AMMS			2014	cost level	
monid	receptor_stid	receptor_state	receptor_county	f_pm25_d_DV	f_pm25_max_DV
420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972
261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628
10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689
180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076

180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823
180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207
420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656
390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775
360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497

390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237
540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967
391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936
421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689
390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227

390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557
211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864
172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173
191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425
470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915

261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421
171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528
360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175
420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273
170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191

390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449
340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878
560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172
360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755
132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526

180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269
390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807
90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923
211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909
390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505

180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438
340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315
470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039
190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552
170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299

130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426
482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398
11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086
280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537
50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412

281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123
50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677
11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975
480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419
250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201

516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933
220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984
370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426
191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321
400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563

483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772
471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235
290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645
211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995
371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988

120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673
270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755
450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814
230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562
271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813

250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487
371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605
551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662
201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965
311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291

220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065
80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961
330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988
270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257
360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519

120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755
121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935
461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935
270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401
120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117

80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342
120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586
460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165
420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972
261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628

10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689
180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076
180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823
180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207
420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656

390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775
360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497
390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237
540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967
391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936

421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689
390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227
390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557
211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864
172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173

191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425
470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915
261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421
171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528
360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175

420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273
170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191
390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449
340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878
560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172

360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755
132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526
180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269
390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807
90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923

211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909
390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505
180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438
340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315
470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039

190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552
170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299
130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426
482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398
11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086

280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537
50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412
281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123
50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677
11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975

480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419
250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201
516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933
220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984
370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426

191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321
400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563
483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772
471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235
290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645

211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995
371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988
120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673
270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755
450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814

230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562
271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813
250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487
371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605
551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662

201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965
311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291
220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065
80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961
330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988

270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257
360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519
120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755
121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935
461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935

270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401
120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117
80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342
120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586
460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165
420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972

261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628
10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689
180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076
180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823
180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207

420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656
390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775
360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497
390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237
540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967

391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936
421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689
390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227
390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557
211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864

172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173
191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425
470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915
261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421
171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528

360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175
420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273
170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191
390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449
340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878

560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172
360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755
132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526
180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269
390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807

90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923
211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909
390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505
180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438
340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315

470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039
190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552
170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299
130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426
482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398

11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086
280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537
50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412
281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123
50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677

11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975
480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419
250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201
516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933
220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984

370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426
191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321
400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563
483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772
471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235

290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645
211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995
371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988
120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673
270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755

450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814
230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562
271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813
250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487
371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605

551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662
201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965
311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291
220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065
80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961

330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988
270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257
360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519
120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755
121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935

461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935
270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401
120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117
80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342
120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586

460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165
420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972
261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628
10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689

180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076
180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823
180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207
420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656
390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775

360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497
390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237
540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967
391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936
421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689

390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227
390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557
211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864
172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173
191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425

470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915
261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421
171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528
360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175
420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273

170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191
390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449
340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878
560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172
360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755

132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526
180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269
390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807
90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923
211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909

390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505
180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438
340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315
470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039
190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552

170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299
130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426
482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398
11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086
280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537

50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412
281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123
50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677
11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975
480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419

250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201
516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933
220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984
370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426
191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321

400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563
483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772
471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235
290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645
211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995

371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988
120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673
270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755
450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814
230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562

271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813
250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487
371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605
551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662
201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965

311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291
220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065
80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961
330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988
270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257

360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519
120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755
121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935
461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935
270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401

120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117
80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342
120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586
460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165

cost level	2300 CT
base level	base
year	2014

adjusted sulfa	total 2012 ba	calibration	**RRF**	Quarter
9.580	13.581	0.59805	0.70543	1
8.376	9.608	0.38070	0.87181	1
9.315	11.550	0.39266	0.80647	1
4.435	6.528	0.69040	0.67937	1
8.096	9.260	0.37764	0.87431	1
7.625	9.493	0.39317	0.80325	1
6.379	7.881	0.44381	0.80944	1
10.503	15.099	0.60411	0.69563	1
7.413	8.474	0.36033	0.87480	1
6.399	8.217	0.58815	0.77873	1
7.965	10.656	0.63838	0.74750	1
6.565	7.541	0.44021	0.87055	1
6.790	10.040	0.68201	0.67633	1
6.886	9.025	0.58516	0.76299	1
8.975	9.588	0.15293	0.93612	1
6.678	8.831	0.53777	0.75616	1
6.953	9.196	0.53801	0.75604	1
6.821	9.021	0.53788	0.75610	1
6.390	8.912	0.62664	0.71703	1
7.231	8.274	0.37946	0.87403	1
7.922	10.401	0.58504	0.76166	1
7.284	8.676	0.52686	0.83950	1
4.825	6.777	0.72086	0.71201	1
6.884	9.254	0.51007	0.74392	1
8.412	11.138	0.63786	0.75526	1
6.493	7.986	0.46928	0.81313	1
7.041	10.303	0.68920	0.68335	1
7.221	9.070	0.49951	0.79622	1
7.358	8.821	0.45048	0.83409	1
5.873	7.179	0.42772	0.81810	1
8.721	10.125	0.27639	0.86136	1
6.954	8.898	0.49227	0.78153	1
7.440	9.263	0.39295	0.80318	1
7.909	9.845	0.39284	0.80342	1
7.694	11.060	0.60409	0.69564	1
7.699	9.107	0.40298	0.84535	1
8.602	12.090	0.57500	0.71150	1
6.247	9.614	0.74811	0.64971	1
7.327	9.593	0.51270	0.76377	1
4.082	5.837	0.62927	0.69931	1

8.039	10.630	0.53769	0.75619	1
6.458	8.110	0.50315	0.79625	1
8.095	9.171	0.34304	0.88265	1
7.375	8.960	0.37908	0.82310	1
7.390	9.767	0.59629	0.75663	1
6.493	8.586	0.53778	0.75615	1
7.207	10.702	0.69365	0.67349	1
7.233	9.908	0.56675	0.72998	1
8.751	10.352	0.39499	0.84527	1
4.046	4.708	0.45010	0.85931	1
2.660	3.520	0.51349	0.75568	1
6.916	9.206	0.51013	0.75127	1
6.687	7.871	0.33362	0.84963	1
7.014	9.180	0.59634	0.76413	1
8.677	12.531	0.60415	0.69240	1
8.297	10.338	0.39283	0.80263	1
6.078	8.530	0.57526	0.71254	1
8.226	10.884	0.60516	0.75581	1
11.507	13.496	0.36177	0.85263	1
7.703	9.970	0.57776	0.77263	1
6.315	7.483	0.44962	0.84390	1
7.805	11.258	0.62931	0.69331	1
8.015	9.008	0.22481	0.88984	1
6.038	8.141	0.51018	0.74167	1
8.442	9.632	0.46120	0.87649	1
6.858	7.936	0.43634	0.86417	1
6.474	8.874	0.54936	0.72954	1
7.910	10.200	0.44979	0.77546	1
9.299	13.067	0.59576	0.71168	1
4.377	5.094	0.45032	0.85925	1
8.698	13.633	0.70600	0.63804	1
8.019	10.739	0.51519	0.74676	1
7.172	12.657	0.82617	0.56665	1
7.223	11.066	0.72727	0.65271	1
6.372	8.064	0.58899	0.79021	1
5.809	7.146	0.44088	0.81283	1
8.891	10.218	0.46109	0.87012	1
7.014	8.194	0.40923	0.85596	1
7.688	8.806	0.37691	0.87310	1
7.898	8.931	0.31972	0.88427	1
6.794	8.479	0.48952	0.80129	1
8.037	9.427	0.36467	0.85255	1
6.677	9.581	0.64671	0.69695	1
6.325	8.895	0.57532	0.71104	1

8.298	10.644	0.42260	0.77960	1
6.779	8.627	0.50500	0.78577	1
5.872	7.148	0.51802	0.82155	1
7.833	11.342	0.62162	0.69065	1
6.705	8.867	0.56708	0.75622	1
6.604	8.710	0.66092	0.75822	1
5.622	7.444	0.61439	0.75516	1
4.786	6.759	0.59826	0.70805	1
4.310	6.288	0.65236	0.68548	1
7.568	9.451	0.42059	0.80077	1
6.412	8.913	0.54124	0.71940	1
6.674	8.734	0.58417	0.76412	1
6.853	8.394	0.59874	0.81640	1
6.854	8.352	0.41433	0.82067	1
8.232	9.460	0.46083	0.87019	1
7.786	10.237	0.63529	0.76057	1
6.477	8.106	0.45216	0.79897	1
7.388	10.083	0.60554	0.73271	1
6.290	9.277	0.65172	0.67807	1
5.236	7.803	0.69746	0.67104	1
6.849	8.409	0.56764	0.81445	1
2.683	3.546	0.51175	0.75660	1
6.573	9.003	0.54893	0.73009	1
9.115	12.467	0.54105	0.73108	1
6.635	9.422	0.59303	0.70426	1
7.121	9.775	0.60441	0.72847	1
5.868	9.448	0.77361	0.62102	1
7.744	10.248	0.60424	0.75568	1
7.560	12.747	0.78895	0.59310	1
6.584	7.752	0.44644	0.84940	1
7.698	12.558	0.75427	0.61296	1
8.617	12.445	0.60412	0.69241	1
6.392	9.978	0.73803	0.64063	1
5.387	6.328	0.39558	0.85118	1
5.798	8.677	0.66493	0.66823	1
7.887	12.366	0.70318	0.63781	1
8.266	9.700	0.36617	0.85210	1
7.070	9.305	0.63719	0.75984	1
3.618	4.805	0.53605	0.75301	1
6.617	8.458	0.56988	0.78240	1
8.271	11.635	0.71049	0.71090	1
7.657	9.555	0.56424	0.80137	1
8.100	12.358	0.68753	0.65546	1
6.349	7.637	0.38586	0.83137	1

6.660	8.982	0.51057	0.74148	1
7.372	8.656	0.44707	0.85173	1
7.260	8.815	0.53296	0.82362	1
7.496	11.970	0.72545	0.62621	1
8.816	10.728	0.54623	0.82178	1
8.075	9.620	0.39340	0.83932	1
7.954	9.136	0.46178	0.87058	1
8.241	9.325	0.23033	0.88375	1
6.792	8.178	0.49719	0.83050	1
7.321	9.314	0.57265	0.78603	1
6.944	12.048	0.79444	0.57632	1
5.599	6.453	0.46814	0.86772	1
6.893	8.496	0.56616	0.81128	1
7.036	8.592	0.46902	0.81892	1
7.600	11.096	0.73458	0.68499	1
7.552	10.567	0.65419	0.71469	1
8.810	10.668	0.37600	0.82586	1
1.711	1.657	-0.65887	1.03265	1
6.276	7.618	0.49464	0.82389	1
7.217	8.804	0.43367	0.81971	1
6.600	9.772	0.73893	0.67536	1
6.858	8.332	0.53880	0.82310	1
8.437	12.510	0.66581	0.67444	1
6.054	10.322	0.81592	0.58653	1
7.693	9.427	0.45767	0.81607	1
6.799	11.501	0.79354	0.59117	1
5.355	6.390	0.44493	0.83800	1
8.035	12.457	0.72413	0.64499	1
6.148	9.946	0.75869	0.61818	1
8.086	12.849	0.70507	0.62935	1
4.827	7.176	0.67912	0.67258	1
5.340	6.675	0.70213	0.80006	1
6.021	7.306	0.47114	0.82413	1
7.510	10.450	0.68489	0.71865	1
8.062	12.919	0.78648	0.62407	1
8.298	10.271	0.43207	0.80797	1
7.558	8.524	0.22773	0.88672	1
7.029	8.632	0.61384	0.81433	1
7.078	9.025	0.44075	0.78431	1
5.325	6.157	0.27581	0.86487	1
6.912	8.579	0.56919	0.80568	1
7.338	9.581	0.65669	0.76588	1
6.334	9.139	0.62720	0.69304	1
6.646	8.229	0.62392	0.80765	1

6.412	8.095	0.50505	0.79211	1
7.249	9.492	0.52885	0.76375	1
7.888	12.804	0.72299	0.61607	1
6.842	8.983	0.57969	0.76167	1
7.008	10.635	0.75560	0.65895	1
5.651	7.715	0.55841	0.73246	1
6.600	8.716	0.66336	0.75721	1
5.909	7.640	0.57567	0.77345	1
4.239	5.149	0.66169	0.82335	1
6.414	10.917	0.79994	0.58755	1
7.944	10.364	0.64428	0.76646	1
6.546	7.271	0.31589	0.90030	1
6.606	10.296	0.73799	0.64161	1
8.317	10.685	0.42188	0.77834	1
6.796	9.156	0.62238	0.74223	1
8.530	10.083	0.40842	0.84592	1
7.681	12.227	0.72675	0.62820	1
7.138	8.727	0.60875	0.81798	1
4.043	5.034	0.58033	0.80306	1
6.323	10.750	0.75949	0.58817	1
7.129	9.831	0.73741	0.72513	1
7.430	9.272	0.56441	0.80131	1
9.720	12.283	0.55756	0.79138	1
9.216	11.630	0.54508	0.79240	1
7.918	11.033	0.70394	0.71771	1
6.979	9.717	0.68601	0.71821	1
6.343	9.260	0.66657	0.68496	1
4.760	6.928	0.72637	0.68718	1
7.105	8.871	0.48341	0.80092	1
5.381	7.053	0.59668	0.76286	1
10.612	11.282	0.15013	0.94062	1
5.877	7.023	0.44571	0.83680	1
5.367	6.670	0.67787	0.80470	1
6.444	9.144	0.61696	0.70471	1
6.998	8.808	0.49553	0.79458	1
3.959	5.211	0.54961	0.75969	1
8.253	13.440	0.75202	0.61403	1
8.323	10.676	0.53169	0.77961	1
5.974	7.463	0.44553	0.80049	1
6.103	6.858	0.40538	0.88987	1
7.103	10.010	0.60832	0.70960	1
8.534	10.192	0.50901	0.83727	1
7.482	8.594	0.37520	0.87068	1
5.069	7.259	0.72857	0.69831	1

5.827	8.496	0.63450	0.68588	1
7.047	8.752	0.48777	0.80518	1
7.333	8.690	0.42776	0.84380	1
6.948	8.289	0.42849	0.83828	1
6.578	9.531	0.65523	0.69021	1
6.962	8.147	0.44962	0.85457	1
7.330	11.959	0.78999	0.61292	1
8.843	15.361	0.82359	0.57568	1
2.628	2.642	0.48679	0.99469	1
6.761	9.430	0.72584	0.71697	1
7.659	9.969	0.63827	0.76830	1
6.950	8.637	0.59422	0.80461	1
7.372	10.017	0.67709	0.73597	1
4.870	7.209	0.75919	0.67555	1
8.279	9.356	0.22832	0.88489	1
6.231	7.618	0.40949	0.81793	1
6.813	10.308	0.70159	0.66092	1
6.709	9.685	0.73126	0.69270	1
8.029	9.229	0.26863	0.86991	1
8.875	12.549	0.77364	0.70724	1
9.002	10.942	0.52129	0.82269	1
8.584	10.252	0.47274	0.83737	1
6.334	7.931	0.59957	0.79870	1
7.995	11.337	0.85002	0.70519	1
8.612	12.675	0.69185	0.67950	1
6.638	7.978	0.44241	0.83197	1
6.289	7.991	0.61327	0.78706	1
6.974	9.156	0.66924	0.76173	1
9.241	10.964	0.44320	0.84282	1
6.613	8.310	0.48235	0.79576	1
6.130	8.137	0.56385	0.75336	1
8.224	9.864	0.43848	0.83378	1
5.980	8.653	0.68179	0.69102	1
4.907	7.395	0.74861	0.66352	1
6.380	7.452	0.48560	0.85625	1
5.887	7.522	0.58611	0.78255	1
8.899	11.917	0.66988	0.74672	1
9.459	15.234	0.74275	0.62092	1
7.800	9.446	0.38350	0.82570	1
5.694	7.074	0.70960	0.80496	1
7.105	8.797	0.59825	0.80768	1
7.736	9.967	0.60781	0.77616	1
5.173	6.393	0.58167	0.80908	1
7.872	12.382	0.74314	0.63574	1

6.795	8.705	0.49997	0.78056	1
3.341	4.668	0.61507	0.71572	1
5.955	7.052	0.42521	0.84440	1
3.767	5.074	0.55319	0.74239	1
5.212	6.107	0.61866	0.85336	1
7.038	8.567	0.48744	0.82153	1
7.522	9.481	0.53006	0.79331	1
5.897	8.051	0.72378	0.73255	1
6.772	8.386	0.69702	0.80759	1
5.122	7.476	0.69734	0.68521	1
5.642	7.000	0.66900	0.80607	1
6.485	11.155	0.80007	0.58131	1
7.597	12.302	0.82887	0.61753	1
8.080	9.881	0.48564	0.81768	1
5.478	7.972	0.76990	0.68717	1
6.072	7.685	0.44963	0.79013	1
8.695	10.558	0.53702	0.82362	1
8.326	10.624	0.60127	0.78367	1
8.103	10.692	0.66103	0.75790	1
7.429	9.307	0.55329	0.79819	1
6.877	10.715	0.71460	0.64178	1
4.445	6.050	0.69786	0.73484	1
8.379	10.883	0.59334	0.76996	1
4.891	5.735	0.68861	0.85291	1
5.565	8.887	0.77103	0.62623	1
7.071	8.324	0.39776	0.84950	1
6.722	10.675	0.75062	0.62964	1
7.147	9.253	0.54899	0.77242	1
6.120	7.805	0.47124	0.78413	1
6.222	7.616	0.54003	0.81696	1
6.137	10.419	0.80508	0.58898	1
5.382	8.039	0.66747	0.66956	1
7.617	12.258	0.73655	0.62138	1
7.119	11.911	0.80497	0.59766	1
6.217	8.638	0.55249	0.71974	1
7.419	11.360	0.70113	0.65302	1
6.360	10.409	0.75846	0.61098	1
9.572	10.748	0.30289	0.89063	1
8.288	12.434	0.82907	0.66651	1
6.319	7.893	0.68325	0.80062	1
7.356	9.218	0.51935	0.79793	1
6.646	8.355	0.45356	0.79547	1
5.592	6.810	0.67299	0.82115	1
5.166	6.419	0.49132	0.80481	1

7.833	9.694	0.43193	0.80803	1
5.959	6.973	0.44961	0.85457	1
5.777	7.141	0.69908	0.80901	1
6.401	7.983	0.57877	0.80185	1
5.713	7.255	0.52515	0.78742	1
8.151	10.406	0.60220	0.78327	1
7.643	12.304	0.83236	0.62119	1
6.568	7.701	0.39538	0.85293	1
6.558	7.848	0.41980	0.83561	1
5.130	6.015	0.68847	0.85295	1
3.938	5.670	0.81611	0.69453	1
7.551	12.158	0.78819	0.62103	1
6.251	10.423	0.75172	0.59975	1
5.059	8.299	0.74590	0.60951	1
6.432	7.755	0.35135	0.82946	1
4.505	5.956	0.59762	0.75635	1
8.216	9.903	0.47361	0.82965	1
1.271	1.278	0.46624	0.99470	1
3.396	4.121	0.68764	0.82404	1
6.478	7.738	0.42210	0.83719	1
5.564	6.794	0.50188	0.81897	1
7.199	11.852	0.80811	0.60739	1
6.391	7.902	0.60940	0.80885	1
7.887	9.352	0.49008	0.84333	1
4.038	4.717	0.47060	0.85592	1
4.932	6.796	0.69593	0.72569	1
5.352	6.121	0.45233	0.87442	1
6.090	8.981	0.69404	0.67809	1
5.651	8.467	0.66731	0.66749	1
4.360	6.306	0.80550	0.69139	1
7.463	9.051	0.62799	0.82452	1
4.932	7.196	0.64561	0.68534	1
8.735	10.795	0.57609	0.80917	1
6.674	8.604	0.48638	0.77562	1
7.460	9.591	0.53129	0.77786	1
5.977	9.207	0.75823	0.64918	1
7.153	8.767	0.53106	0.81581	1
6.561	7.805	0.44964	0.84061	1
5.680	7.276	0.71309	0.78066	1
7.317	9.233	0.58626	0.79248	1
5.909	8.950	0.67125	0.66024	1
7.086	8.609	0.53881	0.82309	1
6.612	8.166	0.58221	0.80967	1
8.766	10.858	0.54890	0.80733	1

6.348	7.480	0.42119	0.84878	1
3.195	3.975	0.52626	0.80384	1
5.829	6.788	0.41857	0.85877	1
6.919	9.845	1.51337	0.70276	1
5.794	8.272	0.75409	0.70048	1
7.451	9.484	0.60060	0.78563	1
6.966	8.335	0.43678	0.83578	1
5.749	7.082	0.53886	0.81177	1
5.386	7.484	0.72174	0.71971	1
7.035	8.851	0.49766	0.79481	1
5.959	9.286	0.82215	0.64179	1
8.228	11.608	0.56324	0.70879	1
6.618	10.436	0.76037	0.63413	1
5.517	7.160	0.58426	0.77057	1
6.486	9.398	0.65002	0.69018	1
7.079	10.010	0.81484	0.70716	1
4.689	6.318	0.78490	0.74211	1
5.800	7.250	0.43952	0.79994	1
6.491	8.128	0.43795	0.79868	1
5.529	6.953	0.49412	0.79522	1
5.900	6.999	0.46717	0.84298	1
5.914	8.911	0.80328	0.66370	1
5.080	6.286	0.67640	0.80816	1
5.495	6.869	0.70883	0.79998	1
6.387	7.697	0.49388	0.82980	1
6.420	7.690	0.62887	0.83480	1
6.241	10.106	0.77515	0.61755	1
4.972	6.290	0.51105	0.79047	1
7.351	10.963	0.68387	0.67055	1
5.803	6.639	0.32975	0.87406	1
5.823	7.319	0.60887	0.79564	1
4.722	6.002	0.58041	0.78673	1
5.626	7.040	0.83598	0.79917	1
5.743	7.589	0.64404	0.75677	1
6.651	10.040	0.80661	0.66247	1
5.976	7.432	0.66947	0.80417	1
5.232	7.039	0.65595	0.74322	1
5.420	6.163	0.41766	0.87953	1
6.823	10.779	0.80697	0.63304	1
4.062	4.683	0.64577	0.86726	1
5.741	9.135	0.72795	0.62841	1
9.211	10.856	0.42636	0.84843	1
5.501	7.381	0.76355	0.74533	1
5.917	7.602	0.64471	0.77834	1

9.862	12.176	0.63476	0.80991	1
6.488	10.250	0.78711	0.63299	1
5.036	7.455	0.72342	0.67558	1
9.735	12.770	0.79761	0.76237	1
6.212	8.473	0.73394	0.73314	1
5.763	7.197	0.60053	0.80083	1
6.865	8.602	0.65145	0.79804	1
7.467	8.951	0.48653	0.83415	1
5.020	7.634	0.77725	0.65753	1
4.626	4.975	0.53929	0.92987	1
4.463	6.266	0.71244	0.71222	1
5.513	7.632	0.73652	0.72243	1
5.897	8.946	0.89064	0.65916	1
7.184	9.371	0.67692	0.76662	1
6.786	8.746	0.70418	0.77587	1
5.659	6.754	0.55484	0.83793	1
5.023	5.895	0.52072	0.85212	1
7.124	9.982	0.80546	0.71369	1
7.275	11.558	0.72796	0.62944	1
7.298	8.594	0.38075	0.84912	1
4.093	5.042	0.73395	0.81186	1
5.758	6.923	0.54169	0.83172	1
7.384	11.239	0.73454	0.65698	1
8.421	10.435	0.55802	0.80700	1
4.979	6.208	0.66409	0.80209	1
5.715	8.721	0.75298	0.65537	1
5.858	7.874	0.77722	0.74397	1
8.677	10.971	0.68117	0.79094	1
6.020	7.691	0.56936	0.78275	1
9.546	11.625	0.91895	0.82118	1
7.672	10.472	0.70450	0.73263	1
4.884	6.044	0.67968	0.80805	1
8.225	10.297	0.65318	0.79876	1
5.443	7.493	0.67896	0.72639	1
6.624	7.099	0.60613	0.93304	1
4.927	5.873	0.57820	0.83881	1
7.502	8.978	0.42000	0.83554	1
6.052	9.869	0.76268	0.61329	1
7.970	10.167	0.64891	0.78396	1
6.185	8.727	0.67348	0.70871	1
5.658	6.858	0.74836	0.82491	1
5.805	7.872	0.80782	0.73747	1
8.139	10.359	0.47125	0.78570	1
7.058	8.371	0.41280	0.84315	1

5.642	7.599	0.75857	0.74252	1
8.140	10.537	0.68989	0.77254	1
6.475	7.393	0.44290	0.87572	1
9.332	8.889	0.53402	1.04978	1
5.315	6.520	0.62202	0.81514	1
6.052	7.891	0.70277	0.76690	1
6.147	8.008	0.56409	0.76764	1
7.819	9.690	0.57637	0.80689	1
6.094	7.720	0.62987	0.78943	1
6.217	9.523	0.70222	0.65279	1
6.609	7.905	0.61908	0.83613	1
3.871	4.507	0.47040	0.85881	1
6.742	9.844	0.74765	0.68493	1
6.906	9.865	0.76279	0.70000	1
4.729	5.711	0.56007	0.82806	1
3.743	3.975	0.36444	0.94149	1
7.750	9.517	0.64994	0.81434	1
9.905	9.434	0.53401	1.04999	1
8.052	9.974	0.61092	0.80729	1
6.563	8.432	0.66923	0.77840	1
4.323	4.776	0.62210	0.90510	1
8.243	10.170	0.66436	0.81051	1
3.073	3.327	0.46689	0.92369	1
5.453	7.446	0.75239	0.73240	1
6.768	8.022	0.36699	0.84360	1
7.190	8.085	0.69925	0.88929	1
4.006	4.760	0.51303	0.84170	1
5.286	7.935	0.68585	0.66614	1
4.181	5.234	0.58087	0.79892	1
6.998	8.440	0.47103	0.82914	1
11.038	13.434	0.59122	0.82169	1
6.035	7.361	0.67672	0.81978	1
6.207	9.871	0.75638	0.62883	1
3.082	3.413	0.45032	0.90307	1
6.544	8.343	0.67451	0.78444	1
5.622	8.408	0.76122	0.66858	1
4.162	4.476	0.53926	0.92987	1
6.165	7.571	0.51676	0.81420	1
6.621	7.184	0.69191	0.92164	1
9.258	7.959	1.54200	1.16317	1
5.263	6.010	0.48536	0.87574	1
8.897	10.396	0.86564	0.85583	1
6.832	11.113	0.74751	0.61472	1
5.716	8.480	0.72064	0.67402	1

7.268	9.393	0.71622	0.77380	1
8.833	9.120	0.60495	0.96852	1
4.094	4.900	0.63052	0.83545	1
5.443	8.042	0.70964	0.67685	1
4.743	5.808	0.68209	0.81665	1
5.927	7.752	0.59837	0.76450	1
6.973	8.676	0.57392	0.80368	1
6.587	7.364	0.82332	0.89448	1
5.635	6.759	0.56721	0.83371	1
6.594	8.995	0.69165	0.73301	1
7.603	8.211	0.88963	0.92590	1
6.991	9.960	0.78430	0.70188	1
8.024	9.800	0.58739	0.81881	1
7.219	9.364	0.72095	0.77092	1
6.461	7.614	0.38075	0.84864	1
6.477	10.542	0.77929	0.61441	1
6.470	8.555	0.70841	0.75623	1
7.583	9.490	0.62844	0.79905	1
7.568	10.615	0.73699	0.71299	1
7.215	8.962	0.54939	0.80505	1
6.037	8.625	0.74202	0.70001	1
6.023	7.480	0.73338	0.80510	1
5.350	6.776	0.57929	0.78958	1
5.885	6.672	0.80922	0.88204	1
4.962	6.310	0.67892	0.78644	1
6.351	8.372	0.80451	0.75866	1
5.720	9.417	0.78193	0.60736	1
4.568	5.420	0.85847	0.84273	1
6.700	8.483	0.92990	0.78985	1
5.193	7.233	0.66298	0.71787	1
6.849	7.956	0.41638	0.86083	1
4.724	5.487	0.48016	0.86105	1
4.948	8.134	0.78542	0.60831	1
6.482	7.396	0.35800	0.87649	1
8.523	11.088	0.71111	0.76866	1
5.554	7.308	0.65092	0.75998	1
8.258	10.047	0.56768	0.82187	1
5.920	6.106	0.60612	0.96950	1
6.981	9.150	0.73017	0.76296	1
3.651	4.358	0.51788	0.83770	1
5.915	7.701	0.58968	0.76810	1
5.449	6.068	0.43037	0.89810	1
3.436	3.923	0.53898	0.87582	1
6.839	10.036	0.73043	0.68138	1

5.023	6.694	0.79117	0.75042	1
6.611	9.255	0.72191	0.71433	1
8.341	10.633	0.77483	0.78444	1
3.652	4.082	0.49244	0.89455	1
3.647	4.037	0.45696	0.90343	1
6.205	8.026	0.71657	0.77310	1
7.799	9.579	0.59132	0.81422	1
7.110	8.861	0.56104	0.80242	1
5.066	6.471	0.70696	0.78289	1
5.510	6.800	0.71477	0.81020	1
6.826	7.814	0.69191	0.87355	1
4.967	6.148	0.58505	0.80782	1
6.810	9.160	0.74926	0.74346	1
8.473	10.198	0.57143	0.83084	1
8.673	10.637	0.64021	0.81536	1
4.382	4.696	0.85849	0.93319	1
3.710	4.275	0.64321	0.86789	1
7.482	9.472	0.63222	0.78991	1
4.986	6.195	0.67832	0.80488	1
7.230	8.838	0.72555	0.81809	1
7.915	9.902	0.65455	0.79940	1
6.770	7.081	0.60611	0.95604	1
4.762	6.017	0.60866	0.79155	1
4.378	4.885	0.50921	0.89613	1
5.350	8.095	0.76869	0.66083	1
6.765	8.351	0.70070	0.81011	1
4.618	5.129	0.62581	0.90027	1
5.354	5.602	0.60615	0.95576	1
4.529	4.486	-25.30229	1.00960	1
3.915	4.699	0.80343	0.83319	1
6.441	9.009	0.72254	0.71500	1
6.909	9.783	0.73703	0.70629	1
4.473	5.265	0.51616	0.84964	1
6.798	9.362	0.75863	0.72608	1
2.896	3.205	0.44759	0.90368	1
7.149	9.787	0.64324	0.73041	1
5.466	7.685	0.73701	0.71130	1
6.963	8.917	0.63131	0.78084	1
6.556	6.786	0.21173	0.96614	1
8.394	10.197	0.72034	0.82311	1
4.618	5.776	0.57898	0.79961	1
5.068	5.630	0.70541	0.90023	1
6.702	7.418	0.69909	0.90352	1
4.362	4.321	-25.32769	1.00960	1

5.872	6.624	0.64231	0.88649	1
8.013	9.010	0.69910	0.88931	1
3.957	4.340	0.45466	0.91188	1
7.793	10.271	0.71606	0.75876	1
5.124	5.760	0.77210	0.88957	1
3.603	4.048	0.47990	0.89002	1
4.191	4.620	0.45848	0.90723	1
4.771	5.964	0.63437	0.79988	1
4.668	5.654	0.60808	0.82556	1
5.165	5.996	0.51229	0.86138	1
4.937	6.019	0.58585	0.82012	1
7.358	8.281	0.69918	0.88856	1
4.929	6.175	0.70885	0.79813	1
3.969	4.364	0.49297	0.90958	1
6.318	8.373	0.77507	0.75459	1
4.403	5.494	0.61126	0.80134	1
6.268	8.490	0.82338	0.73824	1
5.114	6.012	0.65555	0.85067	1
3.500	3.893	0.46590	0.89905	1
4.269	4.469	0.36443	0.95527	1
5.163	5.827	0.68258	0.88606	1
6.728	10.179	0.78031	0.66096	1
4.248	5.193	0.74629	0.81797	1
6.211	7.549	0.65235	0.82278	1
6.479	7.433	0.53646	0.87172	1
7.636	9.309	0.60685	0.82029	1
4.947	5.889	0.62884	0.84010	1
3.135	3.210	0.72414	0.97659	1
3.692	4.046	0.47212	0.91260	1
9.763	10.200	0.34508	0.95713	1
7.930	9.411	0.69874	0.84265	1
4.691	5.909	0.69573	0.79389	1
6.888	9.606	0.72962	0.71701	1
7.871	9.820	0.72035	0.80159	1
4.071	4.765	0.58372	0.85437	1
4.952	6.048	0.62894	0.81871	1
7.237	8.655	0.71751	0.83622	1
5.227	7.099	0.67613	0.73636	1
4.509	5.837	0.57626	0.77259	1
4.554	4.880	0.54964	0.93315	1
4.011	3.973	-25.28237	1.00960	1
9.258	8.829	0.55977	1.04860	1
3.655	4.152	0.51641	0.88036	1
4.064	4.444	0.45629	0.91443	1

7.041	10.101	0.82922	0.69702	1
6.019	6.966	0.65663	0.86400	1
4.853	5.660	0.61882	0.85752	1
0.894	0.896	1.87823	0.99794	1
6.543	7.295	0.47735	0.89693	1
1.122	1.443	5.00886	0.77784	1
8.072	9.579	0.69875	0.84263	1
5.396	8.729	0.79642	0.61823	1
5.271	6.038	0.71229	0.87283	1
6.006	7.743	0.71335	0.77572	1
4.557	5.382	0.75257	0.84659	1
3.867	4.676	0.66956	0.82693	1
8.135	9.860	0.60207	0.82501	1
3.311	3.636	0.52371	0.91044	1
6.795	8.420	0.66733	0.80697	1
7.539	7.041	2.00524	1.07074	1
5.043	5.746	0.62578	0.87759	1
4.695	5.635	0.55486	0.83314	1
2.926	2.884	-33.35396	1.01469	1
4.828	5.881	0.62890	0.82091	1
3.645	3.881	0.82322	0.93926	1
5.147	5.855	0.66242	0.87913	1
5.208	5.906	0.76609	0.88179	1
4.916	6.928	0.65055	0.70967	1
6.536	8.129	0.67302	0.80402	1
4.762	5.737	0.68092	0.83009	1
2.966	3.181	0.51103	0.93253	1
4.169	4.968	0.58550	0.83932	1
8.463	10.109	0.66525	0.83710	1
7.138	8.982	0.70626	0.79474	1
4.192	5.238	0.63667	0.80019	1
2.177	2.648	0.82099	0.82217	1
3.754	4.425	0.62619	0.84834	1
6.233	6.454	0.33298	0.96579	1
4.049	4.919	0.68928	0.82314	1
3.127	3.302	0.62935	0.94704	1
3.455	3.426	-2.40707	1.00853	1
6.322	7.291	0.71539	0.86706	1
7.101	7.209	0.86342	0.98505	1
2.121	2.127	0.15700	0.99726	1
3.903	4.737	0.74449	0.82390	1
7.251	7.898	0.75089	0.91808	1
3.595	3.838	0.54096	0.93682	1
0.814	0.811	-2.07585	1.00259	1

5.842	6.344	0.65400	0.92089	1
3.570	3.558	-0.25785	1.00323	1
1.657	1.650	-0.79855	1.00420	1
5.744	5.821	0.83781	0.98669	1
3.338	3.726	0.51017	0.89585	1
2.658	2.690	0.43638	0.98783	1
7.443	9.124	0.83359	0.81573	1
9.260	9.828	0.81775	0.94225	1
2.756	2.854	0.72238	0.96567	1
6.026	6.664	0.62056	0.90433	1
6.721	6.950	0.62241	0.96704	1
6.912	7.074	0.59113	0.97703	1
6.121	6.147	0.73776	0.99579	1
3.685	4.260	0.76369	0.86497	1
5.055	5.708	0.59740	0.88564	1
6.850	7.122	0.83313	0.96173	1
4.350	4.553	0.55470	0.95526	1
0.847	0.843	-3.35607	1.00444	1
3.697	4.338	0.59943	0.85226	1
1.811	1.800	-1.48670	1.00614	1
4.546	4.975	0.58150	0.91371	1
3.205	3.159	-42.73028	1.01451	1
5.552	5.558	1.01163	0.99904	1
4.783	4.810	0.45763	0.99449	1
3.222	3.204	-0.58821	1.00546	1
4.263	4.480	0.56878	0.95143	1
3.014	3.166	0.57505	0.95178	1
6.840	7.047	0.84848	0.97057	1
3.802	3.832	0.55056	0.99212	1
4.795	4.805	0.53310	0.99793	1
5.133	5.958	0.76316	0.86160	1
2.692	2.799	0.80984	0.96181	1
7.634	7.756	0.61035	0.98427	1
6.129	6.666	0.86606	0.91945	1
6.558	6.674	0.86852	0.98252	1
6.324	6.501	0.83008	0.97268	1
4.675	5.356	0.74497	0.87284	1
4.971	5.533	0.65683	0.89844	1
2.184	2.272	0.65235	0.96112	1
7.228	7.312	0.76407	0.98857	1
7.158	7.392	0.83666	0.96836	1
6.179	6.632	0.85834	0.93164	1
0.835	0.833	-2.43546	1.00298	1
1.883	1.868	-0.63239	1.00773	1

1.776	1.779	0.10610	0.99842	1
2.777	2.876	0.72268	0.96565	1
0.885	0.881	-3.34111	1.00442	1
5.520	6.165	0.79023	0.89530	1
4.189	3.937	-0.91047	1.06420	1
1.335	1.341	0.32142	0.99552	1
5.953	6.298	0.92488	0.94517	1
4.797	5.200	0.74369	0.92246	1
4.163	4.342	0.77566	0.95878	1
1.850	1.781	-0.96619	1.03895	1
3.834	3.918	0.65877	0.97848	1
2.190	2.208	0.38072	0.99171	1
2.559	2.581	0.39057	0.99161	1
5.093	5.264	0.64954	0.96738	1
0.957	0.946	-18.38591	1.01124	1
1.614	1.614	-0.02198	1.00032	1
2.627	2.666	0.63242	0.98565	1
1.958	1.976	0.32068	0.99076	1
0.832	0.825	-14.29945	1.00870	1
2.252	2.274	0.44924	0.99001	1
0.914	0.912	-1.34736	1.00221	1
1.561	1.553	-5.31531	1.00519	1
13.451	24.840	0.777437	0.541482	2
12.962	21.539	0.870035	0.601803	2
13.905	23.149	0.758196	0.600659	2
7.059	13.371	0.915731	0.527909	2
12.783	20.661	0.870207	0.618736	2
10.092	16.700	0.760141	0.604321	2
7.317	12.453	0.822528	0.587583	2
10.935	21.927	0.922792	0.4987	2
11.503	19.449	0.893207	0.59145	2
9.540	14.995	0.776579	0.636207	2
7.982	14.907	0.946662	0.535452	2
13.238	21.721	0.874225	0.609456	2
9.280	18.226	0.921548	0.509172	2
7.036	11.620	0.842434	0.605489	2
9.693	13.792	0.734242	0.702779	2
10.873	20.533	0.816659	0.529565	2
10.332	19.511	0.816658	0.529564	2
9.923	18.739	0.816659	0.529565	2
7.771	15.813	0.924369	0.491398	2
11.417	19.399	0.870131	0.588541	2
7.216	11.916	0.841872	0.60559	2
12.501	17.311	0.814879	0.722107	2

6.241	10.069	0.810984	0.619847	2
9.241	18.521	0.885789	0.498974	2
6.987	13.040	0.947168	0.535798	2
10.036	20.379	0.960771	0.492456	2
9.195	18.138	0.883163	0.506922	2
7.868	12.159	0.834427	0.647105	2
9.691	18.339	0.883808	0.528401	2
7.005	11.005	0.733079	0.636519	2
11.669	17.595	0.655209	0.663224	2
6.538	10.784	0.815669	0.60632	2
10.941	18.251	0.758822	0.599443	2
9.956	16.457	0.758839	0.604956	2
9.300	18.648	0.922776	0.49871	2
10.571	20.985	0.918803	0.503761	2
8.663	17.036	0.854821	0.508502	2
8.603	16.904	0.923867	0.508953	2
9.869	17.890	0.936068	0.551639	2
6.531	12.261	0.871182	0.532643	2
11.648	21.996	0.816655	0.529564	2
6.233	9.540	0.780739	0.653359	2
9.624	17.613	0.886629	0.546434	2
9.740	15.858	0.782757	0.614222	2
6.864	11.314	0.815867	0.606687	2
10.059	18.995	0.816658	0.529565	2
7.736	14.461	0.838834	0.53494	2
8.499	15.860	0.874453	0.535883	2
7.749	11.867	0.730476	0.652945	2
4.574	5.904	0.763163	0.77464	2
9.920	19.505	0.864564	0.508567	2
9.380	19.350	0.885784	0.484722	2
8.113	12.372	0.676266	0.655757	2
7.903	12.341	0.816106	0.640366	2
10.094	20.690	0.922775	0.487869	2
10.494	17.688	0.758776	0.593309	2
9.217	17.680	0.854809	0.521323	2
7.870	14.599	0.912131	0.539065	2
10.332	16.847	0.772754	0.613274	2
11.732	17.317	0.767206	0.677457	2
5.326	9.160	0.947206	0.581418	2
10.246	20.249	0.873452	0.505986	2
10.784	14.641	0.527943	0.736536	2
9.505	19.828	0.8858	0.47934	2
10.021	14.812	0.810386	0.676538	2
6.380	11.294	0.980789	0.564903	2

10.379	20.691	0.849371	0.501612	2
9.746	20.770	0.944346	0.469214	2
9.905	18.847	0.902288	0.525561	2
#DIV/0!	0.000	#DIV/0!	#DIV/0!	2
9.118	17.467	0.874182	0.52202	2
9.966	20.875	0.944169	0.477411	2
8.733	19.037	0.919683	0.458754	2
8.093	16.396	0.935596	0.493611	2
8.689	12.565	0.784415	0.691582	2
6.779	10.609	0.727299	0.639021	2
11.388	17.188	0.810387	0.662518	2
9.248	17.245	0.896338	0.536242	2
9.731	16.171	0.870219	0.60172	2
8.359	12.431	0.804338	0.672485	2
9.500	18.474	0.914158	0.514225	2
9.596	18.748	0.886333	0.51185	2
6.893	13.853	0.92437	0.497557	2
9.501	18.812	0.85481	0.505066	2
9.476	18.620	0.850432	0.508917	2
5.312	8.606	0.784281	0.617199	2
8.949	15.036	0.894951	0.595195	2
11.022	22.558	0.896721	0.488633	2
9.126	18.323	0.876724	0.498097	2
11.316	17.540	0.811688	0.645163	2
9.435	16.371	0.885956	0.576335	2
6.371	11.598	0.777437	0.54932	2
9.778	18.915	0.864671	0.516922	2
8.260	14.866	0.906242	0.555611	2
8.396	17.531	0.889105	0.478949	2
8.509	14.003	0.838245	0.607651	2
10.857	16.054	0.818442	0.676263	2
7.721	14.512	0.91237	0.532071	2
11.959	18.051	0.810419	0.6625	2
7.918	14.945	0.949281	0.529839	2
7.153	11.964	0.867742	0.597881	2
7.352	15.073	0.94015	0.487763	2
8.859	18.045	0.90147	0.490963	2
8.751	16.959	0.875911	0.516021	2
10.171	15.425	0.793559	0.659382	2
10.147	18.937	0.864564	0.535819	2
9.462	18.707	0.849382	0.505823	2
9.495	17.333	0.897553	0.547825	2
9.765	17.365	0.84689	0.562326	2
7.267	14.937	0.940185	0.486511	2

8.554	16.747	0.95195	0.510794	2
9.016	16.493	0.913142	0.546654	2
10.202	22.300	0.93994	0.457491	2
10.151	18.045	0.919275	0.562539	2
9.180	14.320	0.830863	0.641068	2
9.521	19.515	0.922771	0.487869	2
7.772	14.520	0.819269	0.535268	2
7.324	11.887	0.776195	0.616156	2
8.992	17.109	0.882527	0.525579	2
9.882	18.828	0.866806	0.524856	2
10.921	19.234	0.886333	0.567818	2
7.452	14.053	0.94848	0.530274	2
8.354	16.875	0.921157	0.495035	2
8.018	11.724	0.768918	0.683882	2
8.547	16.835	0.999387	0.507677	2
12.180	19.888	0.843334	0.612426	2
9.964	18.806	0.866805	0.529835	2
8.933	13.637	0.695703	0.655072	2
9.478	19.772	0.885774	0.479354	2
9.117	13.971	0.8332	0.652548	2
10.706	16.042	0.769667	0.667363	2
8.777	16.503	0.834779	0.5318	2
9.386	15.080	0.835133	0.622376	2
10.801	20.125	0.899052	0.536667	2
10.871	16.393	0.810383	0.663146	2
11.809	16.404	0.526657	0.719926	2
5.665	10.236	0.893414	0.553469	2
8.761	12.577	0.768715	0.696559	2
10.027	18.667	0.829943	0.53717	2
9.012	12.980	0.923038	0.694276	2
9.631	14.756	0.793518	0.652676	2
9.034	15.814	0.815711	0.571263	2
6.627	13.018	0.977357	0.509052	2
7.321	14.267	0.97596	0.513165	2
12.080	20.422	0.797893	0.59151	2
2.339	2.512	0.945398	0.931193	2
7.353	11.542	0.820342	0.63705	2
7.553	11.991	0.877993	0.629864	2
7.802	13.698	0.830604	0.569589	2
6.473	11.166	0.900942	0.579731	2
8.100	17.074	0.980093	0.474394	2
8.769	18.881	0.908948	0.464413	2
9.933	15.656	0.832442	0.634451	2
9.846	19.224	0.86576	0.512184	2

5.261	10.120	1.019343	0.519839	2
8.512	16.309	0.899832	0.521938	2
8.089	17.078	0.91968	0.473664	2
8.868	16.242	0.846021	0.545969	2
5.194	9.045	0.81108	0.574224	2
6.767	10.245	0.885736	0.660508	2
9.551	18.642	0.93344	0.512319	2
7.815	14.773	0.932814	0.528999	2
4.080	8.283	0.8971	0.49256	2
8.160	13.505	0.795355	0.604214	2
11.602	16.097	0.52741	0.720755	2
9.005	13.849	0.81417	0.650215	2
10.677	18.711	0.871902	0.570619	2
12.870	19.688	0.655369	0.653731	2
10.201	15.829	0.793125	0.644445	2
7.708	13.105	0.833512	0.588143	2
9.153	17.343	0.867684	0.52778	2
9.396	14.020	0.809565	0.670202	2
7.574	13.524	0.882944	0.560074	2
8.526	14.750	0.845122	0.578057	2
9.234	18.633	0.896815	0.495573	2
8.650	15.415	0.927739	0.561141	2
9.693	17.127	0.84389	0.565957	2
10.608	21.741	0.889966	0.487918	2
10.010	15.518	0.811977	0.645025	2
9.104	16.872	0.904777	0.539606	2
8.302	12.218	0.874968	0.679504	2
8.297	19.433	0.9712	0.426925	2
8.464	13.321	0.845977	0.635361	2
7.969	12.842	0.963976	0.620585	2
8.123	14.829	0.819278	0.547773	2
8.694	17.493	0.850434	0.497025	2
6.151	10.127	0.83005	0.607413	2
9.294	14.518	0.758059	0.640212	2
8.663	16.398	0.852563	0.528326	2
9.456	14.447	0.814979	0.654567	2
6.267	8.607	0.766028	0.728157	2
10.279	17.499	0.748566	0.587389	2
7.543	14.211	0.951309	0.530762	2
11.081	18.094	0.843335	0.612425	2
10.724	20.031	0.904821	0.535367	2
10.823	19.752	0.892779	0.547935	2
7.770	14.708	0.960765	0.528312	2
8.204	15.501	0.932352	0.529249	2

8.272	15.463	0.838834	0.53494	2
5.587	10.063	0.911075	0.555207	2
11.418	18.272	0.820242	0.624892	2
7.359	12.077	0.928061	0.609378	2
12.541	15.262	0.378192	0.821712	2
6.738	11.307	0.821943	0.595892	2
7.347	10.825	0.925702	0.678655	2
8.903	18.313	0.895293	0.486135	2
9.018	15.360	0.821079	0.587092	2
11.109	18.864	0.830067	0.588882	2
8.723	13.607	0.830864	0.641069	2
9.882	18.973	0.839397	0.520857	2
5.959	10.090	0.840807	0.59057	2
6.013	9.975	0.923687	0.602807	2
8.515	15.541	0.910651	0.547871	2
10.546	16.277	0.831603	0.64791	2
10.724	17.861	0.896694	0.600399	2
6.088	10.164	0.860881	0.599001	2
8.090	15.073	0.88142	0.536705	2
9.937	18.916	0.950503	0.525358	2
10.738	16.203	0.731771	0.66272	2
9.638	15.007	0.731772	0.64223	2
7.371	15.496	0.932661	0.475707	2
6.957	10.685	0.947197	0.651136	2
5.847	12.029	0.889482	0.486091	2
9.366	20.674	0.918184	0.453033	2
2.573	2.574	-11.2766	0.999552	2
6.691	12.683	0.939839	0.52754	2
7.282	12.235	0.872908	0.595197	2
9.021	13.782	0.821717	0.654514	2
10.301	16.332	0.859075	0.630704	2
8.722	15.407	0.880858	0.566088	2
11.241	15.614	0.526623	0.719943	2
5.004	8.251	0.8326	0.606493	2
6.323	12.146	0.883142	0.520572	2
6.481	12.380	0.96786	0.523492	2
11.631	16.928	0.656059	0.687107	2
7.399	14.369	0.955487	0.514921	2
9.028	14.636	0.84935	0.616874	2
9.056	14.553	0.885507	0.622304	2
8.604	13.297	0.818444	0.64707	2
7.130	13.329	0.958994	0.534907	2
7.254	14.112	0.979007	0.514056	2
5.911	11.414	0.947204	0.517906	2

10.056	14.239	0.780285	0.706228	2
8.117	14.981	0.928563	0.54182	2
9.164	14.668	0.823901	0.62476	2
9.852	16.996	0.893367	0.57967	2
11.037	18.680	0.817795	0.590821	2
9.918	15.914	0.781885	0.623209	2
6.441	11.762	0.925337	0.547605	2
6.231	11.063	0.893931	0.563173	2
5.768	10.104	0.92751	0.570863	2
6.300	10.215	0.887161	0.616768	2
7.675	12.177	0.845972	0.630311	2
8.458	18.814	0.952606	0.449564	2
9.929	15.968	0.75762	0.621821	2
4.946	8.965	1.009099	0.551755	2
9.889	14.757	0.76586	0.670119	2
8.603	13.717	0.769088	0.627184	2
7.835	12.561	0.851385	0.623711	2
8.398	17.252	0.940878	0.486778	2
10.207	18.990	0.834272	0.537493	2
9.003	15.787	0.842048	0.570304	2
6.458	10.591	0.793542	0.609805	2
8.444	17.716	0.919272	0.476603	2
5.823	8.351	0.985805	0.697273	2
10.164	16.152	0.807952	0.629235	2
9.380	17.208	0.841912	0.545096	2
6.205	11.135	0.917273	0.557274	2
8.562	12.751	0.920343	0.671509	2
5.762	10.011	0.846099	0.575573	2
9.761	14.753	0.87848	0.661583	2
7.034	14.244	0.918424	0.493844	2
7.893	16.635	0.916918	0.474462	2
8.552	14.826	0.854768	0.576798	2
5.546	10.182	0.890877	0.544665	2
10.337	17.220	0.794091	0.600309	2
8.824	14.738	0.843787	0.598709	2
8.566	12.842	0.754317	0.667064	2
9.522	14.987	0.845974	0.635365	2
7.633	11.900	0.801048	0.641414	2
9.546	17.971	0.897562	0.531161	2
9.420	14.204	0.860552	0.663207	2
7.962	12.286	0.79399	0.648013	2
7.803	10.859	0.959849	0.718627	2
7.393	13.551	0.887385	0.54559	2
6.641	12.287	0.9311	0.540488	2

7.807	15.285	0.856592	0.510767	2
9.144	17.821	0.860456	0.513096	2
9.285	15.550	0.84518	0.597106	2
9.280	14.655	0.804354	0.633269	2
8.053	16.837	0.924253	0.478278	2
10.718	18.094	0.880901	0.592342	2
7.489	11.682	0.830864	0.641068	2
5.985	12.623	0.903295	0.474107	2
8.536	17.765	0.935542	0.480525	2
7.856	14.141	0.835936	0.555566	2
9.311	17.623	0.866783	0.528355	2
10.319	13.658	0.673584	0.755522	2
7.392	14.773	0.955786	0.500359	2
6.990	10.269	0.956823	0.68069	2
10.183	15.945	0.857353	0.638638	2
8.623	14.199	0.89337	0.607273	2
7.724	11.107	0.878144	0.695423	2
9.492	15.450	0.864162	0.61436	2
7.321	12.117	0.795352	0.604213	2
6.530	10.029	0.947154	0.651143	2
7.905	11.822	0.893586	0.6687	2
8.205	12.724	0.812896	0.644818	2
6.774	12.266	0.948879	0.552278	2
7.508	11.254	0.754285	0.667085	2
8.372	17.716	0.914552	0.472585	2
8.140	13.023	0.776201	0.625042	2
8.955	13.468	0.666884	0.664891	2
9.459	13.163	0.959851	0.718628	2
6.279	11.173	0.926114	0.562031	2
5.226	11.034	0.92366	0.473682	2
8.977	17.979	0.935442	0.499292	2
6.633	12.022	0.8458	0.551704	2
11.003	16.721	0.682683	0.658041	2
5.289	10.468	0.99954	0.505256	2
7.472	12.414	0.885211	0.601906	2
2.266	2.265	-2082.11	1.000662	2
9.539	14.550	0.951279	0.655593	2
8.523	13.635	0.774057	0.625135	2
6.089	10.372	0.826629	0.587061	2
7.466	15.742	0.914846	0.474276	2
6.808	10.508	0.868695	0.647867	2
9.336	14.802	0.847207	0.630707	2
7.071	10.325	0.922914	0.684877	2
5.957	10.330	0.86801	0.576625	2

7.162	10.071	0.947444	0.711147	2
8.376	15.189	0.870094	0.551461	2
11.036	20.079	0.880901	0.549639	2
6.502	11.602	0.925416	0.560399	2
7.052	11.505	0.838438	0.612916	2
7.194	13.123	0.839329	0.548203	2
7.592	12.136	0.867163	0.625528	2
9.620	16.320	0.841746	0.589477	2
8.904	15.204	0.841686	0.585641	2
6.825	12.745	0.912905	0.535523	2
7.265	11.580	0.858182	0.627386	2
6.445	11.249	0.947208	0.572882	2
5.779	9.377	1.015747	0.616226	2
7.944	12.765	0.859928	0.622324	2
10.119	17.599	0.9205	0.57497	2
6.302	10.871	0.900941	0.579731	2
9.870	15.571	0.845368	0.63387	2
8.838	15.114	0.859601	0.584797	2
8.026	13.613	0.839234	0.589579	2
4.398	6.806	0.787707	0.646162	2
6.951	11.938	0.99194	0.582299	2
6.079	8.549	1.055983	0.711036	2
6.671	12.277	0.906413	0.543376	2
8.686	14.315	0.870112	0.606784	2
9.048	14.263	0.738393	0.634371	2
5.116	8.809	0.983106	0.580719	2
5.680	10.072	0.893726	0.563926	2
8.235	15.474	0.940353	0.532169	2
5.383	10.717	0.921528	0.502246	2
7.987	15.705	0.870537	0.508567	2
7.497	14.020	0.907922	0.534747	2
7.161	13.793	0.919448	0.519188	2
7.963	14.117	0.823804	0.564057	2
5.954	11.443	0.949911	0.520366	2
9.673	14.734	0.872427	0.656535	2
5.097	8.659	0.864487	0.588616	2
8.520	14.623	0.901478	0.582621	2
7.557	13.587	0.933277	0.556223	2
10.959	17.295	0.845862	0.63364	2
10.125	15.230	0.826482	0.664847	2
7.990	11.547	0.89122	0.691942	2
6.970	10.626	0.88573	0.655959	2
8.388	13.903	0.802129	0.603331	2
5.476	9.587	0.914248	0.571219	2

7.625	16.101	0.917297	0.473564	2
6.561	11.932	0.931501	0.549908	2
7.557	14.690	0.911831	0.514457	2
6.847	11.681	0.849137	0.586183	2
8.141	13.781	0.843918	0.590771	2
7.184	13.622	0.992467	0.527363	2
8.316	12.804	0.825001	0.649508	2
7.236	12.386	0.909537	0.584234	2
6.324	12.793	0.955904	0.494323	2
7.917	11.879	0.878413	0.66649	2
8.047	13.165	0.854996	0.611267	2
4.955	8.005	0.939113	0.618945	2
7.231	15.337	0.922808	0.471509	2
7.839	12.401	0.919096	0.632108	2
8.335	15.484	0.912316	0.538326	2
7.024	11.789	0.895906	0.595787	2
7.849	11.959	0.806816	0.656292	2
7.722	12.889	0.909532	0.599095	2
5.823	9.751	0.965693	0.59714	2
6.642	14.020	0.935805	0.473756	2
7.020	12.227	0.900062	0.574122	2
5.160	9.572	1.035835	0.539075	2
7.103	11.362	0.901693	0.625178	2
8.550	15.465	0.900863	0.552875	2
9.496	14.449	0.8367	0.657194	2
6.446	11.623	0.918677	0.554612	2
5.623	9.981	0.902476	0.563351	2
8.619	13.056	0.988182	0.660176	2
7.718	11.861	0.865248	0.650718	2
6.113	11.255	0.950508	0.543145	2
5.733	11.598	0.951372	0.494308	2
5.714	9.684	0.970964	0.59004	2
6.486	10.791	0.934548	0.601069	2
5.015	8.705	0.986701	0.576108	2
4.258	6.925	0.941083	0.614828	2
6.203	12.337	0.976086	0.502766	2
9.053	19.559	0.982071	0.462829	2
6.918	10.277	0.783384	0.673168	2
9.547	13.244	0.884436	0.72084	2
6.591	10.335	0.925148	0.637764	2
8.103	13.838	0.827418	0.585558	2
5.953	9.888	0.853288	0.601991	2
4.887	8.047	1.008306	0.607252	2
7.258	12.173	0.864285	0.596262	2

5.454	9.637	1.021442	0.565976	2
10.055	12.985	0.801205	0.774302	2
5.328	9.253	0.915128	0.575857	2
5.401	9.656	1.011521	0.559376	2
7.374	11.289	0.83276	0.653199	2
4.356	7.187	0.991274	0.606099	2
5.393	9.822	0.993124	0.549053	2
8.838	13.588	0.811237	0.650472	2
9.170	10.440	0.838815	0.878346	2
5.155	8.881	0.990337	0.580501	2
7.567	11.380	0.666888	0.664891	2
8.282	12.700	0.795039	0.652109	2
6.572	10.776	0.914974	0.609826	2
6.950	12.001	0.889301	0.579105	2
9.425	13.070	0.92723	0.721079	2
6.546	12.033	0.981484	0.544028	2
10.067	13.796	0.6593	0.729676	2
6.113	11.823	0.952519	0.517097	2
9.131	13.390	0.885213	0.681898	2
8.832	13.717	0.840466	0.643862	2
5.758	10.877	0.995859	0.529349	2
13.449	15.332	0.720193	0.877169	2
5.658	9.541	1.097794	0.593035	2
8.942	13.821	0.81595	0.646973	2
8.555	15.417	0.969562	0.554892	2
7.192	11.889	0.844528	0.604935	2
5.314	7.975	0.84296	0.666312	2
8.643	13.185	0.823753	0.655554	2
5.548	10.281	1.00966	0.539622	2
7.784	11.303	0.922768	0.688646	2
8.314	13.148	0.851063	0.632317	2
6.004	9.158	0.803903	0.655588	2
5.626	8.487	0.978389	0.662818	2
4.409	6.147	0.907417	0.717261	2
9.531	14.053	0.823783	0.678228	2
12.608	14.322	0.720194	0.880322	2
7.741	12.050	0.896805	0.64239	2
8.698	13.481	0.838855	0.645193	2
6.954	8.228	0.830735	0.845182	2
9.476	13.377	0.752459	0.708347	2
2.721	3.374	0.926031	0.806528	2
5.482	9.752	0.905694	0.562128	2
7.762	12.902	0.776604	0.601609	2
8.011	10.246	0.858689	0.781797	2

3.751	5.398	1.052257	0.694808	2
5.371	9.618	0.876097	0.558501	2
7.078	11.834	0.85153	0.598127	2
6.467	11.903	0.935959	0.543307	2
5.698	10.089	0.942021	0.564722	2
7.899	11.069	0.882754	0.713556	2
8.389	14.856	0.887394	0.564725	2
2.906	4.071	0.889893	0.71383	2
4.297	6.445	0.99071	0.666739	2
7.683	12.333	0.855649	0.622974	2
8.335	12.625	0.988186	0.660176	2
7.249	11.941	0.831549	0.607014	2
9.853	11.786	1.010603	0.835982	2
13.139	13.266	0.781796	0.99041	2
5.085	7.474	0.91287	0.680409	2
7.080	8.633	0.852892	0.820155	2
8.168	15.313	0.832188	0.533442	2
5.948	10.472	0.881666	0.567975	2
6.294	9.334	0.951227	0.674323	2
7.679	12.554	0.833098	0.611652	2
4.783	6.862	0.970571	0.697126	2
6.841	11.530	0.825003	0.593356	2
5.854	8.570	0.926047	0.683167	2
6.321	12.265	1.02455	0.515403	2
6.043	10.904	0.970713	0.554257	2
8.492	11.297	1.061721	0.751688	2
6.273	10.077	0.956728	0.622554	2
6.278	10.765	0.836244	0.583212	2
7.790	8.405	1.0957	0.926795	2
7.064	11.537	0.853562	0.612282	2
8.880	14.096	0.888371	0.629972	2
6.637	9.593	0.789943	0.691828	2
6.887	10.254	0.783381	0.671696	2
8.034	11.796	0.812026	0.68112	2
4.750	7.718	0.941559	0.615518	2
8.579	13.867	0.863614	0.618679	2
9.067	13.162	0.753391	0.688888	2
7.536	12.655	0.874532	0.595465	2
8.676	12.826	0.890099	0.676422	2
4.727	7.450	0.937326	0.634587	2
4.447	8.161	0.993489	0.544975	2
8.818	10.951	0.800097	0.805192	2
9.083	14.733	0.852234	0.616469	2
6.384	10.247	0.951865	0.622942	2

8.250	15.097	0.873752	0.546424	2
5.628	6.738	0.78078	0.83521	2
4.259	6.768	1.021867	0.629171	2
6.839	10.891	0.911586	0.627926	2
9.374	14.041	0.7958	0.667625	2
6.252	10.472	1.018603	0.596987	2
6.245	9.867	0.824795	0.632967	2
9.983	14.661	0.742337	0.680922	2
8.793	12.210	0.874307	0.720118	2
8.624	16.115	0.966568	0.535149	2
5.800	10.071	0.923144	0.575919	2
9.909	10.425	0.838809	0.950532	2
6.432	9.771	0.849076	0.658285	2
5.270	8.744	0.930657	0.602701	2
7.713	12.614	0.801599	0.611451	2
5.296	7.559	0.871954	0.700603	2
2.981	4.451	0.916935	0.669782	2
8.034	12.909	0.917688	0.62239	2
6.926	9.336	0.847731	0.741867	2
8.087	12.549	0.896319	0.64442	2
7.371	9.696	0.86179	0.760182	2
4.630	6.832	0.922009	0.677773	2
3.441	4.831	0.893596	0.712316	2
7.519	10.959	0.851539	0.6861	2
8.920	12.553	0.814791	0.710605	2
9.121	14.510	0.828946	0.628588	2
5.683	8.853	0.860421	0.641885	2
8.608	13.062	0.88679	0.658998	2
7.750	10.415	1.010603	0.744068	2
5.900	9.458	1.01561	0.623834	2
5.959	9.274	0.867838	0.642566	2
9.516	12.826	0.732849	0.741969	2
6.412	11.200	0.928495	0.572484	2
6.329	6.706	0.780778	0.943755	2
7.335	11.603	0.919094	0.632108	2
7.150	11.309	0.85817	0.632244	2
5.647	9.139	0.983429	0.617866	2
7.026	10.352	0.911845	0.678709	2
8.483	12.231	0.773028	0.69354	2
10.648	11.592	0.838813	0.91858	2
6.462	11.402	0.941951	0.566729	2
5.459	6.504	0.835811	0.8393	2
5.730	10.219	0.901014	0.56072	2
4.228	7.062	1.077113	0.598679	2

7.561	8.695	1.071981	0.869569	2
10.540	11.482	0.838814	0.917943	2
3.021	2.952	-6.787	1.023278	2
6.123	8.284	0.92478	0.739132	2
7.223	11.760	0.881195	0.614155	2
8.585	12.557	0.753393	0.683694	2
4.254	6.728	0.979641	0.632287	2
8.105	12.398	0.829517	0.653728	2
2.358	3.294	0.885466	0.715778	2
6.178	9.235	0.839162	0.668992	2
6.156	10.942	0.909308	0.562621	2
7.890	15.062	0.925924	0.523837	2
6.781	9.852	0.839934	0.688337	2
6.630	10.570	1.029273	0.627221	2
4.067	7.016	1.018746	0.579636	2
7.751	9.736	1.004637	0.79614	2
7.317	8.985	0.858688	0.814312	2
3.292	3.217	-6.78677	1.023271	2
9.314	11.058	0.835019	0.842324	2
8.734	11.172	0.858691	0.781797	2
4.351	5.746	0.916955	0.75732	2
7.487	11.357	0.84024	0.65921	2
6.410	7.329	0.834592	0.874684	2
3.435	5.414	0.863421	0.63434	2
4.258	5.720	0.894101	0.744477	2
4.882	9.087	0.999846	0.537301	2
7.849	12.889	0.921005	0.608995	2
4.325	7.151	0.925919	0.604899	2
4.334	7.904	0.978174	0.548309	2
8.325	10.711	0.858692	0.77722	2
6.380	12.420	0.97869	0.513659	2
4.851	6.549	0.905307	0.740752	2
5.786	9.203	0.907693	0.628705	2
4.855	7.481	0.899703	0.648952	2
8.732	13.174	0.911019	0.662844	2
8.307	11.610	0.927002	0.715509	2
3.890	5.703	0.897862	0.68204	2
5.276	6.122	0.907452	0.861857	2
6.145	8.447	0.947061	0.727487	2
6.976	10.476	0.841052	0.665959	2
8.752	12.705	0.907095	0.688876	2
7.594	12.275	0.939943	0.61866	2
8.141	11.958	0.848838	0.680791	2
7.058	10.357	0.911425	0.681471	2

10.163	13.705	1.019099	0.741567	2
8.554	8.896	0.976267	0.961597	2
3.812	5.151	0.903163	0.740136	2
7.172	11.748	0.913051	0.610512	2
7.087	10.850	0.999918	0.653143	2
8.157	12.145	0.968578	0.671667	2
6.529	10.678	0.86458	0.61146	2
6.997	11.359	1.029265	0.616033	2
4.415	5.944	0.854341	0.742771	2
9.326	14.078	1.019096	0.662449	2
5.191	7.198	0.884679	0.721171	2
6.905	11.895	0.899895	0.58051	2
5.866	10.466	0.927157	0.560537	2
3.821	4.951	0.954036	0.771778	2
2.673	2.613	-6.78799	1.023271	2
10.661	12.454	0.741045	0.856034	2
4.328	5.984	0.943879	0.723209	2
3.808	5.010	0.893352	0.760065	2
8.042	12.301	0.92207	0.65377	2
6.985	8.602	0.843719	0.811995	2
4.077	5.282	0.846059	0.7718	2
1.931	1.933	10.76435	0.998862	2
4.907	7.598	0.932312	0.645866	2
2.208	2.385	1.037727	0.926085	2
7.483	11.457	0.99992	0.65314	2
5.005	8.495	0.89356	0.589096	2
5.060	6.751	0.949384	0.749548	2
5.616	8.695	0.904018	0.645818	2
4.576	5.825	0.942205	0.785551	2
5.449	8.390	1.068859	0.64945	2
6.901	10.249	0.852278	0.673313	2
5.707	7.629	0.853301	0.748129	2
6.341	9.384	0.896624	0.675682	2
8.445	10.057	0.942043	0.839694	2
4.829	5.907	0.85897	0.817493	2
5.006	8.379	0.986709	0.597426	2
2.781	2.525	-105.242	1.101482	2
9.768	13.726	1.019097	0.711656	2
5.835	6.631	1.074234	0.879932	2
9.064	12.536	1.017064	0.722996	2
8.517	10.916	0.932277	0.780217	2
5.828	10.576	0.906143	0.551042	2
5.529	8.821	0.897676	0.626796	2
5.796	8.554	0.983521	0.677548	2

5.907	8.194	0.911396	0.720808	2
5.796	8.741	0.909591	0.663073	2
6.702	10.435	0.954096	0.64229	2
9.188	14.081	0.898389	0.65255	2
8.206	12.311	1.040284	0.666562	2
7.483	10.696	0.934449	0.699557	2
4.679	7.978	0.984745	0.58654	2
7.463	9.933	0.928406	0.751296	2
5.384	9.376	1.044432	0.574293	2
4.162	5.207	0.906561	0.799229	2
2.680	2.620	-6.63507	1.022959	2
6.748	8.073	0.711635	0.835867	2
7.321	7.909	0.80226	0.925561	2
2.712	2.711	-2.14195	1.000338	2
8.805	12.285	0.875053	0.716677	2
4.367	5.018	0.949017	0.870216	2
5.469	6.979	0.894621	0.78356	2
1.839	1.839	1.322059	0.999583	2
5.980	7.938	0.931938	0.753357	2
2.596	2.525	-5.35331	1.027931	2
1.196	1.196	-8.45371	0.999835	2
7.848	8.743	0.817165	0.897559	2
6.206	8.389	0.852187	0.739848	2
2.696	2.666	-2.31684	1.011481	2
6.693	8.566	0.951768	0.78127	2
6.758	8.166	0.987144	0.827602	2
3.665	3.751	1.038805	0.977128	2
6.888	8.658	0.943346	0.795602	2
5.527	7.786	1.023545	0.709791	2
5.031	6.481	0.941627	0.776273	2
6.800	9.012	0.960356	0.754594	2
6.148	8.089	0.979943	0.760032	2
5.651	8.238	0.955756	0.685982	2
6.179	8.153	0.970617	0.757817	2
3.675	4.267	0.965234	0.861198	2
2.749	2.810	0.788159	0.978403	2
4.459	6.900	0.920962	0.646186	2
2.402	2.327	-15.209	1.032087	2
4.152	4.846	0.880646	0.85683	2
3.290	3.075	-66.3791	1.070134	2
7.267	7.708	0.861506	0.942869	2
2.067	2.151	0.949357	0.96073	2
2.975	2.898	-16.1393	1.026429	2
3.977	4.737	1.142541	0.839558	2

4.775	5.181	0.925438	0.921725	2
5.709	6.268	0.932557	0.910724	2
2.270	2.336	1.088795	0.971789	2
3.520	3.586	1.011019	0.981492	2
5.193	5.907	0.804766	0.879166	2
3.402	3.468	0.933515	0.980903	2
6.063	6.406	0.870825	0.946507	2
6.434	7.103	0.940342	0.905787	2
6.333	6.855	0.918715	0.923925	2
5.320	5.721	0.921422	0.92985	2
7.038	9.246	0.987839	0.761209	2
5.856	6.505	0.813967	0.900134	2
2.586	2.621	0.558236	0.986718	2
7.302	7.771	0.930936	0.939644	2
5.709	6.274	0.925067	0.90993	2
5.389	6.699	0.993403	0.804441	2
2.309	2.352	0.84404	0.981376	2
1.864	1.782	-17.796	1.045797	2
2.358	2.317	-3.03543	1.01765	2
3.340	3.418	1.038612	0.977129	2
2.775	2.837	0.788132	0.978404	2
5.519	6.022	0.808911	0.916488	2
4.844	5.355	1.072687	0.904719	2
1.815	1.824	0.500747	0.994688	2
4.832	5.345	0.928547	0.904122	2
5.096	5.666	0.86489	0.899337	2
4.764	4.876	0.855224	0.977081	2
2.325	2.514	0.958018	0.924974	2
2.334	2.377	0.943731	0.982029	2
2.458	2.437	-3.36071	1.008553	2
2.706	2.688	-5.35819	1.00659	2
4.595	4.918	1.023248	0.934143	2
1.622	1.629	0.676916	0.996014	2
2.180	2.116	-6.04747	1.030278	2
2.587	2.630	1.017599	0.983454	2
2.582	2.513	-17.8692	1.027745	2
0.823	0.823	1.01051	0.999151	2
2.553	2.535	-9.11002	1.007051	2
2.781	2.840	0.868671	0.979263	2
1.875	1.915	0.852096	0.978732	2
12.922	26.967	0.866285	0.479183	3
11.157	21.257	0.858339	0.524854	3
12.123	23.135	0.800287	0.524032	3
7.645	15.334	0.842329	0.498561	3

11.665	21.443	0.858338	0.543973	3
12.512	23.434	0.800287	0.533908	3
7.130	14.930	0.928333	0.477548	3
7.597	16.108	0.870434	0.471639	3
9.069	18.238	0.901202	0.497231	3
10.777	16.391	0.705146	0.65747	3
11.378	22.678	0.896233	0.50173	3
9.755	19.424	0.91534	0.502227	3
8.569	17.139	0.861159	0.499997	3
9.473	18.721	0.890704	0.506008	3
13.997	21.526	0.801273	0.650228	3
11.962	23.459	0.788579	0.509925	3
11.958	23.450	0.788578	0.509924	3
12.188	23.902	0.788582	0.509925	3
7.007	15.214	0.876441	0.460529	3
10.603	20.183	0.858337	0.52534	3
8.915	17.624	0.890646	0.505829	3
12.079	17.995	0.889936	0.671234	3
8.399	13.286	0.745627	0.632191	3
9.285	20.373	0.888982	0.455743	3
12.347	24.539	0.896237	0.503167	3
7.721	16.848	0.944943	0.458241	3
8.913	19.263	0.92254	0.462717	3
10.349	17.962	0.933436	0.576135	3
9.224	19.777	0.925686	0.466429	3
7.888	16.384	0.916615	0.481471	3
8.662	16.660	0.845296	0.51994	3
8.467	17.063	0.920454	0.496257	3
11.462	21.840	0.800287	0.524831	3
11.445	21.435	0.800287	0.533908	3
8.020	17.005	0.870436	0.471639	3
8.419	18.193	0.899959	0.462763	3
11.368	25.570	0.88785	0.4446	3
9.830	20.407	0.901225	0.481715	3
9.298	21.360	0.981712	0.435299	3
7.766	15.544	0.884301	0.499622	3
11.977	23.487	0.788579	0.509925	3
10.048	17.361	0.902489	0.578746	3
9.517	19.887	0.911417	0.478534	3
7.763	15.296	0.895615	0.50753	3
10.168	20.075	0.885934	0.506486	3
12.780	25.063	0.788579	0.509925	3
10.613	21.174	0.848179	0.501202	3
7.398	15.163	0.848159	0.487887	3

9.988	17.899	0.785713	0.558022	3
7.102	9.451	0.860896	0.751502	3
11.126	24.368	0.908381	0.45658	3
10.215	22.418	0.888983	0.455652	3
8.152	15.915	0.852135	0.512242	3
9.762	18.214	0.885954	0.535973	3
7.043	15.079	0.87043	0.46704	3
11.726	22.115	0.800285	0.530222	3
9.463	21.071	0.887856	0.449114	3
10.520	21.312	0.904732	0.493646	3
11.375	21.577	0.87799	0.527186	3
9.978	17.278	0.848764	0.577504	3
11.492	22.066	0.91955	0.52081	3
11.550	21.683	0.744184	0.532675	3
11.109	16.958	0.696858	0.655076	3
10.299	22.844	0.888982	0.450832	3
10.652	17.651	0.909888	0.603456	3
10.289	18.741	0.929247	0.548974	3
9.235	21.654	0.927748	0.426509	3
11.146	21.915	0.823443	0.508622	3
10.242	20.554	0.877075	0.498313	3
#DIV/0!	0.000	#DIV/0!	#DIV/0!	3
8.377	18.057	0.868934	0.463917	3
10.125	22.044	0.92512	0.459304	3
8.729	19.619	0.907339	0.44494	3
9.504	19.627	0.836018	0.484246	3
10.102	17.985	0.911978	0.561671	3
7.926	16.463	0.916614	0.481471	3
10.211	17.555	0.909892	0.581661	3
9.956	21.203	0.912489	0.469533	3
8.368	15.943	0.858337	0.524854	3
14.136	21.472	0.811984	0.658353	3
9.594	20.098	0.849285	0.477355	3
10.676	21.322	0.844764	0.500693	3
5.734	12.434	0.876444	0.461176	3
9.267	20.903	0.887855	0.443338	3
9.062	19.091	0.859558	0.474704	3
7.870	16.042	0.90249	0.490558	3
8.941	16.683	0.887144	0.535945	3
7.417	15.689	0.887391	0.472752	3
11.620	23.403	0.815993	0.496545	3
10.697	19.102	0.88507	0.559974	3
6.013	11.943	0.912065	0.50347	3
8.355	17.318	0.866286	0.482468	3

10.771	22.797	0.899155	0.47249	3
11.168	21.305	0.824386	0.524217	3
8.822	20.742	0.940376	0.425311	3
8.885	17.535	0.890208	0.506708	3
9.354	15.515	0.863101	0.602924	3
7.885	17.180	0.944733	0.458987	3
9.907	17.033	0.909891	0.581661	3
12.321	24.682	0.896234	0.499173	3
7.992	16.681	0.93718	0.479092	3
10.283	22.115	0.887142	0.464974	3
11.170	23.609	0.841485	0.473112	3
6.208	12.945	0.862457	0.479599	3
10.618	17.732	0.809837	0.598816	3
11.396	24.292	0.908382	0.469124	3
8.944	20.928	0.92775	0.42738	3
10.746	20.658	0.889432	0.520183	3
9.340	18.539	0.861352	0.503826	3
10.182	22.025	0.887141	0.462308	3
9.096	18.976	0.893551	0.479322	3
10.168	20.328	0.904731	0.500192	3
10.546	24.351	0.901534	0.433086	3
7.956	16.618	0.929045	0.478771	3
9.692	19.281	0.8309	0.502696	3
7.513	16.087	0.870434	0.46704	3
5.855	12.377	0.832499	0.473034	3
7.893	13.175	0.732997	0.599093	3
9.341	19.617	0.897149	0.476149	3
8.741	18.874	0.860999	0.463138	3
9.956	19.236	0.844763	0.517534	3
11.676	23.391	0.896237	0.499173	3
10.547	24.041	0.941106	0.438713	3
10.852	18.677	0.848767	0.581045	3
9.758	20.984	0.952898	0.46501	3
10.253	20.228	0.910551	0.506876	3
7.904	16.929	0.861002	0.466914	3
8.291	16.723	0.889565	0.495803	3
9.802	21.741	0.888984	0.450832	3
12.687	18.052	0.745464	0.702779	3
8.544	16.457	0.893043	0.519179	3
8.526	18.794	0.877074	0.453666	3
8.770	15.531	0.915597	0.564676	3
9.921	21.088	0.873739	0.470431	3
9.653	16.538	0.909888	0.583698	3
9.404	15.864	0.69686	0.592798	3

8.483	17.231	0.918843	0.492331	3
9.177	15.139	0.848763	0.60622	3
9.788	22.025	0.882155	0.444432	3
11.195	16.603	0.916947	0.674245	3
10.784	18.329	0.809836	0.588332	3
7.127	14.782	0.924844	0.482148	3
10.723	20.885	0.855938	0.513443	3
12.415	24.067	0.897534	0.51587	3
6.842	13.946	0.863223	0.490614	3
2.571	2.860	0.974605	0.89921	3
9.933	18.205	0.91971	0.545622	3
9.609	17.532	0.933417	0.548078	3
5.719	11.887	0.833935	0.481117	3
6.594	11.439	0.832395	0.576384	3
8.669	20.226	0.945005	0.428595	3
9.254	21.868	0.936876	0.42316	3
9.050	16.005	0.923229	0.565446	3
10.144	21.798	0.893181	0.465343	3
8.260	16.187	0.937541	0.510291	3
8.678	19.894	0.908492	0.436236	3
8.186	16.821	0.909611	0.486636	3
8.587	17.888	0.859771	0.480016	3
6.789	13.614	0.874312	0.498704	3
9.648	16.822	0.886084	0.573573	3
8.693	18.524	0.92206	0.469297	3
12.831	23.292	0.880936	0.550863	3
7.766	17.256	0.930847	0.450022	3
7.934	15.323	0.801927	0.517783	3
9.617	16.202	0.696859	0.593571	3
8.471	15.399	0.872492	0.550092	3
10.471	18.932	0.757684	0.553096	3
8.339	15.921	0.8453	0.523798	3
8.090	16.817	0.925861	0.48107	3
8.619	17.055	0.881282	0.505353	3
9.597	19.820	0.858953	0.484216	3
9.775	16.777	0.877769	0.582659	3
9.245	19.358	0.933917	0.477575	3
8.524	18.464	0.932507	0.461668	3
9.329	18.857	0.837339	0.494751	3
9.462	20.129	0.922905	0.470094	3
12.073	22.725	0.757479	0.531277	3
10.768	21.913	0.846773	0.491419	3
10.087	18.013	0.88507	0.559974	3
7.807	17.167	0.936806	0.45477	3

9.049	13.990	0.822368	0.646843	3
9.647	22.075	0.945176	0.436987	3
9.208	18.145	0.923872	0.507473	3
12.296	20.410	0.940255	0.602452	3
5.668	11.883	0.832493	0.47703	3
8.656	18.421	0.859556	0.469874	3
10.250	22.422	0.942324	0.457141	3
8.454	14.905	0.824111	0.567234	3
9.050	19.653	0.875165	0.460489	3
9.509	17.061	0.872496	0.557335	3
6.751	10.591	0.929456	0.637418	3
8.637	19.308	0.905935	0.447308	3
10.546	22.656	0.952211	0.465474	3
9.969	19.667	0.910552	0.506876	3
7.663	17.957	0.932462	0.426764	3
11.040	18.859	0.754506	0.585412	3
11.274	21.206	0.852496	0.531654	3
12.754	23.153	0.880937	0.550863	3
7.554	15.072	0.848177	0.501202	3
7.255	13.284	0.901033	0.546126	3
9.409	19.695	0.951659	0.477721	3
7.589	13.965	0.902176	0.543407	3
9.124	12.930	0.681609	0.705667	3
6.846	12.056	0.797239	0.567845	3
9.741	17.077	0.920054	0.57042	3
9.119	22.619	0.960241	0.403177	3
8.864	18.357	0.924223	0.482878	3
8.297	17.208	0.904555	0.482161	3
9.568	19.034	0.830901	0.502696	3
8.823	18.391	0.850243	0.479726	3
5.793	11.917	0.888303	0.486126	3
6.419	11.508	0.924379	0.557755	3
9.607	19.021	0.881184	0.505054	3
9.685	16.667	0.886893	0.581054	3
10.306	20.458	0.942689	0.503794	3
6.077	11.654	0.878998	0.521453	3
10.234	21.194	0.879118	0.482884	3
7.306	15.822	0.939365	0.461734	3
10.233	17.466	0.798996	0.585877	3
9.859	17.534	0.798999	0.562307	3
8.769	20.654	0.942645	0.424555	3
12.294	20.262	0.919551	0.606723	3
8.045	18.277	0.928627	0.44016	3
7.612	18.012	0.947048	0.422605	3

2.328	1.658	105.9493	1.404124	3
9.155	19.562	0.952404	0.468031	3
8.489	17.220	0.894927	0.492993	3
9.661	18.412	0.904821	0.524723	3
9.196	17.281	0.913727	0.53217	3
9.714	20.653	0.88479	0.470336	3
8.998	15.180	0.696858	0.592798	3
6.179	12.025	0.853509	0.513817	3
8.180	18.195	0.922008	0.449546	3
10.353	20.437	0.893958	0.506588	3
9.145	15.313	0.8453	0.597208	3
3.541	7.287	0.972656	0.48587	3
8.239	15.161	0.899158	0.543472	3
9.135	15.985	0.91169	0.571495	3
8.430	14.849	0.863102	0.567723	3
3.769	7.438	0.960434	0.506722	3
7.597	17.065	0.903267	0.445179	3
6.377	12.897	0.937978	0.494459	3
11.412	18.943	0.911977	0.602454	3
8.615	17.979	0.903459	0.479204	3
8.226	14.722	0.856544	0.558778	3
7.753	16.912	0.948254	0.458432	3
9.057	18.778	0.907821	0.482332	3
7.971	14.656	0.862345	0.543842	3
6.619	12.595	0.88714	0.525508	3
6.211	12.016	0.932307	0.516858	3
6.750	12.251	0.91331	0.550984	3
9.133	16.995	0.927073	0.537382	3
10.114	20.071	0.923872	0.503892	3
8.829	20.792	0.930153	0.424644	3
7.766	14.548	0.841049	0.533791	3
7.611	13.473	0.956329	0.564913	3
8.234	16.106	0.915889	0.511208	3
9.029	17.368	0.854623	0.519886	3
9.679	16.344	0.858546	0.592216	3
8.681	20.436	0.927321	0.424803	3
9.138	19.545	0.855996	0.467541	3
6.932	14.763	0.888863	0.469574	3
6.358	12.724	0.888267	0.499704	3
9.322	21.829	0.959764	0.427044	3
6.767	9.898	0.963026	0.68364	3
8.493	16.376	0.878168	0.518591	3
8.873	18.586	0.847467	0.477375	3
7.061	12.222	0.887713	0.577727	3

9.742	16.343	0.931473	0.596072	3
7.131	13.294	0.80984	0.536416	3
8.743	15.409	0.926498	0.567396	3
8.595	17.567	0.882516	0.489244	3
9.234	18.335	0.907884	0.50361	3
9.307	18.519	0.885532	0.502543	3
9.159	17.583	0.925205	0.520905	3
7.916	16.151	0.916741	0.490134	3
8.415	16.744	0.950326	0.502552	3
9.839	19.306	0.902638	0.509643	3
9.050	17.834	0.923873	0.507472	3
9.110	18.105	0.92998	0.50319	3
7.696	16.708	0.889435	0.460634	3
7.274	13.765	0.865029	0.528472	3
10.426	20.709	0.917424	0.503442	3
7.632	11.152	0.925311	0.684369	3
8.714	18.403	0.905341	0.473503	3
6.501	13.197	0.972392	0.492645	3
7.036	14.627	0.825779	0.481037	3
8.523	17.951	0.856804	0.474808	3
7.840	15.758	0.910488	0.497518	3
8.958	16.732	0.862979	0.535395	3
6.675	15.814	0.930374	0.422115	3
8.198	19.844	0.948364	0.413137	3
9.131	18.165	0.830901	0.502697	3
7.536	16.825	0.924548	0.447882	3
9.415	20.613	0.924191	0.456768	3
8.150	16.535	0.823383	0.492878	3
8.930	20.335	0.908735	0.439121	3
8.129	12.072	0.882517	0.67332	3
3.257	7.141	0.953603	0.456053	3
9.800	16.400	0.93103	0.597537	3
9.461	17.251	0.945931	0.548417	3
6.111	13.191	0.926831	0.46328	3
10.301	16.770	0.882361	0.614231	3
7.942	16.587	0.926153	0.478835	3
7.783	15.031	0.801925	0.517783	3
9.501	15.659	0.919551	0.606719	3
9.926	17.328	0.919555	0.572814	3
9.026	17.300	0.902864	0.52177	3
9.881	22.417	0.956964	0.44077	3
9.685	19.003	0.902637	0.509643	3
9.030	18.275	0.896284	0.494101	3
7.503	12.279	0.733001	0.611098	3

8.128	16.636	0.876736	0.488597	3
8.726	12.751	0.925311	0.684369	3
7.735	14.161	0.923109	0.54622	3
7.449	16.942	0.935407	0.439665	3
9.091	19.654	0.87627	0.462573	3
8.442	15.660	0.800666	0.53908	3
8.497	16.075	0.844187	0.528585	3
8.242	17.085	0.945721	0.482424	3
9.224	16.783	0.911691	0.54959	3
1.470	1.350	1879.657	1.08921	3
8.019	12.891	0.991979	0.622099	3
6.884	12.058	0.78368	0.570902	3
6.978	12.874	0.811504	0.542006	3
8.027	16.031	0.882662	0.50074	3
6.479	12.122	0.903228	0.534531	3
9.113	16.787	0.927482	0.542833	3
6.602	10.130	0.937679	0.651708	3
7.283	12.773	0.864978	0.57016	3
10.162	14.429	0.855397	0.70425	3
7.148	15.211	0.895426	0.469932	3
8.081	19.792	0.948364	0.408318	3
7.177	13.094	0.908037	0.548094	3
4.885	7.717	0.937367	0.632977	3
6.942	13.455	0.828839	0.515906	3
6.252	12.107	0.94341	0.516379	3
7.675	16.652	0.936125	0.4609	3
8.265	17.578	0.932508	0.470198	3
7.076	14.333	0.920431	0.493684	3
9.613	17.299	0.93706	0.555735	3
10.817	20.843	0.919551	0.518979	3
6.361	11.241	0.970444	0.565875	3
8.216	16.301	0.946309	0.504029	3
8.053	18.815	0.926482	0.428016	3
6.707	11.636	0.832395	0.576384	3
7.491	13.708	0.858328	0.546449	3
8.532	17.260	0.956432	0.494347	3
6.745	12.068	0.848648	0.558914	3
4.946	8.348	0.869191	0.592493	3
9.477	17.126	0.914007	0.553364	3
7.188	10.952	0.993749	0.656308	3
7.376	14.443	0.963169	0.510662	3
8.332	16.407	0.950459	0.507805	3
7.889	16.346	0.881661	0.482636	3
6.232	11.252	0.962462	0.553854	3

7.422	13.836	0.914639	0.536418	3
7.689	16.128	0.949412	0.476716	3
4.892	9.890	0.927389	0.494671	3
8.401	19.107	0.928069	0.439693	3
9.339	20.382	0.913383	0.458175	3
9.016	20.703	0.95201	0.435484	3
7.281	14.926	0.889506	0.487775	3
4.389	8.822	0.988506	0.497535	3
6.680	13.596	0.92395	0.491335	3
5.518	11.478	0.924928	0.480776	3
7.260	14.582	0.917474	0.497857	3
7.917	16.827	0.93643	0.470486	3
8.956	16.903	0.89965	0.529819	3
6.157	10.944	0.864329	0.562605	3
8.406	12.992	0.815987	0.64699	3
9.370	16.151	0.886084	0.580135	3
8.298	14.881	0.815015	0.55767	3
8.071	14.131	0.904757	0.57114	3
7.414	15.282	0.902074	0.48514	3
7.171	15.390	0.945022	0.465937	3
8.764	18.767	0.870473	0.466969	3
6.842	12.950	0.870323	0.528381	3
9.234	18.823	0.877567	0.490569	3
7.092	13.741	0.90236	0.516105	3
7.801	12.530	0.963583	0.622554	3
6.362	12.293	0.905222	0.517499	3
4.539	9.117	0.964652	0.497875	3
9.806	17.562	0.926498	0.558367	3
9.033	16.836	0.92174	0.536524	3
7.298	12.799	0.946398	0.570202	3
7.603	15.554	0.888643	0.488795	3
6.418	12.114	0.971226	0.529767	3
8.323	18.729	0.925431	0.444394	3
6.171	12.564	0.95382	0.491147	3
10.122	19.119	0.933587	0.529426	3
6.136	12.151	0.90522	0.504981	3
5.344	8.227	0.957912	0.649563	3
5.737	12.378	0.930617	0.463451	3
5.210	9.371	0.846647	0.555969	3
1.926	3.222	1.118068	0.597937	3
6.253	12.357	0.921559	0.506029	3
9.283	18.925	0.913226	0.490486	3
7.478	14.557	0.935541	0.513725	3
4.865	9.619	0.936255	0.505732	3

6.956	14.163	0.934944	0.491149	3
7.765	14.420	1.000261	0.538473	3
8.325	16.626	0.89556	0.500692	3
6.346	11.922	0.920294	0.532314	3
5.175	9.748	0.932243	0.530841	3
7.000	11.801	0.97387	0.593164	3
6.404	12.814	0.94607	0.499758	3
8.648	14.081	0.93743	0.614129	3
9.478	14.977	0.852032	0.632825	3
4.013	8.953	1.001942	0.448177	3
8.363	17.251	0.851983	0.484781	3
6.704	10.499	0.875602	0.638532	3
7.060	10.797	0.907473	0.653873	3
9.095	15.951	0.933621	0.570169	3
7.312	14.849	0.896838	0.492402	3
8.412	16.884	0.93795	0.498209	3
6.156	10.311	0.906204	0.597038	3
8.350	17.358	0.913501	0.481069	3
5.902	10.254	0.945822	0.575623	3
6.506	11.837	0.908979	0.5496	3
6.947	12.406	0.914137	0.559973	3
3.823	5.918	0.966489	0.646042	3
5.917	11.627	0.915933	0.508905	3
7.657	12.912	0.902693	0.592986	3
4.395	7.306	0.932879	0.601608	3
6.775	11.802	0.834614	0.574071	3
9.529	12.864	0.90589	0.740763	3
7.096	12.298	0.942	0.577022	3
7.446	15.239	0.876739	0.488597	3
7.707	15.765	0.826087	0.488869	3
6.006	11.849	0.947227	0.506842	3
6.075	11.806	0.853417	0.514572	3
10.094	16.032	0.914385	0.629607	3
5.964	11.133	0.928466	0.535671	3
9.663	15.990	0.698312	0.604307	3
5.932	11.893	0.9451	0.498763	3
7.119	15.023	0.930194	0.473885	3
7.726	15.218	0.956407	0.507678	3
9.076	16.815	0.872854	0.539737	3
11.499	13.471	1.011239	0.853581	3
5.790	9.593	0.958225	0.603599	3
9.131	17.809	0.957795	0.512752	3
6.837	15.004	0.947844	0.455698	3
7.996	16.493	0.967884	0.484801	3

7.311	12.960	0.960543	0.564073	3
8.422	17.047	0.889522	0.494019	3
8.195	13.965	0.920767	0.586843	3
6.650	10.536	0.937679	0.631238	3
6.907	12.520	0.885678	0.55167	3
6.458	10.224	0.912497	0.631674	3
6.451	10.595	0.916209	0.608892	3
4.815	7.959	0.989634	0.604989	3
7.729	13.969	0.883078	0.553272	3
12.308	14.256	1.01124	0.863371	3
7.102	12.091	0.935522	0.587373	3
7.163	14.579	0.929604	0.491316	3
7.357	9.199	0.841712	0.79975	3
7.414	14.119	0.919235	0.525091	3
9.592	11.915	0.919094	0.80502	3
8.602	16.225	0.918511	0.530141	3
8.066	14.967	0.845488	0.538957	3
9.164	13.260	0.767885	0.691116	3
10.826	15.418	0.935368	0.702182	3
5.977	12.371	0.887229	0.483129	3
8.300	15.072	0.85855	0.550709	3
6.523	12.859	0.960251	0.507302	3
6.542	10.418	0.911703	0.627944	3
8.941	14.296	0.896284	0.625397	3
7.427	16.198	0.928991	0.458492	3
7.686	11.907	0.904954	0.6455	3
5.650	9.109	0.964862	0.620261	3
7.130	13.735	0.914287	0.519112	3
7.424	13.787	1.000268	0.538473	3
8.754	16.768	0.945614	0.522069	3
10.354	13.208	0.941535	0.783884	3
11.226	12.047	0.935385	0.931819	3
9.753	14.807	0.939147	0.65866	3
9.322	12.544	0.921198	0.743093	3
6.351	13.591	0.922307	0.46726	3
7.190	15.562	0.925699	0.462019	3
7.673	12.701	0.979981	0.604161	3
6.945	11.155	0.944035	0.62254	3
5.480	8.729	0.969393	0.627804	3
6.668	14.453	0.908478	0.461361	3
6.347	9.195	0.933782	0.690254	3
7.026	14.527	0.955416	0.483613	3
6.618	13.451	0.955021	0.491973	3
6.389	8.693	0.934108	0.734935	3

8.029	14.239	0.944382	0.563854	3
7.237	12.938	0.904179	0.559384	3
5.461	6.371	1.045514	0.857161	3
7.202	15.019	0.958706	0.479503	3
7.839	13.681	0.950704	0.573019	3
8.733	13.834	0.862768	0.631288	3
6.352	9.963	0.875602	0.637584	3
8.688	16.570	0.822177	0.524324	3
7.329	12.359	0.953317	0.593024	3
8.330	14.753	0.930105	0.564631	3
6.993	13.146	0.928876	0.531914	3
8.951	16.942	0.944471	0.528308	3
6.900	12.952	0.891499	0.532712	3
8.510	15.177	0.93498	0.5607	3
6.564	12.254	0.963912	0.535672	3
8.326	11.824	0.935454	0.704208	3
7.194	13.606	0.914958	0.52873	3
6.117	10.746	1.024749	0.569204	3
6.837	16.925	0.957654	0.403947	3
6.596	7.825	0.794549	0.842988	3
5.592	8.980	1.03539	0.622662	3
7.526	13.462	0.832304	0.559036	3
5.970	10.066	0.914637	0.593074	3
7.520	14.144	0.927594	0.531683	3
6.622	14.469	0.897966	0.457704	3
6.759	10.235	0.865267	0.660421	3
5.746	10.264	0.908773	0.559868	3
7.016	15.869	0.970686	0.442085	3
6.418	10.684	0.956499	0.600731	3
10.936	12.110	0.90589	0.903062	3
6.511	11.558	0.919845	0.563376	3
6.229	10.502	0.880825	0.593154	3
8.130	17.500	0.913048	0.464564	3
8.861	13.150	0.875886	0.673822	3
6.998	11.716	0.935295	0.597334	3
6.585	12.612	0.922921	0.522172	3
7.224	11.667	0.908542	0.619134	3
7.829	14.353	0.907906	0.545486	3
5.395	8.188	0.961094	0.658877	3
7.195	11.013	0.895205	0.653294	3
7.239	10.972	0.887028	0.65976	3
5.998	11.627	0.883697	0.51589	3
7.666	12.360	0.837657	0.620266	3
9.267	16.726	0.895578	0.554086	3

5.780	9.494	0.938446	0.608788	3
10.390	16.296	0.857991	0.637556	3
8.082	12.330	0.941535	0.655484	3
6.439	11.346	0.942033	0.56757	3
6.029	11.417	0.95573	0.528036	3
8.138	13.424	0.874522	0.606215	3
7.008	11.657	0.957865	0.601197	3
5.686	5.841	0.794548	0.973529	3
6.329	11.946	0.971223	0.529767	3
7.147	12.359	0.886351	0.578315	3
6.632	10.754	0.950591	0.616756	3
7.473	11.145	0.959297	0.670591	3
7.158	14.027	0.934895	0.510326	3
9.451	11.487	0.905891	0.822728	3
8.731	15.627	0.911421	0.558719	3
6.318	8.216	0.956407	0.769017	3
6.644	11.763	0.83504	0.564851	3
6.117	9.788	1.009792	0.624905	3
5.949	7.169	0.897175	0.829878	3
11.550	14.041	0.905893	0.822579	3
2.799	2.755	-3.35958	1.016176	3
6.506	10.229	0.910907	0.636054	3
6.535	12.719	0.92155	0.513808	3
6.656	12.879	0.928879	0.51678	3
5.666	9.806	0.890635	0.577844	3
7.293	15.446	0.952769	0.472129	3
8.483	13.141	0.904948	0.645499	3
6.443	10.060	0.896791	0.640485	3
7.186	13.923	0.88667	0.516165	3
7.096	13.462	0.872132	0.527068	3
4.984	8.212	0.918328	0.606956	3
7.556	11.146	0.902073	0.67791	3
6.005	11.132	0.965616	0.539464	3
8.183	10.647	0.976334	0.768531	3
9.578	12.898	0.767887	0.74258	3
3.180	3.129	-3.36063	1.016177	3
9.409	12.730	0.784502	0.739119	3
9.236	13.364	0.767883	0.691116	3
5.078	7.827	0.957375	0.648721	3
6.483	11.714	0.917559	0.553462	3
5.897	7.281	0.896039	0.809975	3
6.722	11.630	0.910041	0.578008	3
7.777	10.958	0.887029	0.709693	3
7.001	12.778	0.930185	0.547935	3

3.076	5.327	0.942884	0.577373	3
9.393	14.759	0.914797	0.63642	3
7.819	14.336	0.979583	0.545407	3
9.399	13.689	0.767885	0.686573	3
5.995	11.530	0.919103	0.519932	3
7.338	10.097	0.904572	0.726754	3
6.803	10.927	0.914909	0.622526	3
4.727	7.560	0.945869	0.625236	3
7.472	11.692	0.948849	0.639057	3
7.624	11.571	0.925377	0.658885	3
6.434	10.143	0.913184	0.634313	3
6.709	8.633	0.989636	0.777162	3
6.966	10.648	1.013244	0.65423	3
6.584	10.030	0.904685	0.656397	3
4.943	8.027	0.966843	0.615814	3
7.265	11.241	0.913552	0.646327	3
6.475	10.563	0.940267	0.613012	3
7.428	11.854	0.879924	0.626655	3
7.377	10.442	0.949352	0.706467	3
7.771	8.258	0.995385	0.941046	3
8.127	11.157	0.90317	0.728439	3
7.668	11.755	0.923448	0.652307	3
7.226	10.963	1.019468	0.659141	3
6.799	10.504	0.849235	0.647292	3
6.557	12.610	0.920768	0.520013	3
7.784	11.556	0.902074	0.673633	3
5.338	8.087	0.979629	0.660109	3
6.458	10.243	0.949348	0.630499	3
6.961	10.759	0.986609	0.647029	3
7.911	14.692	0.83695	0.538444	3
6.642	13.006	0.929574	0.51069	3
5.351	6.977	0.897207	0.767064	3
2.717	2.674	-3.36047	1.016177	3
8.229	10.613	0.905342	0.775365	3
5.071	8.389	0.913842	0.604507	3
7.528	10.204	0.887025	0.737759	3
6.552	10.081	0.966187	0.649958	3
9.701	14.264	0.866078	0.680092	3
5.774	7.803	0.857913	0.739995	3
2.082	2.087	3.122707	0.997882	3
5.863	10.315	0.896569	0.568419	3
2.280	2.533	0.9556	0.900315	3
7.295	11.068	1.019463	0.659138	3
5.917	12.800	0.912151	0.462297	3

7.372	9.101	0.734885	0.810066	3
6.302	10.270	0.974017	0.613606	3
5.239	6.680	0.86657	0.784268	3
5.395	8.112	0.976287	0.665135	3
7.263	12.067	0.876824	0.601895	3
4.174	6.132	0.893976	0.680657	3
6.747	10.850	0.920817	0.621808	3
8.096	9.801	0.94335	0.826057	3
6.875	8.597	0.851125	0.799661	3
8.362	13.500	0.937428	0.619403	3
2.679	2.690	0.263844	0.99619	3
7.041	10.642	0.94935	0.661595	3
5.112	6.383	0.958349	0.800982	3
7.335	9.753	0.902382	0.752131	3
6.268	9.108	0.990371	0.688209	3
7.144	13.268	0.84807	0.538386	3
7.140	11.614	0.945825	0.614808	3
6.485	9.251	0.978287	0.70107	3
2.541	4.001	0.922489	0.635045	3
3.570	5.661	0.921687	0.630665	3
6.875	10.720	0.990639	0.641381	3
7.853	14.498	0.916232	0.541651	3
6.057	9.613	1.004001	0.630115	3
6.166	10.155	0.98562	0.607134	3
6.216	12.265	0.985793	0.506811	3
7.096	9.367	0.945433	0.757578	3
7.084	12.804	0.961235	0.553216	3
4.543	5.721	0.898731	0.79411	3
2.543	2.529	-0.87356	1.005221	3
8.912	11.347	0.679725	0.785454	3
4.434	5.307	0.865597	0.835548	3
1.531	1.536	-5.43058	0.996804	3
3.898	6.110	0.990787	0.637926	3
7.276	8.780	0.91639	0.828662	3
3.784	5.003	0.904445	0.756429	3
1.484	1.481	-1.2698	1.002041	3
4.983	7.691	0.904725	0.647835	3
2.445	2.420	-2.98717	1.010413	3
1.187	1.193	-20.0093	0.995011	3
3.906	4.745	0.856523	0.823176	3
3.671	5.694	0.875289	0.644729	3
1.368	1.366	-0.44598	1.002055	3
5.656	8.363	0.997731	0.676369	3
4.931	6.861	0.870887	0.718611	3

1.666	1.675	0.467064	0.994674	3
5.246	8.025	0.934881	0.653774	3
4.637	7.337	0.975893	0.632025	3
4.528	6.768	0.964883	0.668988	3
5.368	8.412	0.953272	0.638184	3
5.551	8.766	0.905949	0.633225	3
5.579	9.505	0.936692	0.586908	3
5.316	8.046	0.962436	0.66067	3
4.530	5.392	0.928067	0.840185	3
2.292	2.452	1.010191	0.934588	3
3.648	5.926	0.919152	0.615658	3
2.387	2.379	-0.55721	1.00325	3
6.521	7.867	0.892803	0.828942	3
2.710	2.711	0.025587	0.999701	3
4.903	5.487	0.873839	0.893482	3
2.959	3.115	0.8907	0.949894	3
2.512	2.481	-4.17853	1.012379	3
4.381	5.565	0.95973	0.787343	3
4.159	4.696	0.918938	0.885496	3
3.575	3.706	1.036789	0.964452	3
2.824	2.866	0.879626	0.985143	3
2.740	2.784	0.879281	0.9842	3
3.733	5.339	0.926952	0.699235	3
1.665	1.672	0.521327	0.995844	3
6.039	6.750	0.945292	0.894697	3
3.010	3.134	0.935774	0.960403	3
3.509	3.676	1.039252	0.954668	3
3.479	3.641	0.977728	0.955459	3
5.671	8.112	0.961167	0.699094	3
3.663	5.154	0.93745	0.71076	3
2.959	3.066	0.760191	0.964846	3
3.949	3.894	0.859415	1.01432	3
3.565	3.793	0.902101	0.939998	3
4.450	5.314	0.92105	0.837354	3
1.749	1.869	0.993979	0.935805	3
3.077	3.045	-1.60068	1.010483	3
3.173	3.160	-0.48777	1.00432	3
1.882	1.892	0.466998	0.994674	3
2.347	2.511	1.010201	0.934589	3
3.822	4.350	0.955996	0.878723	3
3.337	4.001	1.012534	0.83411	3
2.506	2.518	0.252956	0.995368	3
3.086	3.201	0.994887	0.964183	3
6.179	7.383	0.900439	0.836877	3

2.241	2.244	0.320384	0.998772	3
2.306	2.599	1.024654	0.887322	3
1.673	1.681	0.839333	0.994922	3
0.995	1.007	-3.82185	0.988116	3
1.191	1.189	-0.9598	1.002278	3
2.815	2.947	0.779614	0.955121	3
1.339	1.375	0.95061	0.974176	3
2.296	2.292	-0.15501	1.001989	3
2.223	2.239	0.83523	0.992707	3
2.282	2.280	-0.22055	1.000807	3
0.839	0.841	0.425077	0.997738	3
1.336	1.335	-2.41799	1.001383	3
1.776	1.893	0.97507	0.938031	3
1.561	1.669	0.980447	0.93541	3
11.206	14.391	0.453829	0.778702	4
4.385	6.292	0.73046	0.696892	4
6.085	9.117	0.652572	0.667448	4
5.262	7.583	0.643977	0.694005	4
5.393	7.585	0.731945	0.71091	4
6.532	9.721	0.649507	0.671945	4
5.831	7.753	0.647021	0.752151	4
5.806	8.045	0.567648	0.721655	4
4.516	6.599	0.813842	0.684369	4
7.082	9.671	0.606645	0.732281	4
5.448	7.572	0.790997	0.719417	4
3.774	5.974	0.831267	0.631703	4
4.515	6.629	0.694019	0.681028	4
5.331	6.408	0.532838	0.832014	4
4.071	4.750	0.487563	0.85716	4
10.635	15.520	0.580617	0.685259	4
11.223	16.376	0.580511	0.68532	4
10.911	15.920	0.580469	0.685345	4
6.647	9.349	0.614474	0.711026	4
4.829	6.912	0.731127	0.698704	4
4.769	5.734	0.532546	0.831677	4
6.271	7.855	0.633382	0.798339	4
6.068	8.291	0.608466	0.731851	4
6.132	9.414	0.706978	0.651311	4
5.721	7.904	0.791009	0.723813	4
3.487	5.601	0.828761	0.622519	4
4.874	7.042	0.625327	0.692137	4
6.097	7.789	0.642453	0.782716	4
4.552	6.950	0.768407	0.654906	4
5.342	7.073	0.623891	0.755186	4

7.078	8.889	0.455828	0.796285	4
6.587	8.792	0.682194	0.749263	4
5.677	8.520	0.652143	0.66628	4
6.470	9.649	0.652157	0.670586	4
6.625	9.173	0.56654	0.722162	4
3.100	5.057	0.838978	0.61293	4
7.408	11.316	0.705865	0.654616	4
3.785	5.751	0.716579	0.658228	4
4.447	7.259	0.843709	0.612652	4
0.826	1.079	0.52931	0.765541	4
11.989	17.494	0.58044	0.685361	4
6.495	8.192	0.632052	0.79285	4
4.536	7.074	0.811037	0.641268	4
6.409	8.521	0.610225	0.752178	4
4.397	5.796	0.736105	0.758629	4
10.204	14.889	0.580456	0.685352	4
4.415	5.911	0.525606	0.747031	4
8.804	11.800	0.525872	0.746059	4
5.409	6.887	0.551635	0.785364	4
5.422	6.214	0.495263	0.872582	4
7.717	12.114	0.738806	0.637033	4
6.054	9.521	0.706968	0.635867	4
5.713	7.361	0.527067	0.77614	4
5.071	6.584	0.736257	0.77021	4
6.415	8.939	0.567488	0.717565	4
7.038	10.539	0.65225	0.667831	4
6.765	10.141	0.704105	0.667147	4
5.557	7.446	0.79276	0.746297	4
4.756	5.716	0.564811	0.832008	4
6.102	8.055	0.647688	0.757539	4
5.703	7.030	0.553369	0.81126	4
7.247	11.702	0.783332	0.619284	4
5.820	6.979	0.364891	0.833917	4
6.265	9.860	0.701351	0.63536	4
7.953	9.112	0.552652	0.872754	4
4.586	5.542	0.578472	0.827395	4
6.459	10.397	0.740455	0.621199	4
2.500	3.647	0.632057	0.685471	4
5.069	7.248	0.596838	0.699342	4
#DIV/0!	0.000	#DIV/0!	#DIV/0!	4
3.013	5.810	0.889305	0.518596	4
2.470	3.662	0.65739	0.674628	4
5.114	9.184	0.892367	0.556792	4
6.083	10.151	0.888419	0.599268	4

6.022	8.058	0.687701	0.747241	4
5.320	7.027	0.618128	0.757159	4
7.955	9.194	0.552969	0.86529	4
4.743	7.362	0.804038	0.644288	4
4.912	7.054	0.731841	0.696322	4
4.149	4.912	0.512612	0.84459	4
6.459	9.733	0.705996	0.663577	4
3.886	6.268	0.808224	0.619926	4
4.397	6.263	0.616849	0.701992	4
7.411	11.399	0.703748	0.650114	4
5.125	7.853	0.679549	0.652665	4
6.550	8.542	0.634409	0.766811	4
4.812	6.110	0.651452	0.787591	4
6.156	8.707	0.603891	0.706957	4
8.198	13.498	0.799327	0.607353	4
4.889	6.387	0.679067	0.765575	4
4.966	6.158	0.570759	0.806435	4
1.390	1.780	0.45427	0.781008	4
5.281	7.068	0.524371	0.74725	4
5.076	8.021	0.819511	0.632863	4
6.080	9.540	0.722593	0.637308	4
5.012	6.004	0.530947	0.834841	4
7.102	8.814	0.635815	0.805742	4
4.922	6.647	0.678337	0.740443	4
7.873	9.098	0.55285	0.865321	4
5.868	8.014	0.791014	0.73212	4
4.746	6.607	0.696862	0.718333	4
6.939	10.928	0.790175	0.634925	4
9.515	16.173	0.766603	0.58836	4
3.527	4.995	0.592072	0.706254	4
5.758	7.224	0.594246	0.797088	4
8.050	12.272	0.738915	0.655914	4
6.397	10.119	0.729283	0.632234	4
4.645	6.836	0.670905	0.67943	4
5.130	7.107	0.629213	0.721833	4
6.294	10.016	0.789951	0.628414	4
3.678	5.387	0.639694	0.682651	4
5.547	7.420	0.793034	0.747601	4
4.081	7.578	0.921561	0.538471	4
3.660	5.925	0.856595	0.617629	4
5.971	9.226	0.706887	0.647161	4
5.984	8.337	0.567105	0.717744	4
3.924	6.437	0.843632	0.609583	4
6.378	8.502	0.628348	0.750227	4

5.002	7.325	0.687174	0.682831	4
4.080	7.935	0.896244	0.514105	4
3.887	5.966	0.806846	0.651581	4
5.013	6.848	0.791212	0.732048	4
6.565	10.044	0.769034	0.653657	4
7.129	9.221	0.624305	0.773121	4
5.731	7.879	0.896301	0.727432	4
5.148	7.697	0.958039	0.66886	4
2.587	4.738	0.836808	0.546061	4
5.148	6.738	0.615251	0.763959	4
6.310	9.936	0.701978	0.635068	4
3.704	4.423	0.541605	0.837439	4
4.872	6.306	0.579034	0.772722	4
4.605	9.042	0.927273	0.509274	4
6.013	8.091	0.725911	0.743101	4
4.007	6.384	0.834618	0.627718	4
6.627	7.656	0.553078	0.865641	4
7.549	9.208	0.370881	0.819873	4
4.379	5.625	0.638567	0.778524	4
7.323	9.397	0.626906	0.779335	4
6.481	10.053	0.656311	0.644633	4
4.496	5.402	0.619821	0.832207	4
5.169	6.509	0.593258	0.794029	4
5.383	6.921	0.644332	0.77773	4
6.290	9.184	0.890289	0.684897	4
6.238	8.579	0.820568	0.72715	4
4.426	6.976	0.822235	0.6345	4
2.320	2.493	0.879428	0.930517	4
4.398	5.575	0.649802	0.788834	4
4.435	6.144	0.740961	0.721881	4
4.171	6.386	0.845572	0.653176	4
6.488	9.480	0.767661	0.684327	4
6.763	9.270	0.577781	0.729583	4
6.563	11.406	0.863828	0.575424	4
4.310	5.449	0.642062	0.790923	4
6.124	9.717	0.668204	0.630214	4
4.577	5.332	0.537205	0.858498	4
3.980	7.426	0.934924	0.535976	4
4.363	7.843	0.879535	0.556349	4
5.929	9.677	0.770149	0.612633	4
3.838	6.043	0.824897	0.635098	4
6.044	8.210	0.765702	0.736208	4
3.867	6.079	0.839822	0.636114	4
5.832	7.916	0.762261	0.7367	4

5.485	9.476	0.909767	0.578782	4
3.655	5.450	0.762221	0.67068	4
6.851	8.319	0.36779	0.823509	4
7.187	9.165	0.615583	0.784139	4
4.501	6.998	0.719899	0.643198	4
5.589	6.965	0.455603	0.802534	4
4.656	6.282	0.635935	0.741224	4
4.925	6.186	0.771781	0.796142	4
5.236	7.555	0.65754	0.69303	4
6.474	8.463	0.689337	0.76501	4
4.317	6.341	0.751524	0.680875	4
5.592	7.215	0.600707	0.775085	4
3.446	5.469	0.846737	0.63013	4
4.579	6.106	0.74159	0.749901	4
6.885	10.901	0.856922	0.631566	4
7.235	12.261	0.882103	0.590031	4
5.903	7.716	0.680434	0.765086	4
4.625	6.019	0.707089	0.768354	4
5.161	7.198	0.786701	0.716936	4
4.031	7.068	0.772484	0.57039	4
7.228	9.388	0.660642	0.769917	4
4.514	5.312	0.512976	0.849808	4
3.808	6.175	0.843522	0.616707	4
4.305	6.628	0.66341	0.64944	4
5.017	6.950	0.831108	0.721818	4
6.547	7.791	0.424372	0.840322	4
3.750	7.410	0.91949	0.506104	4
5.645	7.167	0.614818	0.787588	4
4.750	5.636	0.551662	0.842731	4
6.165	9.535	0.733854	0.646584	4
5.444	7.539	0.905321	0.722031	4
4.696	7.021	0.958164	0.668819	4
4.978	7.898	0.868874	0.63031	4
3.980	5.149	0.641748	0.772993	4
5.696	7.771	0.816859	0.732897	4
5.883	7.986	0.76228	0.736696	4
4.950	6.632	0.527012	0.746381	4
5.684	8.078	0.681558	0.703679	4
4.912	7.039	0.770557	0.697869	4
5.212	6.766	0.792456	0.770361	4
7.231	8.733	0.454241	0.828041	4
6.071	8.084	0.641673	0.750934	4
6.006	7.865	0.754724	0.763649	4
5.408	9.174	0.880306	0.589518	4

4.860	6.251	0.634054	0.777575	4
4.413	5.799	0.657768	0.760991	4
5.837	9.020	0.707013	0.647111	4
5.996	9.774	0.840585	0.613468	4
4.321	6.195	0.698607	0.697451	4
5.115	7.726	0.74343	0.6621	4
5.107	7.522	0.669926	0.678916	4
6.392	7.990	0.699859	0.800028	4
4.520	6.995	0.891412	0.646159	4
6.729	9.760	0.73169	0.68944	4
4.687	6.793	0.673427	0.689937	4
3.247	5.125	0.860969	0.633504	4
7.168	8.776	0.462528	0.816674	4
7.195	8.967	0.463001	0.802388	4
4.561	6.406	0.591001	0.711995	4
5.401	6.548	0.553373	0.824926	4
5.423	9.740	0.891937	0.556789	4
5.097	9.528	0.911654	0.534906	4
2.455	2.448	-44.5113	1.002904	4
5.454	7.204	0.823499	0.757054	4
5.092	6.303	0.62522	0.807802	4
5.887	7.718	0.694197	0.762862	4
6.531	9.231	0.729457	0.707488	4
6.047	8.689	0.946096	0.695983	4
6.842	8.348	0.37143	0.819603	4
4.448	6.035	0.648461	0.736984	4
2.727	3.843	0.608163	0.709676	4
5.519	7.676	0.824515	0.719083	4
6.676	8.244	0.454671	0.809834	4
5.337	8.260	0.879017	0.64604	4
6.865	8.497	0.629231	0.807953	4
5.880	7.127	0.526625	0.825009	4
7.054	8.989	0.636216	0.784732	4
6.121	8.330	0.723327	0.734861	4
4.866	8.187	0.877008	0.594381	4
4.829	6.860	0.688555	0.703921	4
7.120	9.530	0.712589	0.747119	4
5.013	6.585	0.717654	0.761273	4
4.945	5.949	0.438058	0.831275	4
4.194	6.070	0.797582	0.690975	4
5.633	7.448	0.671052	0.756327	4
4.845	6.161	0.553724	0.786441	4
6.089	9.252	0.726863	0.658161	4
5.124	7.923	0.723773	0.64669	4

6.712	9.641	0.751953	0.696136	4
5.120	6.451	0.655978	0.79362	4
5.900	7.869	0.67968	0.749765	4
6.066	11.245	0.90795	0.539461	4
6.211	8.186	0.567691	0.758694	4
5.173	7.359	0.856648	0.702878	4
4.789	6.398	0.646642	0.748594	4
5.700	7.230	0.741689	0.788414	4
6.586	8.299	0.686709	0.793625	4
4.358	8.101	0.921935	0.53793	4
6.317	10.026	0.843388	0.63007	4
1.154	1.902	0.821205	0.606816	4
6.905	9.552	0.653737	0.722916	4
6.739	11.078	0.821146	0.608304	4
4.113	5.322	0.907496	0.772755	4
6.551	8.270	0.500219	0.79214	4
5.183	8.399	0.847123	0.617097	4
6.246	9.029	0.707115	0.691788	4
6.208	8.485	0.769073	0.731637	4
3.701	5.966	0.854176	0.620306	4
6.531	9.012	0.759765	0.724669	4
4.321	7.429	0.841464	0.581608	4
6.619	11.475	0.829165	0.576808	4
5.432	6.781	0.61435	0.801008	4
4.053	6.307	0.758749	0.642552	4
4.416	6.042	0.725843	0.730771	4
5.985	7.476	0.746438	0.80054	4
6.312	7.980	0.63298	0.790953	4
7.895	10.435	0.697101	0.756586	4
5.946	7.324	0.653759	0.811876	4
6.419	10.658	0.812059	0.602253	4
3.766	5.765	0.836764	0.653388	4
6.424	7.744	0.617058	0.829584	4
6.035	7.164	0.697243	0.842404	4
6.503	9.084	0.816376	0.715925	4
4.337	6.260	0.732503	0.692767	4
4.813	7.990	0.848125	0.602338	4
5.758	9.586	0.867681	0.60066	4
4.669	6.138	0.644247	0.760684	4
5.185	6.867	0.604744	0.755038	4
5.912	9.666	0.829486	0.611673	4
3.116	5.222	0.824322	0.596827	4
5.943	9.183	0.706887	0.647161	4
4.135	7.412	0.868245	0.557953	4

1.819	2.733	0.678373	0.665599	4
3.357	5.384	0.768015	0.623493	4
3.747	7.315	0.93891	0.512234	4
7.323	8.682	0.586575	0.843514	4
5.712	8.556	0.810553	0.667573	4
6.912	9.060	0.756174	0.762863	4
5.672	7.132	0.665229	0.795299	4
4.923	7.574	0.866634	0.649949	4
6.136	8.032	0.77129	0.763904	4
3.703	5.303	0.783017	0.698248	4
3.487	5.202	0.76303	0.670354	4
5.276	6.396	0.55337	0.824923	4
5.634	7.366	0.724822	0.764843	4
6.364	8.368	0.622737	0.76052	4
6.574	8.653	0.69438	0.759674	4
6.094	7.718	0.636789	0.789588	4
5.186	9.088	0.832408	0.57064	4
6.858	9.089	0.628344	0.754577	4
4.561	7.004	0.761743	0.6512	4
6.213	7.375	0.697158	0.842428	4
5.298	7.867	0.725382	0.673392	4
5.187	9.332	0.887476	0.555752	4
4.858	7.151	0.672075	0.6794	4
6.272	10.025	0.798071	0.625647	4
5.256	6.528	0.479418	0.805211	4
3.659	4.629	0.73913	0.790476	4
5.228	6.421	0.526869	0.81419	4
1.282	1.290	1745.735	0.994125	4
4.472	5.871	0.748121	0.761653	4
7.655	10.345	0.643367	0.739954	4
6.892	9.412	0.629927	0.732224	4
4.166	7.408	0.848338	0.562394	4
5.993	8.111	0.704625	0.738887	4
6.606	8.110	0.689584	0.814525	4
4.513	5.088	0.51461	0.886999	4
5.744	8.030	0.633906	0.715335	4
4.198	4.804	0.586017	0.873863	4
5.591	9.491	0.774436	0.58905	4
3.009	5.256	0.824235	0.572578	4
5.082	7.640	0.711666	0.66518	4
7.750	11.589	0.779546	0.668732	4
5.295	8.191	0.762171	0.64645	4
6.418	9.054	0.765485	0.708873	4
4.477	6.519	0.761909	0.686689	4

5.659	7.152	0.59617	0.791294	4
4.940	8.728	0.841555	0.565991	4
4.879	6.049	0.579574	0.806488	4
5.667	7.020	0.55339	0.807309	4
3.749	5.038	0.80398	0.744233	4
5.345	7.375	0.69944	0.724742	4
3.189	5.257	0.841444	0.606559	4
6.687	9.772	0.767667	0.684328	4
7.680	10.157	0.674958	0.75611	4
5.809	7.643	0.700598	0.760039	4
6.329	8.541	0.628844	0.741038	4
4.852	6.050	0.737336	0.802064	4
4.702	5.479	0.525019	0.858291	4
6.526	8.935	1.023993	0.73037	4
4.558	7.850	0.827965	0.58058	4
5.399	7.508	0.699045	0.71919	4
5.843	9.076	0.795552	0.643783	4
4.139	5.468	0.700099	0.757024	4
5.780	8.326	0.686979	0.694235	4
4.250	6.202	0.792984	0.685318	4
3.752	5.693	0.891829	0.659053	4
4.628	7.471	0.780094	0.619525	4
4.651	6.722	0.979996	0.691996	4
6.149	8.241	0.754059	0.746118	4
6.261	9.882	0.801669	0.63354	4
5.724	7.891	0.790296	0.725308	4
4.020	5.988	0.824099	0.671418	4
3.992	5.497	0.647179	0.726115	4
4.683	6.273	0.69585	0.746444	4
4.039	5.896	0.787164	0.684945	4
5.343	7.736	0.873556	0.690685	4
2.853	4.420	0.839914	0.645312	4
5.489	7.417	0.799463	0.739998	4
6.283	8.582	0.765721	0.732137	4
3.045	4.030	0.696172	0.755446	4
8.192	12.049	0.760517	0.679884	4
4.358	7.809	0.845553	0.558062	4
4.388	5.873	0.738974	0.747186	4
5.827	8.189	0.610643	0.711608	4
5.924	8.288	0.686792	0.71475	4
4.663	6.890	0.808382	0.676844	4
5.091	6.482	0.766712	0.78544	4
4.036	5.735	0.727983	0.703711	4
4.954	7.411	0.828444	0.668432	4

5.006	7.607	0.812709	0.658066	4
6.506	8.948	0.760012	0.727158	4
6.509	9.007	0.742039	0.722706	4
4.754	5.333	0.583849	0.891462	4
5.258	9.167	0.837682	0.573576	4
4.397	6.079	0.745294	0.723345	4
6.324	9.707	0.813612	0.651524	4
6.617	8.994	0.696595	0.735785	4
5.744	7.902	0.71995	0.726936	4
5.383	7.852	0.828899	0.68561	4
7.085	10.782	0.870003	0.657152	4
4.277	7.156	0.829086	0.59763	4
6.589	9.297	0.722368	0.708764	4
4.110	6.591	0.888999	0.623506	4
8.708	12.099	0.731195	0.719697	4
4.502	6.798	0.824864	0.662322	4
6.302	8.646	0.687633	0.728951	4
5.202	7.245	0.707664	0.718054	4
5.094	8.169	0.802572	0.623596	4
5.337	7.009	0.694734	0.761431	4
3.233	4.925	0.830301	0.656456	4
6.040	8.905	0.730595	0.678302	4
4.936	8.498	0.868189	0.580817	4
6.124	10.020	0.868064	0.611164	4
5.700	8.217	0.840645	0.693623	4
4.269	4.917	0.688311	0.868054	4
4.403	4.926	0.536285	0.893856	4
4.785	7.007	0.829089	0.682977	4
6.131	8.887	0.6584	0.689878	4
8.246	11.532	0.734239	0.715061	4
4.448	5.477	0.736955	0.812029	4
4.681	5.791	0.687642	0.808342	4
5.066	8.736	0.823215	0.579935	4
4.561	6.068	0.731607	0.751616	4
3.990	5.191	0.807703	0.768748	4
2.948	3.767	0.642687	0.782462	4
5.732	8.884	0.882293	0.645257	4
8.550	11.912	0.784271	0.717723	4
6.740	9.612	0.746087	0.701215	4
5.600	8.291	0.862013	0.675358	4
9.566	13.425	0.747477	0.712519	4
4.199	4.808	0.581115	0.873375	4
5.725	8.858	0.840198	0.646262	4
7.103	10.745	0.787922	0.661106	4

5.537	6.152	0.625013	0.899969	4
4.117	5.540	0.870585	0.743137	4
5.120	7.822	0.753848	0.654545	4
4.440	7.517	0.858139	0.590668	4
5.984	8.712	0.790609	0.68693	4
6.001	9.038	0.72237	0.663934	4
6.230	7.509	0.628582	0.829753	4
4.611	6.758	0.899899	0.682328	4
4.901	6.944	0.608964	0.705731	4
4.325	6.192	0.721588	0.698423	4
4.521	6.477	0.769996	0.697949	4
8.880	12.141	0.744276	0.731428	4
4.219	5.777	0.83565	0.730258	4
8.195	8.984	0.737519	0.912159	4
4.194	5.517	0.913883	0.760108	4
6.349	8.909	0.747946	0.712589	4
4.999	6.727	0.762539	0.743109	4
5.646	7.415	0.720814	0.761461	4
14.621	20.438	0.726822	0.715348	4
5.060	7.586	0.751882	0.667094	4
5.825	7.542	0.818435	0.772426	4
5.058	5.667	0.514712	0.892676	4
6.219	9.355	0.791305	0.664697	4
6.349	9.708	0.825994	0.654015	4
4.705	5.318	0.600962	0.884571	4
3.273	3.419	0.384868	0.957358	4
7.824	10.993	0.739638	0.711656	4
8.716	9.508	0.737519	0.916648	4
6.103	7.658	0.732738	0.796933	4
6.545	9.092	0.70611	0.719899	4
3.300	3.884	0.653802	0.849761	4
7.941	11.528	0.764506	0.688803	4
12.481	13.375	0.508538	0.933188	4
4.501	6.726	0.715086	0.669163	4
5.823	8.641	0.778423	0.673814	4
6.857	8.372	0.698729	0.819027	4
4.591	5.441	0.638716	0.843794	4
3.798	6.131	0.873596	0.619437	4
6.181	7.957	0.686693	0.776784	4
4.545	6.405	0.699897	0.709678	4
6.567	10.136	0.853616	0.64788	4
6.307	8.453	0.754023	0.746134	4
4.540	7.822	0.87562	0.580409	4
11.496	12.392	0.48891	0.927718	4

3.990	5.420	0.853213	0.736262	4
4.623	7.174	0.870514	0.644334	4
5.767	7.574	0.694739	0.76143	4
4.749	6.084	0.649297	0.780459	4
5.528	6.156	0.669659	0.897849	4
8.645	8.199	1.012485	1.054391	4
4.903	5.609	0.62585	0.874108	4
10.312	12.868	0.771566	0.801412	4
5.130	9.077	0.828279	0.565183	4
5.298	8.948	0.801992	0.592081	4
5.938	8.898	0.887955	0.667333	4
5.597	7.794	0.813998	0.718106	4
3.912	4.301	0.706409	0.909561	4
4.445	7.178	0.847944	0.619153	4
2.041	2.812	0.876394	0.72581	4
5.009	6.183	0.759984	0.81011	4
5.664	8.059	0.802285	0.702735	4
3.678	4.041	0.611398	0.910091	4
4.409	5.257	0.746315	0.838769	4
7.364	11.303	0.772871	0.651467	4
5.214	5.991	0.959654	0.870189	4
8.652	12.295	0.76821	0.703664	4
6.228	8.302	0.807357	0.750205	4
7.549	10.728	0.770591	0.703635	4
7.740	10.846	0.73424	0.713686	4
3.325	5.160	0.827479	0.644353	4
13.353	19.090	0.806766	0.699497	4
6.485	8.747	0.703266	0.741371	4
8.274	11.928	0.74508	0.693704	4
4.954	6.451	0.642893	0.767931	4
5.526	8.129	0.805887	0.679775	4
5.972	8.763	0.765472	0.681455	4
4.538	6.249	0.829325	0.726113	4
4.688	5.275	0.670103	0.888683	4
5.437	7.212	0.69166	0.75389	4
6.444	9.293	0.877846	0.693351	4
3.065	5.569	0.8998	0.550298	4
4.805	5.506	0.747817	0.872785	4
7.644	10.983	0.849299	0.69594	4
4.130	6.175	0.868623	0.668829	4
7.652	10.804	0.67777	0.708276	4
4.342	4.764	0.504042	0.911401	4
4.156	7.004	0.859013	0.593337	4
8.822	10.952	0.460205	0.805492	4

3.869	5.303	0.752274	0.729448	4
4.437	6.979	0.941359	0.635799	4
5.659	9.029	0.849611	0.626729	4
6.460	6.744	0.625006	0.957887	4
9.401	12.355	0.673164	0.760948	4
4.870	5.580	0.610846	0.872768	4
5.541	8.764	0.780167	0.63231	4
4.217	4.631	0.446835	0.910432	4
9.817	10.699	0.491325	0.917605	4
6.128	9.060	0.817045	0.676393	4
5.171	7.236	0.787893	0.714633	4
5.730	8.624	0.84729	0.66449	4
5.415	8.664	0.92256	0.624949	4
4.556	4.975	0.531425	0.915676	4
5.303	5.754	0.500749	0.921575	4
8.291	11.638	0.758162	0.712429	4
6.955	9.274	0.743016	0.75	4
5.335	7.174	0.723342	0.743658	4
11.327	15.391	0.71526	0.735918	4
6.010	7.987	0.756633	0.752435	4
5.497	6.594	0.669602	0.833676	4
4.594	6.567	0.86313	0.69952	4
7.296	10.243	0.752607	0.712317	4
7.158	9.733	0.805329	0.735431	4
4.570	7.467	0.877278	0.612078	4
4.530	4.669	0.747586	0.970271	4
4.595	6.353	0.74538	0.723306	4
6.303	8.365	0.683877	0.753474	4
6.018	7.464	0.628291	0.806242	4
5.553	8.129	0.894742	0.683077	4
7.931	11.460	0.780954	0.692021	4
5.984	6.411	0.624999	0.93338	4
4.832	6.606	0.987868	0.731433	4
3.286	3.509	0.451057	0.936508	4
4.866	7.628	0.827098	0.637937	4
7.228	10.689	0.833586	0.676189	4
4.608	5.213	0.718429	0.883992	4
6.279	6.728	0.625013	0.933281	4
1.901	1.863	-29.7864	1.020524	4
3.992	5.530	0.748949	0.72196	4
8.496	11.940	0.750416	0.71152	4
7.585	11.260	0.745255	0.67358	4
4.466	5.042	0.672239	0.885847	4
7.323	10.449	0.741088	0.700814	4

10.897	11.744	0.487912	0.927861	4
6.458	9.316	0.815776	0.693272	4
4.804	7.712	0.85326	0.622948	4
6.308	9.076	0.817074	0.694973	4
6.605	8.683	0.689892	0.760669	4
5.375	7.128	0.815587	0.754	4
3.676	4.980	0.86499	0.738092	4
5.176	5.778	0.608912	0.89586	4
7.299	8.634	0.698691	0.845428	4
1.811	1.775	-29.9567	1.02062	4
7.498	8.889	0.71476	0.843514	4
6.435	7.857	0.698696	0.819036	4
3.356	3.510	0.42255	0.956077	4
8.783	11.457	0.704	0.766544	4
4.537	5.155	0.735091	0.880109	4
7.210	7.816	0.511091	0.922486	4
4.810	5.216	0.496699	0.922261	4
4.207	5.529	0.82516	0.761035	4
5.178	5.836	0.520936	0.887169	4
3.929	4.487	0.665989	0.875627	4
3.564	4.144	0.742575	0.860113	4
6.988	8.556	0.698707	0.816766	4
5.146	7.173	0.795455	0.717422	4
5.862	6.312	0.515041	0.92883	4
7.340	9.692	0.701125	0.757285	4
4.302	5.072	0.637923	0.848131	4
6.352	9.186	0.862412	0.691404	4
6.308	7.565	0.682081	0.833741	4
6.038	6.564	0.524106	0.919845	4
3.342	3.489	0.384876	0.957919	4
3.905	4.960	0.747977	0.78732	4
7.480	10.752	0.798231	0.69568	4
3.796	4.827	0.698061	0.786416	4
5.545	7.956	0.78672	0.696907	4
9.714	12.877	0.661652	0.754385	4
5.196	6.892	0.743374	0.753898	4
5.710	6.536	0.671424	0.873605	4
6.519	6.818	0.801149	0.956081	4
5.948	6.477	0.525708	0.918333	4
5.678	7.546	0.834874	0.752439	4
6.138	8.650	0.869834	0.709643	4
4.727	6.491	0.815791	0.728205	4
9.484	13.155	0.727482	0.720929	4
6.355	8.645	0.815582	0.735142	4

2.583	2.858	0.741738	0.903575	4
5.267	6.066	0.671345	0.868306	4
6.330	9.179	0.942107	0.689672	4
5.124	8.027	0.905287	0.638403	4
3.661	4.940	0.827235	0.740928	4
3.002	3.163	0.796973	0.949067	4
1.669	1.636	-29.8048	1.02047	4
7.946	9.002	0.814086	0.882756	4
2.463	2.666	0.637634	0.923674	4
5.298	5.743	0.502324	0.922455	4
5.566	9.011	0.885577	0.617755	4
5.463	6.536	0.68074	0.835893	4
3.666	3.827	0.590798	0.957946	4
1.177	1.179	-1977.02	0.998681	4
4.182	6.302	0.719963	0.66365	4
1.895	2.047	0.868153	0.926071	4
6.437	9.071	0.869834	0.709634	4
4.237	7.009	0.839327	0.604489	4
4.710	5.416	0.730879	0.869803	4
6.186	8.424	0.754948	0.734334	4
3.328	3.491	0.791569	0.953221	4
4.625	5.758	0.759099	0.803177	4
5.646	7.601	0.76341	0.742738	4
4.841	5.367	0.662996	0.902095	4
4.252	5.655	0.77715	0.751899	4
8.355	9.306	0.765064	0.897781	4
2.920	3.082	0.701708	0.947496	4
2.954	3.427	0.688511	0.86196	4
1.379	1.389	85.84136	0.992926	4
5.248	6.065	0.67136	0.865226	4
5.563	6.395	0.783228	0.869858	4
5.143	6.280	0.750133	0.819034	4
3.660	4.038	0.531957	0.906538	4
5.222	8.357	0.866687	0.624904	4
9.669	12.861	0.702463	0.751796	4
5.845	7.126	0.662937	0.820303	4
3.445	3.749	0.748609	0.918786	4
3.744	4.260	0.558733	0.879007	4
5.220	7.207	0.822862	0.724321	4
7.165	9.603	0.744866	0.746072	4
5.007	6.372	0.825433	0.78565	4
3.276	3.919	0.671663	0.836018	4
7.565	10.396	0.824575	0.727634	4
8.407	10.269	0.810103	0.818663	4

4.755	5.986	0.76204	0.794413	4
2.061	2.122	0.650768	0.971055	4
1.468	1.489	79.72314	0.985588	4
6.758	8.161	0.858384	0.828089	4
6.272	7.148	0.983702	0.877537	4
1.565	1.534	-1574.72	1.020656	4
4.202	5.277	0.707105	0.796306	4
5.869	6.699	0.709936	0.875994	4
2.623	2.783	0.735896	0.942487	4
1.149	1.153	12.4498	0.997286	4
4.136	6.077	0.819526	0.680588	4
1.564	1.451	-207.855	1.077853	4
1.773	1.755	-2674.68	1.010125	4
5.803	6.807	0.927781	0.852463	4
4.434	4.806	0.570061	0.922529	4
1.226	1.209	-28.1071	1.014214	4
4.716	6.896	0.917971	0.683889	4
6.100	7.975	0.907253	0.76486	4
1.359	1.352	-2.24639	1.005859	4
5.619	7.345	0.835311	0.765028	4
5.550	7.466	0.89379	0.743408	4
4.866	6.932	0.898749	0.701991	4
5.948	8.014	0.790235	0.742291	4
4.939	6.983	0.843104	0.70737	4
4.715	7.106	0.837912	0.663517	4
6.499	8.172	0.805386	0.795323	4
3.074	3.179	0.554427	0.967071	4
0.906	0.914	0.851118	0.990343	4
4.026	4.618	0.765099	0.871934	4
1.492	1.231	-680.068	1.211293	4
3.218	3.581	0.744422	0.898596	4
1.386	1.448	121.1471	0.957288	4
5.343	5.651	0.878945	0.945394	4
4.156	4.177	0.625707	0.994838	4
1.577	1.552	-17.4049	1.015627	4
4.304	4.958	0.957154	0.868017	4
2.828	2.963	0.70053	0.954631	4
4.344	4.390	0.710834	0.989425	4
4.064	4.081	0.63417	0.995669	4
3.744	3.747	0.461263	0.99911	4
3.930	5.903	0.876797	0.665762	4
1.726	1.699	-11.5585	1.016336	4
7.066	7.430	0.800032	0.951103	4
5.471	6.045	0.886698	0.905034	4

4.896	4.894	0.82582	1.000241	4
4.737	4.792	0.840416	0.988543	4
4.067	4.899	0.6872	0.830171	4
4.037	5.760	0.900812	0.700911	4
1.740	1.719	-4.07883	1.011946	4
4.122	4.080	0.824482	1.010246	4
4.503	4.499	0.850361	1.000879	4
5.944	6.808	0.855102	0.873098	4
1.474	1.487	0.864203	0.991194	4
1.355	1.365	36.19653	0.992288	4
1.265	1.257	-2.03218	1.005968	4
1.903	1.892	-2.24301	1.00585	4
0.899	0.908	0.847061	0.990373	4
5.892	6.503	0.853634	0.906077	4
2.084	2.232	0.758548	0.933788	4
1.327	1.313	-2.70417	1.010318	4
4.027	4.195	0.808946	0.960024	4
4.467	5.075	0.750085	0.880275	4
1.674	1.640	-21.308	1.020343	4
1.853	1.981	0.879323	0.935424	4
1.675	1.672	-0.45156	1.001872	4
1.401	1.390	-18.3947	1.007714	4
1.253	1.253	1075.811	0.999988	4
4.011	4.000	-0.13633	1.002855	4
1.312	1.342	43.38071	0.977541	4
0.810	0.807	-1.07653	1.00278	4
2.234	2.234	-0.0733	1.000269	4
0.992	0.971	-25.3243	1.02185	4
1.153	1.154	0.754534	0.999517	4
1.364	1.350	-14.5823	1.010343	4
0.519	0.524	0.880511	0.989564	4
1.673	1.683	0.849259	0.993575	4

QTR 4 AMMS				
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420030064	PA	Pennsylvania	Allegheny	56.7147
261630033	MI	Michigan	Wayne	39.4796
390350038	OH	Ohio	Cuyahoga	39.4552
420030093	PA	Pennsylvania	Allegheny	39.108
261630016	MI	Michigan	Wayne	38.9888
390350060	OH	Ohio	Cuyahoga	37.7751
170311016	IL	Illinois	Cook	37.5796
540090011	WV	West Virginia	Brooke	37.5715
261630019	MI	Michigan	Wayne	37.3402
10730023	AL	Alabama	Jefferson	36.9645
171191007	IL	Illinois	Madison	36.5937
261470005	MI	Michigan	St Clair	36.2326
420070014	PA	Pennsylvania	Beaver	36.2073
550790043	WI	Wisconsin	Milwaukee	36.2056
420710007	PA	Pennsylvania	Lancaster	35.978
180970081	IN	Indiana	Marion	35.8506
180970043	IN	Indiana	Marion	35.7562
180970066	IN	Indiana	Marion	35.7338
420030116	PA	Pennsylvania	Allegheny	35.5936
261630015	MI	Michigan	Wayne	35.5505
550790010	WI	Wisconsin	Milwaukee	35.4741
340172002	NJ	New Jersey	Hudson	35.4628
10732003	AL	Alabama	Jefferson	35.307
390618001	OH	Ohio	Hamilton	35.2874
171190023	IL	Illinois	Madison	35.1056
261610008	MI	Michigan	Washtenaw	35.052
420031008	PA	Pennsylvania	Allegheny	35.0445
170313103	IL	Illinois	Cook	35.0373
261250001	MI	Michigan	Oakland	35.0093
170313301	IL	Illinois	Cook	34.9689
180890022	IN	Indiana	Lake	34.9383
170310052	IL	Illinois	Cook	34.9357
390350065	OH	Ohio	Cuyahoga	34.9144
390350045	OH	Ohio	Cuyahoga	34.798
390811001	OH	Ohio	Jefferson	34.5603
261150005	MI	Michigan	Monroe	34.4549
390170003	OH	Ohio	Butler	34.4017
420210011	PA	Pennsylvania	Cambria	34.3082
390851001	OH	Ohio	Lake	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076
180970078	IN	Indiana	Marion	34.1567
170316005	IL	Illinois	Cook	34.1223
261630036	MI	Michigan	Wayne	34.0794

180890026	IN	Indiana	Lake	34.0785
550790099	WI	Wisconsin	Milwaukee	34.0458
180970083	IN	Indiana	Marion	34.0273
420031301	PA	Pennsylvania	Allegheny	33.9507
420030008	PA	Pennsylvania	Allegheny	33.868
420110011	PA	Pennsylvania	Berks	33.769
550090005	WI	Wisconsin	Brown	33.7296
391130032	OH	Ohio	Montgomery	33.6761
390617001	OH	Ohio	Hamilton	33.6608
170312001	IL	Illinois	Cook	33.6183
550790026	WI	Wisconsin	Milwaukee	33.617
390810017	OH	Ohio	Jefferson	33.4572
390350027	OH	Ohio	Cuyahoga	33.4512
390170017	OH	Ohio	Butler	33.4192
171192009	IL	Illinois	Madison	33.3986
421330008	PA	Pennsylvania	York	33.3762
360610056	NY	New York	New York	33.3656
191630019	IA	Iowa	Scott	33.287
180372001	IN	Indiana	Dubois	33.2646
170310022	IL	Illinois	Cook	33.2552
390610014	OH	Ohio	Hamilton	33.2323
245100049	MD	Maryland	Baltimore City	33.2312
191390015	IA	Iowa	Muscatine	33.2251
390610006	OH	Ohio	Hamilton	33.1992
390490025	OH	Ohio	Franklin	33.1357
391530017	OH	Ohio	Summit	33.1224
550090009	WI	Wisconsin	Brown	33.1217
180190006	IN	Indiana	Clark	33.1122
390490024	OH	Ohio	Franklin	33.1105
471251009	TN	Tennessee	Montgomery	33.0936
180830004	IN	Indiana	Knox	33.0866
360050080	NY	New York	Bronx	33.0557
170310076	IL	Illinois	Cook	33.0485
245100040	MD	Maryland	Baltimore City	33.0423
261630001	MI	Michigan	Wayne	32.9638
261630039	MI	Michigan	Wayne	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203
181570008	IN	Indiana	Tippecanoe	32.8932
390950024	OH	Ohio	Lucas	32.879
420030095	PA	Pennsylvania	Allegheny	32.8446
390171004	OH	Ohio	Butler	32.6908
390610042	OH	Ohio	Hamilton	32.6599
170310057	IL	Illinois	Cook	32.6023
550250047	WI	Wisconsin	Dane	32.5552

540291004	WV	West Virginia	Hancock	32.5374
180970079	IN	Indiana	Marion	32.504
360610128	NY	New York	New York	32.4869
551330027	WI	Wisconsin	Waukesha	32.4125
420033007	PA	Pennsylvania	Allegheny	32.3987
391510017	OH	Ohio	Stark	32.3813
390350034	OH	Ohio	Cuyahoga	32.3575
390170016	OH	Ohio	Butler	32.347
550790059	WI	Wisconsin	Milwaukee	32.3407
340390004	NJ	New Jersey	Union	32.3397
171971002	IL	Illinois	Will	32.3025
245100035	MD	Maryland	Baltimore City	32.2968
295100087	MO	Missouri	St Louis City	32.284
260810020	MI	Michigan	Kent	32.283
181670023	IN	Indiana	Vigo	32.2801
180970042	IN	Indiana	Marion	32.2618
420039002	PA	Pennsylvania	Allegheny	32.2493
340171003	NJ	New Jersey	Hudson	32.2328
391130031	OH	Ohio	Montgomery	32.2096
390610043	OH	Ohio	Hamilton	32.2045
391530023	OH	Ohio	Summit	32.199
391550007	OH	Ohio	Trumbull	32.1497
181670018	IN	Indiana	Vigo	32.1464
421290008	PA	Pennsylvania	Westmoreland	32.1087
171193007	IL	Illinois	Madison	32.0996
210590005	KY	Kentucky	Daviess	32.0821
260990009	MI	Michigan	Macomb	32.0477
540391005	WV	West Virginia	Kanawha	32.0005
540090005	WV	West Virginia	Brooke	31.9994
181630006	IN	Indiana	Vanderburgh	31.9818
131210039	GA	Georgia	Fulton	31.8689
390990014	OH	Ohio	Mahoning	31.8478
211110044	KY	Kentucky	Jefferson	31.808
390950025	OH	Ohio	Lucas	31.7849
171630010	IL	Illinois	St Clair	31.7365
390230005	OH	Ohio	Clark	31.7239
360610079	NY	New York	New York	31.6802
291831002	MO	Missouri	St Charles	31.667
360290005	NY	New York	Erie	31.6402
211110048	KY	Kentucky	Jefferson	31.595
170310050	IL	Illinois	Cook	31.5903
390610040	OH	Ohio	Hamilton	31.5552
420410101	PA	Pennsylvania	Cumberland	31.4722
420770004	PA	Pennsylvania	Lehigh	31.4557

211110043	KY	Kentucky	Jefferson	31.4228
240032002	MD	Maryland	Anne Arundel	31.4132
390950026	OH	Ohio	Lucas	31.4068
245100008	MD	Maryland	Baltimore City	31.3993
180890006	IN	Indiana	Lake	31.39
172010013	IL	Illinois	Winnebago	31.3853
360050110	NY	New York	Bronx	31.3625
540330003	WV	West Virginia	Harrison	31.3404
550430009	WI	Wisconsin	Grant	31.2809
360610062	NY	New York	New York	31.2713
170890007	IL	Illinois	Kane	31.2316
290990012	MO	Missouri	Jefferson	31.2301
295100007	MO	Missouri	St Louis City	31.2169
180390003	IN	Indiana	Elkhart	31.1719
350130017	NM	New Mexico	Dona Ana	31.1011
420290100	PA	Pennsylvania	Chester	31.0776
261390005	MI	Michigan	Ottawa	31.068
181630012	IN	Indiana	Vanderburgh	31.0673
11130001	AL	Alabama	Russell	31.0533
421255001	PA	Pennsylvania	Washington	31.0518
471650007	TN	Tennessee	Sumner	31.0456
170434002	IL	Illinois	Du Page	31.0148
540490006	WV	West Virginia	Marion	30.9768
191032001	IA	Iowa	Johnson	30.9645
210290006	KY	Kentucky	Bullitt	30.9635
50350005	AR	Arkansas	Crittenden	30.9046
540110006	WV	West Virginia	Cabell	30.9045
470930028	TN	Tennessee	Knox	30.894
90091123	CT	Connecticut	New Haven	30.8164
261630025	MI	Michigan	Wayne	30.8057
295100085	MO	Missouri	St Louis City	30.7654
470370023	TN	Tennessee	Davidson	30.7599
180030004	IN	Indiana	Allen	30.7316
180892010	IN	Indiana	Lake	30.7254
340390006	NJ	New Jersey	Union	30.7045
390351002	OH	Ohio	Cuyahoga	30.6557
180890031	IN	Indiana	Lake	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424
540030003	WV	West Virginia	Berkeley	30.6005
420850100	PA	Pennsylvania	Mercer	30.5722
340030003	NJ	New Jersey	Bergen	30.5567
261210040	MI	Michigan	Muskegon	30.5552
170314007	IL	Illinois	Cook	30.5547
211451004	KY	Kentucky	McCracken	30.5375

171670012	IL	Illinois	Sangamon	30.4933
181470009	IN	Indiana	Spencer	30.4614
391351001	OH	Ohio	Preble	30.4372
360470122	NY	New York	Kings	30.4349
171150013	IL	Illinois	Macon	30.3816
360010005	NY	New York	Albany	30.3575
540610003	WV	West Virginia	Monongalia	30.3574
110010041	DC	D.C.	Washington	30.3458
190450021	IA	Iowa	Clinton	30.3451
181630016	IN	Indiana	Vanderburgh	30.332
211170007	KY	Kentucky	Kenton	30.293
171132003	IL	Illinois	McLean	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511
180431004	IN	Indiana	Floyd	30.2473
340130015	NJ	New Jersey	Essex	30.2385
550870009	WI	Wisconsin	Outagamie	30.2367
541071002	WV	West Virginia	Wood	30.1936
171634001	IL	Illinois	St Clair	30.1897
360291007	NY	New York	Erie	30.1758
420490003	PA	Pennsylvania	Erie	30.1721
420270100	PA	Pennsylvania	Centre	30.1664
291892003	MO	Missouri	St Louis	30.1493
295100086	MO	Missouri	St Louis City	30.1476
420030021	PA	Pennsylvania	Allegheny	30.134
10731005	AL	Alabama	Jefferson	30.1267
260050003	MI	Michigan	Allegan	30.1099
550890009	WI	Wisconsin	Ozaukee	30.0832
132450005	GA	Georgia	Richmond	30.0775
130630091	GA	Georgia	Clayton	30.0141
90010010	CT	Connecticut	Fairfield	29.9964
390250022	OH	Ohio	Clermont	29.9273
170890003	IL	Illinois	Kane	29.9254
170971007	IL	Illinois	Lake	29.9098
540390010	WV	West Virginia	Kanawha	29.8974
180950009	IN	Indiana	Madison	29.8967
181410014	IN	Indiana	St Joseph	29.8913
130950007	GA	Georgia	Dougherty	29.8891
391330002	OH	Ohio	Portage	29.8719
240053001	MD	Maryland	Baltimore	29.8617
360632008	NY	New York	Niagara	29.8575
131150005	GA	Georgia	Floyd	29.8494
390990005	OH	Ohio	Mahoning	29.849
261610005	MI	Michigan	Washtenaw	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949

340071007	NJ	New Jersey	Camden	29.7935
420030067	PA	Pennsylvania	Allegheny	29.7877
191630018	IA	Iowa	Scott	29.7499
470370036	TN	Tennessee	Davidson	29.6939
210470006	KY	Kentucky	Christian	29.6878
560330002	WY	Wyoming	Sheridan	29.6835
170831001	IL	Illinois	Jersey	29.6819
511071005	VA	Virginia	Loudoun	29.6445
340310005	NJ	New Jersey	Passaic	29.6245
360810124	NY	New York	Queens	29.619
170650002	IL	Illinois	Hamilton	29.604
180892004	IN	Indiana	Lake	29.6027
181411008	IN	Indiana	St Joseph	29.5949
421250005	PA	Pennsylvania	Washington	29.5898
291890004	MO	Missouri	St Louis	29.573
180891003	IN	Indiana	Lake	29.5534
51191005	AR	Arkansas	Pulaski	29.5365
240031003	MD	Maryland	Anne Arundel	29.5073
100032004	DE	Delaware	New Castle	29.5057
340392003	NJ	New Jersey	Union	29.4956
51191004	AR	Arkansas	Pulaski	29.4936
391450013	OH	Ohio	Scioto	29.4899
133190001	GA	Georgia	Wilkinson	29.4533
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171430037	IL	Illinois	Peoria	29.3842
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550590019	WI	Wisconsin	Kenosha	29.3406
340070003	NJ	New Jersey	Camden	29.3183
10550010	AL	Alabama	Etowah	29.3121
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132150008	GA	Georgia	Muscogee	29.2635
550270007	WI	Wisconsin	Dodge	29.2495
110010042	DC	D.C.	Washington	29.247
212270007	KY	Kentucky	Warren	29.2278
180890027	IN	Indiana	Lake	29.1886
401359015	OK	Oklahoma	Sequoyah	29.1744
340410006	NJ	New Jersey	Warren	29.1404
240430009	MD	Maryland	Washington	29.139
360850055	NY	New York	Richmond	29.1239
210930006	KY	Kentucky	Hardin	29.0935
180350006	IN	Indiana	Delaware	29.0772
390933002	OH	Ohio	Lorain	29.0611
130670003	GA	Georgia	Cobb	29.0528

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421010024	PA	Pennsylvania	Philadelphia	28.9896
180670003	IN	Indiana	Howard	28.9869
11210002	AL	Alabama	Talladega	28.9807
90090027	CT	Connecticut	New Haven	28.9783
470931017	TN	Tennessee	Knox	28.9379
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470450004	TN	Tennessee	Dyer	28.8698
471570047	TN	Tennessee	Shelby	28.866
420010001	PA	Pennsylvania	Adams	28.8658
10731009	AL	Alabama	Jefferson	28.843
181270020	IN	Indiana	Porter	28.7963
245100007	MD	Maryland	Baltimore City	28.7875
510590030	VA	Virginia	Fairfax	28.7718
110010043	DC	D.C.	Washington	28.7591
510595001	VA	Virginia	Fairfax	28.7111
210190017	KY	Kentucky	Boyd	28.7107
517750010	VA	Virginia	Salem City	28.7054
510130020	VA	Virginia	Arlington	28.6985
250132009	MA	Massachusetts	Hampden	28.6727
291860006	MO	Missouri	Ste Genevieve	28.6659
130210007	GA	Georgia	Bibb	28.6629
211010014	KY	Kentucky	Henderson	28.5922
180650003	IN	Indiana	Henry	28.5778
180910011	IN	Indiana	La Porte	28.566
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471410001	TN	Tennessee	Putnam	28.5037
210670014	KY	Kentucky	Fayette	28.4959
540390011	WV	West Virginia	Kanawha	28.4882
471192007	TN	Tennessee	Maury	28.4866
390490081	OH	Ohio	Franklin	28.4791
390870010	OH	Ohio	Lawrence	28.4789
211110051	KY	Kentucky	Jefferson	28.4753
132450091	GA	Georgia	Richmond	28.4729
51190007	AR	Arkansas	Pulaski	28.4609
90090026	CT	Connecticut	New Haven	28.3705
171110001	IL	Illinois	McHenry	28.3571
260770008	MI	Michigan	Kalamazoo	28.3562
90092123	CT	Connecticut	New Haven	28.3125
260170014	MI	Michigan	Bay	28.3084
180030014	IN	Indiana	Allen	28.2662
171613002	IL	Illinois	Rock Island	28.2586
90011123	CT	Connecticut	Fairfield	28.2557

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170190004	IL	Illinois	Champaign	28.2306
510591005	VA	Virginia	Fairfax	28.2093
471570038	TN	Tennessee	Shelby	28.2087
131210032	GA	Georgia	Fulton	28.2012
470650031	TN	Tennessee	Hamilton	28.1941
250130016	MA	Massachusetts	Hampden	28.1824
10731010	AL	Alabama	Jefferson	28.181
470370025	TN	Tennessee	Davidson	28.1484
540511002	WV	West Virginia	Marshall	28.1278
470090011	TN	Tennessee	Blount	28.1145
181270024	IN	Indiana	Porter	28.1118
170010006	IL	Illinois	Adams	28.0978
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560131003	WY	Wyoming	Fremont	28.068
500210002	VT	Vermont	Rutland	28.0644
130892001	GA	Georgia	De Kalb	28.0607
130670004	GA	Georgia	Cobb	28.048
471570014	TN	Tennessee	Shelby	28.019
450630008	SC	South Carolin	Lexington	28.0117
245100006	MD	Maryland	Baltimore City	27.9999
191532520	IA	Iowa	Polk	27.9863
10732006	AL	Alabama	Jefferson	27.98
190130008	IA	Iowa	Black Hawk	27.9591
10890014	AL	Alabama	Madison	27.9485
210670012	KY	Kentucky	Fayette	27.9406
10735002	AL	Alabama	Jefferson	27.9194
280670002	MS	Mississippi	Jones	27.865
471050108	TN	Tennessee	Loudon	27.8502
450790019	SC	South Carolin	Richland	27.8414
260210014	MI	Michigan	Berrien	27.8216
170314201	IL	Illinois	Cook	27.7946
280810005	MS	Mississippi	Lee	27.794
100031012	DE	Delaware	New Castle	27.7536
191630015	IA	Iowa	Scott	27.7496
401431127	OK	Oklahoma	Tulsa	27.7317
240338003	MD	Maryland	Prince Georges	27.7109
210730006	KY	Kentucky	Franklin	27.7065
132150001	GA	Georgia	Muscogee	27.6972
340230006	NJ	New Jersey	Middlesex	27.682
240051007	MD	Maryland	Baltimore	27.6606
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550710007	WI	Wisconsin	Manitowoc	27.5811
191130037	IA	Iowa	Linn	27.5738

482011035	TX	Texas	Harris	27.5693
280870001	MS	Mississippi	Lowndes	27.5532
240030014	MD	Maryland	Anne Arundel	27.5338
470654002	TN	Tennessee	Hamilton	27.5322
401010169	OK	Oklahoma	Muskogee	27.4531
11170006	AL	Alabama	Shelby	27.4417
260490021	MI	Michigan	Genesee	27.4275
51450001	AR	Arkansas	White	27.4201
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170191001	IL	Illinois	Champaign	27.2942
471071002	TN	Tennessee	Mc Minn	27.2789
50450002	AR	Arkansas	Faulkner	27.2725
517700014	VA	Virginia	Roanoke City	27.2612
181412004	IN	Indiana	St Joseph	27.2447
180910012	IN	Indiana	La Porte	27.2372
261450018	MI	Michigan	Saginaw	27.2308
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370350004	NC	North Carolin	Catawba	27.2
250035001	MA	Massachusetts	Berkshire	27.1852
90092008	CT	Connecticut	New Haven	27.1796
420990301	PA	Pennsylvania	Perry	27.161
11010007	AL	Alabama	Montgomery	27.1552
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471571004	TN	Tennessee	Shelby	26.9246
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390090003	OH	Ohio	Athens	26.8645
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361030001	NY	New York	Suffolk	26.791
450450009	SC	South Carolin	Greenville	26.7194
281490004	MS	Mississippi	Warren	26.7141
51070001	AR	Arkansas	Phillips	26.654
132230003	GA	Georgia	Paulding	26.6372

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370010002	NC	North Carolin	Alamance	26.6054
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540690010	WV	West Virginia	Ohio	26.3098
10970002	AL	Alabama	Mobile	26.2715
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51390006	AR	Arkansas	Union	26.195
370810013	NC	North Carolin	Guilford	26.1686
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211950002	KY	Kentucky	Pike	26.0567
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240313001	MD	Maryland	Montgomery	25.832
370510009	NC	North Carolin	Cumberland	25.8117
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191970004	IA	Iowa	Wright	25.6775
191550009	IA	Iowa	Pottawattamie	25.6621
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221210001	LA	Louisiana	West Baton Roug	25.6541
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271230866	MN	Minnesota	Ramsey	25.5932
11250004	AL	Alabama	Tuscaloosa	25.5818
131390003	GA	Georgia	Hall	25.5753
440070026	RI	Rhode Island	Providence	25.5404
191770006	IA	Iowa	Van Buren	25.5369
210130002	KY	Kentucky	Bell	25.4885
360850067	NY	New York	Richmond	25.4642
131530001	GA	Georgia	Houston	25.4555
280490010	MS	Mississippi	Hinds	25.4471
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482150043	TX	Texas	Hidalgo	24.864
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230050027	ME	Maine	Cumberland	24.53
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211930003	KY	Kentucky	Perry	24.4815
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482030002	TX	Texas	Harrison	23.6322
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80310023	CO	Colorado	Denver	23.5887
120730012	FL	Florida	Leon	23.5879
371350007	NC	North Carolin	Orange	23.5385
371190042	NC	North Carolin	Mecklenburg	23.5242
191471002	IA	Iowa	Palo Alto	23.5228
510870015	VA	Virginia	Henrico	23.5092
271230871	MN	Minnesota	Ramsey	23.4759
280590006	MS	Mississippi	Jackson	23.4594
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440070022	RI	Rhode Island	Providence	23.1662
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290370003	MO	Missouri	Cass	23.0139
440071010	RI	Rhode Island	Providence	22.9838
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270530961	MN	Minnesota	Hennepin	22.9198
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330070014	NH	New Hampshire	Coos	22.7346
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371170001	NC	North Carolin	Martin	21.3023
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380530002	ND	North Dakota	McKenzie	11.4285
560210001	WY	Wyoming	Laramie	11.1324
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36.8316	0.05687512	0.0356904	0.00074128	0.00068507	0.00074426	0.0008431	0.01373015
37.1363	0.26737402	0.05615933	0.00122221	0.0032808	0.00119344	0.00614315	0.15022208
37.4205	0.03965432	0.01660793	0.00135205	0.00060291	0.00064801	0.00072332	0.02527441
37.1001	0.00485255	0.0098188	0.00126147	0.0005975	0.00063107	0.00068714	0.01882857
38.3678	0.17667179	0.03833983	0.00145154	0.05263451	0.00636765	0.02854221	0.16526522
36.9597	0.11165378	0.0150643	0.00612776	0.00143783	0.00152643	0.00516365	0.16211281
37.1978	0.11780319	0.01590107	0.00646819	0.00151206	0.00160522	0.00544444	0.17103795
36.9224	0.11452144	0.01545119	0.00628796	0.00147497	0.00156583	0.00529318	0.16627331
35.5936	0.04463558	0.0128166	0.00187251	0.00172678	0.00091504	0.001009	0.04391242
36.0016	0.25328077	0.02189189	0.0013822	0.00311744	0.00134377	0.0090838	0.17413066
36.7061	0.00434694	0.00878669	0.00113131	0.00053217	0.00056205	0.00061196	0.01684442
35.4628	0.1145425	0.05701159	0.0335964	0.01103426	0.00067856	0.01966299	0.19577596
35.9423	1.59559222	0.01907987	0.0041455	0.00382603	0.00162371	0.06726906	0.37700245
35.8494	0.44444026	0.02610856	0.00475733	0.00085717	0.0009226	0.01408385	0.36908003
35.8068	0.05936876	0.03725282	0.00077133	0.00071211	0.00077364	0.00087638	0.01432893
36.3171	0.19305483	0.04660951	0.00112203	0.00251974	0.00109569	0.01190353	0.18395826
36.3473	0.02980432	0.01049684	0.00142194	0.00130933	0.00139675	0.00076051	0.02862509
35.4915	0.10822218	0.08358959	0.00156219	0.00071754	0.00076688	0.00250426	0.12508041
35.414	0.22212026	0.0531375	0.00138232	0.00311958	0.00135223	0.01144938	0.20796822
37.6689	0.02874208	0.07840288	0.00141192	0.00065479	0.0006984	0.00152074	0.021171
39.5827	0.1607603	0.03192584	0.0018118	0.00083944	0.00087938	0.00290202	0.14028783
36.0664	0.16778635	0.05667392	0.00175261	0.00080518	0.00086428	0.00287802	0.14047285
37.6744	0.09084059	0.01037089	0.00742055	0.00488758	0.00172011	0.00283439	0.07724537
38.1256	0.10288044	0.01174878	0.00841196	0.00553986	0.00195602	0.00321594	0.08747672
37.8768	0.04845793	0.01375237	0.0018623	0.00084574	0.0008965	0.00098127	0.04607119
34.8826	0.16488462	0.03415443	0.00154282	0.00045667	0.0004988	0.00867113	0.1675029
36.5928	0.36960224	0.0396348	0.00340524	0.00103059	0.00110911	0.01627703	0.41372341
34.7907	0.03306789	0.01149945	0.0011518	0	0	0.00130788	0.01890966
34.3076	0.10597681	0.0477605	0.00441812	0.00472476	0.00148642	0.00250125	0.04943426
34.3076	0.00420179	0.00101079	0	0.00010274	0.00010848	0.00011805	0.00400548
34.9468	0.12583639	0.01697849	0.00690874	0.0016234	0.0017234	0.00582247	0.18270431
36.4198	0.12919594	0.05603965	0.00164226	0.0007554	0.00080643	0.00353396	0.14135597
34.9823	0.32710501	0.05039055	0.00212375	0.00382038	0.00138984	0.01182176	0.20775913

37.062	0.14669164	0.05015949	0.00171228	0.00078535	0.00083642	0.00283016	0.1321092
35.0405	0.03639041	0.01946555	0.00058093	0.00052679	0.00056882	0.00063902	0.01649818
34.5198	0.10710184	0.01445736	0.00587744	0.0013822	0.00146735	0.00494749	0.15550372
35.6476	0.03565415	0.00923	0.00118135	0.00055135	0.00058188	0.00063287	0.02379083
34.2207	0.08417762	0.01852288	0.00119137	0.00221466	0.0023275	0.0012765	0.07104994
35.3007	0.23409811	0.06575079	0.00212255	0.04342397	0.00214851	0.03494599	0.21069607
34.1277	0.00771722	0.02675287	0.00062067	0.00058173	0.00061196	0.00066245	0.01319166
35.6149	0.41399026	0.03350787	0.00610984	0.00225163	0.00118659	0.01954073	0.46173273
34.2513	0.33030894	0.02639371	0.00480741	0.00086629	0.00093241	0.01423752	0.31680818
36.1178	0.11994038	0.05328159	0.00147169	0.00069139	0.00072979	0.00384083	0.11812119
37.2422	0.04135372	0.02211202	0.00066106	0.00059943	0.00064728	0.00072717	0.01874144
34.9739	0.04728099	0.01341894	0.00181224	0.00082705	0.00087677	0.00095982	0.04493462
35.3751	0.11233982	0.01283224	0.00919307	0.00605427	0.00213294	0.00351032	0.09551635
33.4192	0.44982785	0.03547969	0.00304467	0.00092136	0.00099138	0.01456158	0.37066652
34.3144	0.0376125	0.05834737	0.00071123	0.00066688	0.00072464	0.00082109	0.01069655
36.0593	0.15956088	0.0227156	0.02108597	0.0917983	0.00578318	0.03712894	0.14337014
34.0485	0.09557884	0.04668486	0.02943156	0.00895372	0.00015729	0.01738894	0.15376607
33.287	0.019389	0.11131818	0.00070085	0.00065172	0.00068986	0.00075355	0.01491537
34.809	0.16823362	0.04211774	0.00355607	0.00214763	0.001146	0.00662753	0.28713125
34.9859	0.02347859	0.04265171	0.00141112	0.00066816	0.00069331	0.00221643	0.01992426
34.1273	0.33974496	0.02705822	0.0049676	0.00089433	0.000962	0.01460041	0.3267508
33.2312	0.22317628	0.0562041	0.0005807	0.00693683	0.00726334	0.05403504	0.21350446
34.5656	0.00701741	0.05583342	0.00057072	0.00051962	0.00055152	0.00060478	0.00758134
33.1992	0.35821415	0.03006022	0.00524847	0.00094402	0.00101983	0.01562038	0.33921717
33.7772	0.09931134	0.01113232	0.00296408	0.00069092	0.00036388	0.00328386	0.10586752
34.7933	0.05827472	0.00870406	0.0051467	0.00066644	0.00070875	0.0016021	0.05195964
33.1217	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
34.5964	0.14102567	0.01485003	0.00354687	0.00104921	0.00056649	0.01000532	0.19617543
34.3638	0.06719602	0.00863882	0.00334479	0.0017076	0.00072726	0.00203993	0.05748714
34.2874	0.11533316	0.02843243	0.0018536	0.00080879	0.00088874	0.01154809	0.20610114
33.2775	0.20040278	0.03623939	0.00202392	0.00089816	0.0009865	0.00592843	0.22516182
33.4589	0.11923473	0.06132731	0.02097144	0.02861716	0.00376103	0.02034628	0.2056631
34.01	0.02835403	0.07773921	0.0014119	0.00064607	0.00068867	0.00149792	0.02094851
34.4422	0.22517363	0.05670655	0.00059071	0.00702034	0.00735198	0.05452164	0.24119744
35.1326	0.3437711	0.05321544	0.00220386	0.00395006	0.00143905	0.01381154	0.22761063
32.9308	0.25857258	0.02234806	0.00141225	0.00318983	0.00137317	0.00927181	0.17770493
34.1613	0.1308481	0.02165756	0.00155173	0.0705639	0.00372926	0.02461908	0.09559724
33.9824	0.20518748	0.01728825	0.00285439	0.00182401	0.00095207	0.00671727	0.22797552
35.1737	0.20615056	0.0409191	0.00190335	0.00343519	0.00124312	0.01069478	0.21029399
35.1357	0.0299824	0.00861238	0.0012617	0.00116313	0.00060999	0.00067287	0.02945519
33.8497	0.37214381	0.03987134	0.00342525	0.00104001	0.00111899	0.01636047	0.35407094
33.3433	0.35006435	0.01926698	0.00471699	0.00148279	0.00076612	0.01177076	0.30660454
33.7077	0.13508927	0.05843407	0.00171237	0.000792	0.00084571	0.00369817	0.14758514
33.8237	0.00801081	0.03187884	0.00061087	0.00056047	0.00059959	0.00066493	0.02162335

32.795	0.04853592	0.01403246	0.00176232	0.00080452	0.00085624	0.00094263	0.04403579
33.4966	0.20292643	0.0381906	0.00673173	0.00248503	0.00131195	0.01723487	0.29207562
33.8421	0.0937974	0.04366531	0.02599849	0.00581255	0	0.01831139	0.18164108
33.1547	0.00344525	0.03563593	0.00062077	0.00057589	0.00061073	0.00066892	0.01565646
37.3967	0.00573215	0.00147125	0	0.00016981	0.00017786	0.0001913	0.0056283
33.0489	0.04503516	0.01287495	0.00511585	0.0006636	0.00070025	0.00156583	0.02516799
34.0541	0.33362056	0.06969032	0.00703256	0.00524349	0.00161459	0.02704167	0.10402896
33.2793	0.32546051	0.02635071	0.00381601	0.00086444	0.00093202	0.01532142	0.37670552
33.6698	0.00453209	0.00917123	0.00118137	0.00056029	0.00059166	0.00064404	0.01760208
33.4534	0.17096934	0.07649867	0.0289301	0.01326806	0	0.03140742	0.29444144
32.9379	0.11421904	0.0621377	0.00133197	0.0006042	0.00064828	0.00288755	0.11273111
33.0323	0.22285336	0.05612144	0.00059071	0.00693665	0.0072633	0.05396106	0.23871474
32.7417	0.04225845	0.03777363	0.00078135	0.00072113	0.00078343	0.00088748	0.01452639
32.7912	0.18213336	0.04788204	0.00132201	0.00119622	0.00064796	0.00641353	0.18190243
33.5153	0.19825644	0.03087381	0.00211364	0.00201939	0.00106745	0.0063226	0.21731978
33.5477	0.15500359	0.01770657	0.0064608	0.00145617	0.00157768	0.00550773	0.15800216
32.2493	0.01665415	0.00791564	0.00100129	0.0004631	0.00049225	0.00054092	0.01693499
32.7565	0.10811344	0.05110407	0.02142776	0.00659265	9.8444E-06	0.01894836	0.19874464
33.2706	0.58061979	0.0339528	0.00618997	0.00227884	0.00119639	0.01980551	0.46783852
32.815	0.34481516	0.02872317	0.00508809	0.00091819	0.00099071	0.01492701	0.39018798
33.8101	0.06422251	0.00906896	0.00409599	0.00062314	0.00066805	0.00154077	0.05353645
33.4305	0.04687401	0.0152039	0.00148203	0.00836791	0.0020949	0.00077175	0.03341204
32.6936	0.18175166	0.0283014	0.00193333	0.00184816	0.00097931	0.00579001	0.19925309
32.2907	0.02441498	0.00778662	0.00112156	0.00049695	0.00049162	0.00058775	0.02161307
32.7339	0.05344523	0.05813596	0.00071123	0.00066686	0.00072463	0.00082112	0.01066263
32.0821	0.08971087	0.0244265	0.00155312	0.00066385	0.0007319	0.00355128	0.15647075
32.7437	0.24752114	0.04846852	0.00119223	0.00325138	0.00118286	0.00747098	0.16443409
32.6095	0.15884505	0.02042622	0.01290989	0.00251683	0.00090297	0.00809017	0.17178033
33.4564	0.04406899	0.01250935	0.00169209	0.00077133	0.00081767	0.00089507	0.04188975
32.5631	0.09736921	0.02175672	0.00064118	0.0005727	0.00062586	0.00298137	0.18411574
31.8689	0.51278863	0.07127935	0.00509698	0.00313373	0.00250804	0.05902731	0.68239141
32.9127	0.03812571	0.00823641	0.00232348	0.00926239	0.0029362	0.00079934	0.03253973
32.216	0.1933155	0.01942102	0.00490959	0.00143904	0.00077146	0.01393625	0.26995132
33.2579	0.28188065	0.03893565	0.00180317	0.00327395	0.00118443	0.01017053	0.2000873
32.3461	0.03611998	0.03226855	0.00067116	0.00062196	0.0006757	0.00076547	0.01241574
32.6493	0.48425084	0.03546203	0.0051887	0.00186255	0.00097986	0.01632908	0.37620763
33.507	0.1045821	0.05135707	0.03324525	0.02231695	0.00259684	0.0190537	0.19831656
33.0069	0.13852997	0.06470131	0.00076149	0.00070175	0.00077146	0.00179824	0.12674387
33.2224	0.28419133	0.0940528	0.00307642	0.0266291	0.00454309	0.05368867	0.09759976
32.3163	0.11741647	0.01290449	0.00283517	0.00085092	0.0004597	0.00788782	0.16465035
33.1227	0.12248618	0.07360016	0.0013418	0.00061862	0.00065921	0.00290793	0.11476878
32.6309	0.34253962	0.02728121	0.00500766	0.00090338	0.0009718	0.01472224	0.32934413
32.7275	0.12896507	0.0194004	0.0014417	0.05263936	0.00110412	0.02427052	0.08314269
31.4557	0.19399379	0.04995724	0.00126159	0.04006372	0.00031515	0.02869672	0.21545624

32.2503	0.18653816	0.02712102	0.00466943	0.00164503	0.00087815	0.01493711	0.28323845
31.4132	0.02718986	0.01523053	0.00045071	0.00247391	0.00393377	0.00461045	0.01132546
33.1438	0.31872778	0.04323899	0.00193352	0.00116477	0.00062601	0.0124364	0.22608151
32.0021	0.18747199	0.04721757	0.0005006	0.00587502	0.00616934	0.04539407	0.20084509
31.8864	0.03144531	0.05596186	0.00186151	0.00088701	0.00092097	0.00296458	0.02658037
31.3853	0.00318139	0.05911441	0.00058081	0.00052463	0.00056047	0.00062031	0.01545627
32.4565	0.10705428	0.05255347	0.03398527	0.02148864	0.00239994	0.01950554	0.20253718
32.209	0.11650816	0.01480369	0.00603864	0.00184558	0.00099264	0.00219236	0.10256607
31.7794	0.00501402	0.02413267	0.00057077	0.00049828	0.00053124	0.00058627	0.00672717
32.1363	0.09741773	0.04604257	0.01934209	0.00600085	2.9534E-05	0.01707409	0.1791949
31.2316	0.09729738	0.09275736	0.00139196	0.00063459	0.00067836	0.00150291	0.11474179
31.9196	0.07640387	0.04878274	0.00089173	0.00081791	0.00089855	0.00103322	0.0144582
31.7197	0.04495014	0.03979574	0.0008415	0.00077204	0.00084152	0.00095755	0.01356252
32.8081	0.29181523	0.031587	0.0013925	0.00193864	0.00067514	0.01456668	0.19735728
33.5345	0.01993072	0.0860499	0.00027052	0.00024041	0.00026378	0.00028039	0.00835784
31.0776	0.2194518	0.04805943	0.00456647	0.18191673	0.00232967	0.04482449	0.24247802
31.4752	0.16169937	0.04967166	0.00123199	0.00110733	0.00060797	0.0059972	0.155793
32.2069	0.19813307	0.0234887	0.00064118	0.00057255	0.00062583	0.00970575	0.23551522
32.1024	0.80887824	0.04717175	0.0056795	0.00341833	0.00278291	0.1140517	0.82732687
32.4728	0.05082515	0.01759215	0.00186235	0.00172605	0.00090608	0.00099348	0.04814609
31.9198	0.17428585	0.04744734	0.00342645	0.00203452	0.00111421	0.02293672	0.28727941
32.3428	0.07727693	0.06955609	0.00109153	0.00050599	0.00054075	0.00118674	0.09026283
31.0173	0.0468729	0.00818252	0.00194283	0.00088921	0.00095303	0.0010596	0.0437782
31.6426	0.00519026	0.0348673	0.00055065	0.00049451	0.00052254	0.00056936	0.00384596
32.0419	0.161917	0.02702895	0.00458935	0.00135171	0.00072188	0.01316692	0.24174809
30.9046	0.09915261	0.09003373	0.00080154	0.0007123	0.00078157	0.00536116	0.15925202
32.2812	0.26995628	0.02889622	0.01555611	0.00350756	0.00190088	0.00858613	0.24355793
30.894	0.23967713	0.04192902	0.0043378	0.0016598	0.00119365	0.02859712	0.21218817
31.5544	0.14881643	0.10361198	0.44242144	0.01649021	0.00180311	0.02403003	0.25727495
31.9789	0.285636	0.04865339	0.00122224	0.00272179	0.00119317	0.01152923	0.18639883
31.4425	0.04125638	0.03665309	0.0007813	0.00071494	0.00077423	0.00087324	0.01197876
31.4302	0.21201636	0.03989967	0.00285566	0.00167569	0.00090784	0.01941937	0.22948027
32.0825	0.23986077	0.01567509	0.00164273	0.0004887	0.00052922	0.01457976	0.20403486
31.9677	0.02819355	0.05072006	0.00168135	0.00080149	0.00083191	0.00265863	0.02387425
31.5045	0.16657477	0.08209817	0.03015047	0.01568644	0.0001771	0.02714906	0.27096625
31.5211	0.0945935	0.01022311	0.00628987	0.0040052	0.00142267	0.00318859	0.07525937
30.6468	0.12591282	0.02500348	0.00142141	0.00066025	0.00069165	0.00226415	0.10988459
31.1786	0.18940163	0.04998407	0.00194269	0.04199488	0.00046217	0.02947142	0.22233847
31.1163	0.2429345	0.03483253	0.02078496	0.02578561	0.01075809	0.05816743	0.12384064
30.5722	0.06126419	0.01637291	0.00156224	0.00068853	0.00073709	0.00081817	0.02781541
31.0915	0.13977487	0.07249433	0.04911381	0.02016466	0.00248433	0.02193865	0.21655572
32.1426	0.23311976	0.04979581	0.00127208	0.00115104	0.0006274	0.01882126	0.21176691
32.3352	0.10308611	0.07334096	0.0014519	0.00066609	0.00070867	0.00153791	0.12164549
32.5421	0.09654032	0.01980864	0.00055102	0.00049196	0.0005378	0.00793104	0.19758871

30.9636	0.10902366	0.06121625	0.00121196	0.00055362	0.00059815	0.00135609	0.09847448
31.3097	0.23369734	0.04081153	0.00332621	0.00199182	0.00106554	0.00626335	0.27762041
31.616	0.37343911	0.03268042	0.00478921	0.00108587	0.00119182	0.02711721	0.45201998
31.0236	0.11324138	0.05272421	0.03140659	0.00705613	0	0.02211093	0.21912852
31.5528	0.08129556	0.04334564	0.00119184	0.00054712	0.00058889	0.00200887	0.08760796
30.3575	0.20496091	0.10628245	0.07626076	0.0095877	0.00259541	0.01461331	0.12242609
31.0392	0.06022489	0.00982834	0.00142239	0.0006326	0.00069564	0.00077475	0.04608456
31.5911	0.11829695	0.0312379	0.00093134	0.00276215	0.26464113	0.0061878	0.10497163
31.9974	0.00354347	0.04793729	0.00055062	0.00049611	0.00052288	0.00056758	0.01077423
31.3914	0.13711804	0.02088159	0.00061112	0.00054587	0.00059653	0.0028585	0.17666414
31.3173	0.22064076	0.01613804	0.00398576	0.00124755	0.00064853	0.0098581	0.25958573
30.2535	0.11443262	0.08456848	0.00137249	0.00062749	0.00068477	0.00237471	0.12226703
30.6523	0.17740078	0.04504941	0.00078072	0.06631644	0.00113722	0.03738138	0.35731199
31.2897	0.16957138	0.02010907	0.00385773	0.00135466	0.00072218	0.01236434	0.24015445
30.7746	0.13042838	0.06427347	0.02360164	0.01204998	9.839E-05	0.02125493	0.21222664
31.7404	0.00535286	0.02134635	0.00056067	0.0005215	0.00055191	0.0006027	0.01236161
31.2509	0.15939447	0.02330392	0.0124399	0.0017353	0.00093174	0.00421853	0.13910325
31.235	0.00364122	0.02366822	0.00073144	0.00066537	0.00073222	0.00084386	0.0094251
32.2786	0.25923015	0.08579977	0.00281588	0.0242951	0.00414336	0.0489785	0.08902057
30.1721	0.10565119	0.03349286	0.00246467	0.02508367	0.00771048	0.00088489	0.03120683
31.2371	0.20340039	0.02562311	0.00109153	0.03016725	0.00114051	0.03540489	0.11232411
30.9378	0.05594342	0.06483123	0.00076136	0.00070059	0.00076332	0.00086808	0.01034815
30.3175	0.0416259	0.03698192	0.0007813	0.00072399	0.00078403	0.0008843	0.01208914
30.134	0.04005806	0.01036663	0.00133153	0.00061665	0.00066075	0.00070808	0.02672013
30.6513	1.19294228	0.02975871	0.004036	0.00442885	0.00158127	0.010592	0.31436509
30.3399	0.2381785	0.06480889	0.00141237	0.00126554	0.00069567	0.00775668	0.21422008
31.5487	0.28630005	0.04404918	0.00134232	0.00061284	0.00066589	0.01109544	0.22761108
30.6335	0.30447551	0.06049734	0.00174173	0.00082074	0.00085965	0.31392405	2.40500963
31.4457	0.51118302	0.06698964	0.00565792	0.00297167	0.00237934	0.07114661	0.6017995
30.6617	0.12861801	0.0818293	0.61058146	0.01326285	0.00111747	0.02210866	0.23425235
29.9273	0.51300084	0.03357481	0.00670286	0.00168263	0.00094764	0.01412205	0.35270581
31.282	0.08715633	0.07827413	0.00125173	0.00058021	0.00061954	0.00134868	0.10385878
31.5962	0.10496509	0.05393893	0.00114164	0.00053245	0.00057001	0.00124366	0.09218279
30.4803	0.15530812	0.01997226	0.01262947	0.00246207	0.00088334	0.00791466	0.16793469
30.8278	0.17819882	0.0310435	0.00481883	0.00179046	0.00094865	0.01489007	0.24986889
31.4289	0.1743185	0.02398111	0.00125191	0.00167979	0.00060866	0.00471526	0.15619983
30.8937	0.16940015	0.01960334	0.01236003	0.01049793	0.00453986	0.15268864	0.67704437
30.0799	0.05572099	0.00919468	0.00542793	0.00068738	0.00073684	0.00169354	0.04942902
30.7672	0.28346901	0.06109847	0	0.00566831	0.01206476	0.07092645	0.25588035
30.759	0.10119152	0.08802184	0.00209407	0.00752006	0.00140639	0.00157251	0.03294594
31.0191	0.24057799	0.05255756	0.01560489	0.01062391	0.00477669	0.01287238	0.36936617
30.4671	0.02871429	0.00828056	0.00141207	0.00062292	0.00066801	0.0007433	0.02411126
29.808	0.26564557	0.0448517	0.00104195	0.002321	0.00101655	0.01227559	0.17485379
30.0449	0.18328997	0.05285348	0.00087088	0.06371238	0.00218323	0.03796127	0.36000786

30.803	0.18742389	0.0540477	0.00090091	0.06460357	0.00217333	0.03882545	0.36797375
32.2064	0.03249587	0.00944355	0.00128165	0.00118571	0.0006301	0.00069229	0.03289426
31.0092	0.01805819	0.10368681	0.0006608	0.00061448	0.00065044	0.00071049	0.01389313
30.4339	0.11516347	0.03560633	0.00293571	0.00172433	0.00094734	0.01431079	0.14521857
29.6878	0.14609535	0.03060726	0.00194386	0.00171956	0.00092732	0.01337713	0.22979333
31.1348	0	-0.00063414	0	0	0	0	0
30.5938	0.0315837	0.09111553	0.00069124	0.0006461	0.00070447	0.00080196	0.00879196
30.8467	0.23260083	0.03168971	0.02754755	0.00544024	0.01338717	0.06314311	0.16287608
30.5942	0.14901321	0.07942159	0.0486336	0.0163695	0.00155128	0.02218226	0.20229374
29.619	0.14170676	0.0718459	0.00363578	0.01904527	0.00096128	0.02773005	0.27191316
29.604	0.09716336	0.03610421	0.00082169	0.00076741	0.00084845	0.00200149	0.08943019
30.6407	0.02856085	0.05070343	0.00168136	0.00080111	0.00083183	0.00269144	0.02412495
29.5949	0.16540284	0.02614084	0.00123174	0.00109382	0.00058981	0.00447842	0.15532677
30.3754	0.01608778	0.00404652	0.00077102	0.0003512	0.00038379	0.00041195	0.01589096
29.573	0.06150179	0.04064921	0.00075135	0.00069087	0.00075337	0.00085776	0.01167031
30.3822	0.14879832	0.02956064	0.00168167	0.00078296	0.00082012	0.00268901	0.12992735
29.9903	0.05890258	0.38945294	0.00082157	0.00073016	0.00080112	0.00185049	0.02364923
30.9182	0.15922637	0.06326215	0.00062085	0.0074371	0.00775016	0.00753278	0.14788763
29.7448	0.15996317	0.04848732	0.00493567	0.60931795	0.00139056	0.03730117	0.23030306
29.9428	0.17401207	0.07787722	0.02972123	0.01411438	0.00013767	0.03197475	0.29967596
29.926	0.16345058	0.4854528	0.00083131	0.00075517	0.00081428	0.00274997	0.03837322
30.9203	0.3339884	0.03121329	0.00994901	0.00221782	0.00080117	0.00746741	0.24853009
29.9172	0.22042631	0.04981385	0.00891338	0.00375728	0.0026906	0.05847175	0.5310013
30.2019	0.1484521	0.07603418	0.02499883	0.02044698	0.00119723	0.02534249	0.21238904
30.6621	0.08064296	0.11614533	0.00065102	0.00060096	0.0006476	0.00367134	0.11549418
30.0596	0.11727269	0.03601122	0.00428409	0.16653665	0.00176947	0.02713959	0.20818202
29.6316	0.23338324	0.04728808	0.00123214	0.00166609	0.00120431	0.0144999	0.20926228
30.397	0.13625335	0.06515819	0.00146214	0.00068727	0.00073682	0.00159543	0.11950049
31.2466	0.11867281	0.03761514	0.00062075	0.05910823	0.00172462	0.0285284	0.21616231
29.5764	0.45888311	0.04016282	0.01106754	0.00836653	0.00360015	0.05753294	0.43583021
29.755	0.60361437	0.01256317	0.00396626	0.00359367	0.00155005	0.09753042	0.37843974
31.4879	0.52135264	0.0560711	0.00963579	0.00871839	0.00377419	0.06904075	0.80266207
30.4911	0.00784464	0.03334166	0.00064092	0.00058767	0.00062901	0.00069803	0.01440783
31.4994	0.10105009	0.02678221	0.00079117	0.00205024	0.22183022	0.00514159	0.08739407
31.0929	0.18591892	0.04794607	0.00339672	0.00200425	0.00109337	0.02169982	0.22373438
30.8346	0.12791256	0.04082179	0.00164203	0.00076198	0.00080781	0.00269619	0.13063792
29.1744	0.20759459	0.12666092	0.00073137	0.00065206	0.00071362	0.00506643	0.09501223
29.9553	0.1764475	0.05090771	0.0032646	0.03134248	0.00063899	0.02699503	0.18383454
30.6405	0.26136882	0.03888389	0.02196551	0.02130945	0.01233567	0.05732036	0.1429744
30.832	0.12366813	0.07372436	0.02679011	0.00845829	0	0.02688044	0.21796497
31.1526	0.12413835	0.03592169	0.00505014	0.00146925	0.00079044	0.01146609	0.15925045
30.3917	0.29191233	0.03088993	0.00382703	0.00184346	0.00097791	0.01527488	0.27180984
29.5344	0.05578666	0.00692411	0.0013424	0.00088867	0.0003914	0.00085741	0.02491218
29.6269	0.41064657	0.0691967	0.00572816	0.00262697	0.00281104	0.0384682	0.44690137

29.871	0.37397129	0.04044726	0.0067621	0.00203767	0.00108613	0.01680287	0.32720099
28.9964	0.05761495	0.09311217	0.00056111	0.00047005	0.00054669	0.00059649	0.00702775
28.9896	0.18897349	0.05759141	0.00083091	0.05384008	0.00249686	0.03802957	0.35174437
29.7086	0.17749436	0.02216795	0.00334618	0.00312151	0.0017014	0.01504735	0.25620574
28.9807	1.02644606	0.03431537	0.00811251	0.00656544	0.00265	0.02176833	0.54914042
29.3066	0.14539018	0.11572412	0.28863005	0.01582253	0.00195972	0.02470394	0.22259406
29.2452	0.22985785	0.04168952	0.00430802	0.00163517	0.00118293	0.0291147	0.19864499
29.2617	0.15507026	0.1032584	0.20777345	0.02075863	0.00144075	0.02637695	0.23364639
29.8908	0.17566108	0.05250002	0.0007614	0.00068029	0.00074325	0.01354095	0.2072729
29.4091	0.14939533	0.11039315	0.00114206	0.00105805	0.00115438	0.00915102	0.25447965
30.1551	0.1987894	0.0299226	0.0016422	0.08502931	0.00557878	0.0420842	0.12480301
29.0309	0.67733347	0.02135414	0.00189313	0.00228169	0.00123497	0.08415908	0.26693449
30.6602	0.08326384	0.01557948	0.00122193	0.00054572	0.0005886	0.00203562	0.08670586
29.5378	0.26899338	0.07101592	0.00429699	0.01491051	0.0131871	0.06021173	0.22984745
29.1038	0.12464333	0.0294922	0.042749	0.0127389	0.05640923	0.01046174	0.09831077
29.4946	0.13574517	0.03608367	0.00107163	0.00245628	0.29396401	0.00676456	0.11496138
29.0784	0.25226592	0.03079037	0.04029744	0.01006694	0.05824549	0.07738367	0.20791212
29.8674	0.33963701	0.0344053	0.01827234	0.00386478	0.00209449	0.00954314	0.29086892
28.7054	0.07752482	0.02540363	0.02192999	0.00986174	0.00310054	0.01057654	0.077559
30.6156	0.15311473	0.06150446	0.04418945	0.01156633	0.1758223	0.00923589	0.10587543
28.7121	0.10947636	0.07083832	0.63450263	0.01155068	0.00255253	0.01203828	0.14972589
29.3061	0.22946888	0.03531087	0.00181323	0.00080842	0.00088076	0.00411755	0.25072651
29.0923	0.19082132	0.04229624	0.00875398	0.00510691	0.00367807	0.05915951	0.56401295
29.4057	0.12048939	0.02722902	0.00163302	0.00071543	0.00078223	0.00462537	0.2209706
28.5778	0.18380718	0.03042203	0.00473896	0.00174803	0.00092841	0.01458166	0.20016421
29.1776	0.1867074	0.03312291	0.00123173	0.00114043	0.00059971	0.00405129	0.17537315
29.0033	0.15148138	0.04765477	0	0.03529297	0.00168292	0.03387321	0.29295305
28.5037	0.12339604	0.05054522	0.00683235	0.00261811	0.00189786	0.01945087	0.08476248
29.2629	0.27361117	0.01706923	0.00605087	0.00146253	0.00053813	0.00861083	0.21783126
28.4882	0.15809355	0.02033116	0.0128498	0.00250771	0.00090297	0.00804626	0.17096273
29.1909	0.2274481	0.02554873	0.00223423	0.00132876	0.00073295	0.07699024	0.20385936
28.4791	0.05023428	0.00641824	0.00221327	0.00127247	0.00054023	0.00152035	0.04236786
29.4442	0.17899922	0.01709305	0.00914531	0.00194419	0.00104848	0.00475651	0.15412669
29.7464	0.15729501	0.02363044	0.00380779	0.00133329	0.00071205	0.01316204	0.23906699
28.8066	0.29088191	0.06348706	0.01128443	0.00401344	0.00256006	0.13114636	1.02348027
28.7971	0.1040674	0.45072443	0.0008515	0.00076413	0.00083196	0.00284684	0.03221826
29.416	0.13311464	0.10360164	0.59195006	0.01345042	0.00171535	0.02403455	0.2219426
29.3355	0.1000565	0.08033279	0.00143208	0.00065113	0.00069763	0.00153966	0.11710598
29.9113	0.31995313	0.06402451	0.00151286	0.00209616	0.00074275	0.01949569	0.26131673
28.6702	0.15918905	0.10797476	0.46756961	0.01608885	0.00201839	0.02147946	0.22531959
28.8505	0.23967867	0.03796349	0.00107183	0.0014619	0.00104806	0.01439603	0.20368808
28.8377	0.22912094	0.01497602	0.00157262	0.00047055	0.00050961	0.013929	0.19479946
28.9127	0.01764049	0.10128567	0.00064077	0.00059586	0.00063073	0.00068896	0.01357231
28.6438	0.15750827	0.09660021	0.30157199	0.01687419	0.00218767	0.02138779	0.2233947

28.4545	0.21182384	0.08201673	0.00084114	0.04747507	0.00277401	0.04259619	0.31896957
29.9914	0.24107394	0.02272837	0.00169256	0.0007947	0.00085418	0.00391267	0.28706891
29.9349	0.12103976	0.02867073	0.04124727	0.0119406	0.05422052	0.01010776	0.0949753
28.8364	0.08044839	0.09280725	0.00093169	0.00083351	0.00090973	0.00826265	0.15350981
29.6315	0.54823061	0.07620347	0.00544746	0.00334571	0.00267524	0.063103	0.72956005
29.0773	0.15371962	0.04064984	0.00634053	0.00381029	0.00204831	0.00780341	0.19734801
29.3234	0.11268684	0.07290643	0.65325303	0.01189779	0.00263107	0.01237803	0.15412166
28.3454	0.55922257	0.02249587	0.00547866	0.00496636	0.00229555	0.06132919	0.42798649
28.6948	0.13262276	0.03408512	0.00282546	0.00082713	0.00090839	0.01267505	0.10913555
28.3551	0.04063728	0.01202981	0.00642942	0.00196074	0.0006975	0.00233881	0.04392892
29.5548	0.36498985	0.06534649	0.00708232	0.0027196	0.00196799	0.04925381	0.26227825
28.8626	0.0816158	0.01169929	0.00132138	0.00061116	0.00064184	0.00212188	0.09865506
28.8651	0.0098517	0.03867526	0.00047076	0.00041762	0.0004511	0.000507	0.00242559
28.0769	0.14413425	0.04368524	0.00444511	0.54896015	0.00125248	0.0336118	0.20746965
30.089	0	0	0	0	0	0	0
28.1427	0.14827472	0.10494817	0.01770888	0.00357262	0.00164709	0.00593638	0.07224135
29.2955	0.61559247	0.0911529	0.00619869	0.00379882	0.00304777	0.12029466	0.77384562
29.1737	0.40732884	0.06511358	0.00564776	0.00259859	0.00277348	0.04289607	0.45490933
28.9336	0.06578465	0.0792013	0.00076141	0.00067964	0.00074312	0.00673713	0.12468071
28.863	0.36747796	0.09576724	0.00811246	0.00221659	0.00159011	0.26827114	0.48378561
28.1788	0.32151458	0.06926803	0.00025038	0.00710218	0.01540667	0.07235709	0.24919405
27.9863	0.00096366	0.01453079	0.00051057	0.00047729	0.00050313	0.00054628	0.00075628
28.6039	1.21461477	0.02612259	0.00481666	0.00442997	0.00157344	0.06775918	0.39806643
29.3224	0.00269578	0.01423323	0.00050064	0.00044494	0.00047263	0.00051888	0.00172555
28.0582	0.5332681	0.02118816	0.00380643	0.00256587	0.00186147	0.06784022	0.27250585
28.982	0.18973811	0.01717567	0.00609094	0.00147152	0.00054791	0.00866643	0.17726208
29.3123	0.51380949	0.02992133	0.00455707	0.0041373	0.0022277	0.06421108	0.38542886
28.384	0.80614384	0.04052352	0.00231393	0.00208556	0.00112652	0.17678736	0.53297499
28.6657	0.23705376	0.04554031	0.00578962	0.00297746	0.00161707	0.03250857	0.16074705
28.2832	0.2521316	0.11599007	0.00995661	0.00245144	0.00176392	0.26979699	0.53058943
28.552	0.19932697	0.07543592	0.00131218	0.0011856	0.00063703	0.0065435	0.17043718
29.6586	0.10159914	0.07281299	0.00143186	0.0006665	0.00070876	0.0015262	0.12020779
28.5491	0.2385597	0.02977617	0.00088162	0.0007877	0.00086061	0.08889347	0.2323795
27.7536	0.15893103	0.04647595	0.00500633	0.24481494	0.00204843	0.03835495	0.2077757
28.6767	0.01935983	0.11117221	0.00070085	0.00065172	0.00068986	0.00075355	0.01490026
28.6383	0.13097071	0.09316385	0.00053093	0.00045889	0.00049926	0.00646682	0.05929441
28.6574	0.03448624	0.01727972	0.03378151	0.00760382	0.03746107	0.00401387	0.01313441
29.0802	0.25702117	0.02107039	0.00453832	0.00099359	0.00051832	0.00964497	0.21096597
28.6509	0.83374257	0.04862533	0.0058598	0.00352685	0.0028711	0.11755817	0.85275906
30.0637	0.25317652	0.09992602	0.02022977	0.05173776	0.00460711	0.04951565	0.43656477
28.299	0.23610719	0.0319233	0.0271715	0.01070572	0.00887415	0.05970134	0.25067508
27.8206	0.51757704	0.07251048	0.00512703	0.00235935	0.000836	0.06209617	0.83025045
29.3981	0.23107298	0.04572022	0.00121195	0.00055394	0.00059822	0.01056746	0.20907237
30.0426	0.00513669	0.02778252	0.00057065	0.00051401	0.00054244	0.00058992	0.00364391

27.9857	0.10652483	0.11302368	0.00090201	0.00078513	0.00087587	0.00203196	0.03090254
28.0043	0.41381678	0.01841675	0.00079143	0.00070848	0.00077287	0.11997085	0.22035317
27.5338	0.02361461	0.01288816	0.00077118	0.00222741	0.02388463	0.00331183	0.01086222
28.0544	0.17666104	0.04713205	0.00743289	0.00498167	0.00271229	0.01131062	0.27245982
28.0398	0.18109643	0.08071475	0.00055084	0.00050201	0.00053992	0.00377291	0.10019518
27.6742	1.19262079	0.02718714	0.00499748	0.00456274	0.00163014	0.07427139	0.39645385
28.825	0.23889785	0.04557102	0.00125216	0.00225291	0.00122404	0.01252758	0.20075239
28.5592	0.18644841	0.19786683	0.00057111	0.00050664	0.00055669	0.01978098	0.04163292
27.3926	0.34741079	0.02083606	0.00377642	0.00138124	0.00072488	0.01129992	0.27677153
28.3495	0.12982191	0.02160039	0.00064137	0.00058816	0.00065281	0.00155559	0.1258605
28.5172	0.25951323	0.03693794	0.00161265	0.00074293	0.00080381	0.00473717	0.27126466
28.0729	0.23096277	0.06066252	0.00996742	0.00625557	0.00290765	0.03079187	0.2311844
27.8623	0.10760575	0.59120337	0.00079136	0.00071218	0.00077365	0.00262891	0.02470125
27.5276	0.09514611	0.06127559	0.01606886	0.00685526	0.00159482	0.009524	0.06808426
28.4463	0.15671529	0.022206	0.00111157	0.00100208	0.00054068	0.00411817	0.1456485
28.1447	0.19270899	0.03333653	0.0012519	0.00115072	0.00061852	0.00416552	0.1732105
27.2308	0.26036533	0.04342611	0.00119205	0.00161438	0.00116547	0.01529053	0.22233955
27.8068	0.2398463	0.11110065	0.00210401	0.0015862	0.00054719	0.03780307	0.0738523
27.9102	0.10123664	0.04660559	0.00369677	0.00363498	0.00170173	0.0095985	0.06820344
28.8551	0.19266401	0.11549824	0.08865448	0.01048015	0.0027218	0.01759052	0.14295525
28.2325	0.1555584	0.10831164	0.46250462	0.01724095	0.0018815	0.02511382	0.2230464
27.161	0.1398297	0.01792977	0.00126192	0.04480309	0.00252315	0.02194661	0.09086425
28.5086	1.71593897	0.03571512	0.00601998	0.00544032	0.002362	0.16747128	0.75701003
27.3355	0.11393095	0.04557933	0.00079146	0.00070674	0.00077251	0.00885689	0.18285877
27.9342	0.10004619	0.04503768	0.0011819	0.00053566	0.00057858	0.00195081	0.10153553
27.1299	0.0439087	0.01208941	0.00164219	0.00151518	0.00080689	0.00088922	0.04215543
27.796	0.47822296	0.07676198	0.00496744	0.00150876	0.00081507	0.08966447	0.63515102
27.1057	0.24328937	0.0491035	0.00281496	0.01899205	0.0010865	0.03287432	0.16740542
27.0884	0.08054197	0.06282754	0.00065109	0.00058789	0.00063695	0.00144884	0.07943907
27.6035	0.39554626	0.02422455	0.00114181	0.00103656	0.00055913	0.09639334	0.28476397
27.0537	0.36346364	0.08270781	0.0052595	0.00133615	0.00145768	0.09768759	0.26206431
27.4756	0.05403359	0.28742035	0.00076135	0.00068302	0.00074383	0.00169076	0.06435387
28.3886	0.15389613	0.10248623	0.20629767	0.02067645	0.00145054	0.02617886	0.27885343
27.635	0.1320619	0.08510839	0.00083134	0.01724276	0.00124532	0.03137928	0.27454738
26.9389	0.00119904	0.02652595	0.00053068	0.00049143	0.0005219	0.00057278	0.00115681
27.1447	0.10359027	0.08753227	0.00091166	0.00081499	0.00089004	0.00733078	0.19156688
26.9131	0.14750886	0.09478923	0.04058593	0.00935228	0.00174526	0.00550409	0.07668792
27.3671	0.29539966	0.04178727	0.0127426	0.00175226	0.00094933	0.0054511	0.21305912
27.9337	0.33383175	0.08815309	0.01438184	0.01229137	0.00616544	0.20762693	0.55891739
26.791	0.13064939	0.0658214	0.00498783	0.01789585	0.00194267	0.02730112	0.28536892
27.3412	0.56026704	0.0876562	0.00557006	0.0014078	0.00153592	0.10342205	0.2760539
26.7141	0.35523092	0.07941455	0.00108205	0.00096289	0.0010554	0.10464385	0.27583672
27.6489	0.08805414	0.14818417	0.0007213	0.0006456	0.00070437	0.00717807	0.13356075
26.9123	0.14977417	0.03632149	0.01672634	0.01266672	0.00545483	0.02347092	0.40887823

27.1925	0.1324278	0.18500533	0.00066128	0.00058687	0.00064464	0.00818587	0.07859483
26.8666	0.41160018	0.21765026	0.00484773	0.00879782	0.00118683	0.12263783	0.38778333
27.2811	0.23222617	0.05151876	0.00465837	0.01628401	0.00108602	0.03043514	0.14816296
27.4698	0.20676881	0.06245545	0.0218127	0.03194546	0.00204255	0.03198653	0.27035544
26.9677	0.219029	0.05193463	0.01086676	0.00791441	0.00496623	0.08096445	0.58177573
27.6293	0.68720684	0.02516872	0.00245429	0.00220492	0.00159574	0.05315861	0.24940695
26.4593	0.17620575	0.11425691	0.01242882	0.00248447	0.00137453	0.0056117	0.0909455
26.4358	0.06868937	0.01814281	0.01573848	0.00789828	0.00322825	0.01109202	0.09639374
27.1676	0.43505954	0.03016495	0.01152836	0.00884399	0.00433544	0.08025138	0.66829567
27.2925	0.10704735	0.09558821	0.00085161	0.00075802	0.00083068	0.01140173	0.15912163
30.3476	0.34195924	0.09414421	0.0010019	0.00089181	0.00097727	0.0268463	0.17057827
26.3392	0.54156513	0.09321626	0.00669226	0.00222911	0.00162346	0.08859324	0.31449391
26.3364	0.01401433	0.0264094	0.00049074	0.00044796	0.00048117	0.00053662	0.0013411
28.9108	0.01133539	0.02747276	0.00049057	0.00045725	0.00048312	0.00052633	0.00131912
26.4415	0.12813534	0.31929193	0.00070127	0.00062766	0.0006848	0.00234068	0.01787389
26.3098	0.03112333	0.01317494	0.00178256	0.00082614	0.00088448	0.000971	0.03188973
26.2715	1.97361659	0.03288254	0.00575922	0.00731331	0.00338367	0.50837377	0.70396619
26.4478	0.07273903	0.0921153	0.29460326	0.00521277	0.00144163	0.00372433	0.05200719
26.4926	0.00651005	0.02289613	0.00058087	0.00053029	0.00056956	0.00063513	0.01505312
26.3082	0.37944802	0.02245878	0.00175315	0.00157044	0.00085125	0.02644152	0.21208597
26.2435	0.17054613	0.02924667	0.00049078	0.00391699	0.03193621	0.05347101	0.14386379
26.842	0.10107925	0.08054736	0.00052092	0.00046765	0.000509	0.00178976	0.01985336
27.2975	0.11804326	0.01562931	0.01559185	0.01541747	0.00468972	0.04011291	0.09288462
26.9477	0.19031646	0.3047326	0.00089171	0.00079213	0.00086944	0.00398297	0.02494415
26.2208	0.46045248	0.11697124	0.01200051	0.00323006	0.00233112	0.15767172	0.34287386
26.2068	0.60919982	0.03962762	0.01056719	0.00956895	0.00376498	0.12379376	0.88766254
26.7343	0.10675807	0.56311446	0.00083156	0.00074083	0.00081126	0.00091771	0.04453127
26.1686	0.43518754	0.20573339	0.03219245	0.01578801	0.00525508	0.14481162	0.37870571
26.1362	0.00891499	0.04835404	0.00048061	0.00044523	0.00048254	0.00051856	0.00178953
27.5342	0.15566093	0.17288918	0.00089163	0.0007968	0.00087042	0.00689777	0.11366085
26.3419	0.25517836	0.16669049	0.00977679	0.00780955	0.00210564	0.05739757	0.2291891
27.8676	0.04355568	0.06456453	0.16240131	0.00640859	0.00131807	0.00281377	0.05950854
27.1218	0.13788109	0.07130299	0.00055105	0.00049032	0.00053746	0.00385398	0.0802727
27.4897	0.17423661	0.04543772	0.0070616	0.0042584	0.00229381	0.00866803	0.23567674
26.8607	0.23604238	0.0309559	0.01141134	0.00340249	0.00147607	0.01445262	0.17409511
26.4722	0.21026705	0.11368945	0.00958652	0.00156854	0.00170398	0.14567183	0.5488237
26.9795	0.40134112	0.03916589	0.01082705	0.00818969	0.00352209	0.05244113	0.43710507
26.4065	0.12788474	0.1080391	0.57144336	0.01421192	0.00234082	0.01770546	0.22139053
26.2629	0.10219769	0.40452036	0.00067132	0.00059485	0.00065421	0.00152918	0.01405687
26.7315	0.23586334	0.0509305	0.00427568	0.00132146	0.00069868	0.02465424	0.07743969
26.4201	0.19126829	0.04376298	0.00866363	0.00562419	0.0036399	0.06114598	0.51284994
26.2942	0.17143301	0.05075617	0.00134225	0.00178998	0.00128359	0.0030759	0.07439082
26.5322	0.39987839	0.09760988	0.00364591	0.00549784	0.00118642	0.1068805	0.57204113
26.933	0.13280069	0.08697517	0.00118215	0.00051063	0.00055753	0.00198562	0.06807806

27.0107	0.24252977	0.02562866	0.00090145	0.00081727	0.00088262	0.0632299	0.21000561
25.8951	0.07196546	0.09848712	0.0005511	0.00048735	0.00053684	0.00127275	0.01264364
26.5121	0.14988154	0.0908882	0.04365117	0.02176266	0.00075492	0.02607314	0.25716831
26.6493	0.11319467	0.13295506	0.00067112	0.00061537	0.00066642	0.00376944	0.1146536
26.3984	0.22477007	0.03055513	0.00072113	0.00502408	0.03209258	0.06607742	0.177164
26.6405	0.56238702	0.15533032	0.00612971	0.00371039	0.00200117	0.3680967	1.31247273
26.3407	0.29196254	0.04283466	0.01223004	0.00483957	0.00224491	0.01262902	0.14805977
25.7707	0.16047777	0.07511636	0.00154275	0.00067349	0.00073393	0.00436349	0.09530776
26.2085	0.00108046	0.01618592	0.00057064	0.00053343	0.00056232	0.00061056	0.0008479
26.4324	0.25599631	0.15392505	0.00848463	0.00594005	0.00183125	0.02612602	0.19342813
25.6872	0.73564869	0.04853934	0.00485875	0.00435069	0.00189804	0.1360637	0.51443915
25.8435	0.000998	0.0038138	0.00056073	0.0004903	0.00052166	0.00057403	0.00074604
25.8866	0.00033324	0.00109241	0.00034029	0.00032369	0.00033657	0.00035809	0.00027997
26.0002	0.22051308	0.07850753	0.00679095	0.00305025	0.00094141	0.08774957	0.41313657
26.5196	0.25667477	0.02712128	0.00095153	0.00086267	0.00093165	0.06691041	0.2649299
26.5856	0.13864149	0.02309032	0	0.14082799	0.00153007	0.06337919	0.29533643
26.8191	0.23979502	0.06755888	0.02038137	0.03674415	0.00300342	0.03581496	0.28215862
26.6778	0.03827121	0.04154137	0.0615277	0.00102873	0.00037349	0.00042525	0.01482044
26.5958	0.20462017	0.04242969	0.00706177	0.0042612	0.00201876	0.10005303	0.33378332
26.8875	0.00265823	0.01732274	0.00133148	0.0012457	0.00131229	0.0014235	0.00209311
25.5818	0.73753567	0.02340847	0.00201314	0.00244114	0.00131491	0.09663279	0.31492158
25.9711	0.649221	0.09990928	0.01727932	0.00623055	0.00336988	0.08599441	0.42070898
26.1426	0.10484102	0.11680341	0.13573676	0.01663325	0.00258188	0.01534127	0.18972495
25.5369	0.00890589	0.03041915	0.00058081	0.00050622	0.0005408	0.00059856	0.00221288
26.138	0.24394286	0.05416561	0.00371708	0.00109607	0.00059605	0.02223589	0.16107284
26.0032	0.11857567	0.07069769	0.02567844	0.00810169	0	0.02577452	0.20898725
27.1217	0.1977116	0.04318496	0.00896368	0.00524841	0.00376962	0.07151903	0.5728681
25.5441	0.30324777	0.10906737	0.00101188	0.00090254	0.00098742	0.07690713	0.25415206
26.413	0.10759575	0.11887943	0.29403871	0.0127477	0.00189189	0.02331033	0.21650436
26.6288	0.29792458	0.02707083	0.01263411	0.00281513	0.001534	0.0079706	0.23553039
27.1321	0.00119891	0.00262828	0.00123131	0.00115505	0.00121425	0.00131313	0.00196255
29.3766	0.06587223	0.10594615	0.00057106	0.00048257	0.00055726	0.00122974	0.01237869
25.8476	0.23035686	0.09686634	0.00432821	0.00383345	0.00138763	0.02084942	0.1428931
25.8626	0.19040666	0.12346884	0.01343034	0.00268542	0.00148253	0.00606108	0.09827582
26.6309	0.23942426	0.05062347	0.00455645	0.15360466	0.00233953	0.05185053	0.31978735
25.2608	0.08154573	0.09471485	0.05978729	0.00990774	0.00204353	0.00630413	0.09301449
25.9102	0.24117896	0.01680092	0.00082181	0.00071652	0.00079826	0.05036342	0.16959984
25.2528	0.0182498	0.02923486	0.00056077	0.00051632	0.00055082	0.00060845	0.00158262
26.432	1.09660327	0.01363775	0.00514866	0.0046457	0.00251807	4.39862076	0.67491004
28.2276	0.34071647	0.03896599	0.00184333	0.00165005	0.00090005	0.10060558	0.24375455
25.4563	0.60743126	0.01710463	0.00268469	0.00241211	0.00175241	0.1398798	0.27289708
25.816	0.14826822	0.13806892	0.00089173	0.0007915	0.00086931	0.00199849	0.07816302
25.7937	0.35423945	0.04471633	0.00155275	0.00139274	0.00076337	0.22413983	0.31155854
25.0772	0.00119472	0.00810049	0.00043066	0.00039214	0.00042205	0.00047199	0.00056779

26.1447	0.37741712	0.04242803	0.00516955	0.00262928	0.00142758	0.02905875	0.27483625
25.0126	0.08586568	0.05993149	0.00030057	0.00026723	0.00029312	0.0066484	0.03006836
24.9874	0.025382	0.05383564	0.000601	0.00056127	0.00060766	0.00068513	0.00286597
25.5039	0.28148718	0.08822692	0.02180813	0.01159206	0.00471874	0.15873693	0.31718454
24.9235	0.03383564	0.0576403	0.12779036	0.00384299	0.00073799	0.00133395	0.02303186
25.6247	0.01684404	0.03587839	0.00052085	0.00047163	0.00050984	0.00057365	0.00139417
24.8647	0.8249236	0.0287429	0.0033857	0.00305441	0.00221426	0.17357416	0.48714302
26.2545	0.37748507	0.06991303	0.00120251	0.00105647	0.00058492	0.00943503	0.11166134
25.499	0.32116618	0.15119771	0.00368617	0.00555211	0.00120526	0.12756614	0.45215012
26.0083	0.15727002	0.01761163	0.00095167	0.11917883	0.00225137	0.06737433	0.30525516
25.4245	1.47264579	0.03180494	0.0042872	0.00386893	0.00209682	0.65499786	0.72285498
25.5284	1.85610354	0.03092462	0.00541867	0.00688632	0.00318751	0.46919241	0.66204751
24.9476	0.23527564	0.06779208	0.00319576	0.00096861	0.0005283	0.02091702	0.12358867
24.9909	0.36456859	0.10135552	0.00381671	0.00342689	0.00185986	0.53727177	0.98954173
26.4653	0.14875765	0.01744308	0.00175269	0.10847218	0.00285641	0.05898629	0.34366688
24.9117	0.3743423	0.11527261	0.01198947	0.0032294	0.00228454	0.15674666	0.38820846
25.6893	0.15945816	0.04528052	0.00625877	0.15256571	0.0035099	0.04317368	0.24128991
24.8365	0.41045633	0.10470057	0.01289264	0.00602702	0.00246682	0.02421743	0.24590482
24.6586	0.93670652	0.02320011	0.00876462	0.00791519	0.00342984	0.21435491	0.61337386
25.2858	0.18541196	0.10540706	0.00062112	0.00055591	0.00060654	0.00435825	0.08437205
24.638	0.04574831	0.08339568	0.01439102	0.00471071	0.00088421	0.00179191	0.03113884
26.109	0.13704794	0.05832843	0.00456689	0.01590913	0.00103098	0.03409541	0.29734347
25.4645	0.31360168	0.04764655	0.00278533	0.00164759	0.00090862	0.17264275	0.49168227
25.4674	0.168602	0.02005833	0.00641257	0.00154486	0.0005468	0.00785944	0.19354657
26.0688	0.02518712	0.04168803	0.18355921	0.00483321	0.00102944	0.00060686	0.01097087
24.5256	0.26114694	0.32522892	0.00109202	0.00097462	0.00106576	0.00612336	0.06092533
24.7154	0.34789342	0.0718164	0.00370702	0.00164971	0.00120202	0.03382621	0.21984316
25.3321	0.21962338	0.04656967	0.00431638	0.00098877	0.00106083	0.43781567	1.75376439
24.8147	0.00073642	0.01660956	0.00048053	0.00044985	0.00047366	0.00051344	0.00064721
25.5837	0.2551335	0.03583983	0.00910705	0.00249129	0.00136851	0.01642317	0.16643613
24.7995	0.21681507	0.04076809	0.0010911	0.00102748	0.00107686	0.65439438	3.09391736
24.4484	0.2366445	0.08380664	0.00482792	0.00241059	0.00051956	0.07055599	0.22749706
25.1401	0.34567708	0.03715562	0.00293602	0.02397334	0.00553023	0.0681241	0.11129518
24.8	0.29178625	0.08852811	0.00090167	0.0008047	0.00087998	0.09479286	0.21873279
24.4297	0.04774579	0.07077848	0.1780226	0.00702641	0.00144594	0.00308537	0.06522931
24.6603	0.41654159	0.10001786	0.00370544	0.00226276	0.00120832	0.4757518	0.99809968
26.0659	0.00081503	0.02355006	0.00056075	0.00051736	0.00055104	0.00060729	0.00078455
25.147	0.26220529	0.06194568	0.00620054	0.00399021	0.00258607	0.02586819	0.12392961
26.0141	0.0142139	0.0194778	0.00046045	0.00043438	0.00045462	0.00048841	0.00145488
24.2369	0.00212463	0.02078075	0.00106114	0.00099509	0.00104636	0.00113199	0.00168864
24.3988	0.28215471	0.09794038	0.00829477	0.00329627	0.00179085	0.08165665	0.18387762
24.9276	0.62252846	0.00921275	0.00723242	0.00586169	0.00212523	0.98882191	0.41294013
26.0322	0.4973664	0.11558005	0.00518958	0.00308566	0.00168184	0.03083263	0.22175642
26.8673	0.22771493	0.16188586	0.00087175	0.00076996	0.00084898	0.00770102	0.09099388

24.7371	0.00048626	0.0010318	0.00050058	0.00046688	0.00049304	0.00053673	0.00074865
24.7592	0.00056499	0.00119575	0.00057062	0.0005438	0.00057239	0.00062015	0.00088582
24.2573	0.35474866	0.16848245	0.02862731	0.01461484	0.00406761	0.11949556	0.31209748
24.379	0.19111573	0.08763513	0.00464753	0.00791246	0.00231408	0.02287021	0.31045022
24.3755	0.18160519	0.02193196	0.00625987	0.02309184	0.00317863	0.06095047	0.2415556
24.7957	0.23369691	0.09089791	0.0046172	0.00279631	0.00151116	0.43206596	0.75353427
24.4813	0.19004377	0.0571827	0.17829405	0.01755236	0.00214661	0.02149537	0.20522427
24.0027	0.08730932	0.10141281	0.06420373	0.01061356	0.0021909	0.00675203	0.09959976
25.0337	0.29102759	0.1740413	0.0006913	0.00061577	0.0006744	0.00775684	0.10750077
24.7366	0.30356117	0.10615985	0.00921512	0.00278202	0.0009999	0.25730656	0.3900949
24.68	0.16571128	0.07188288	0.00796398	0.00460608	0.00194803	0.0476869	0.29662564
23.871	0.22839555	0.07651581	0.00075144	0.00066799	0.00073277	0.07361135	0.16900657
26.5427	0.02135164	0.03535211	0.15566366	0.00409884	0.00087258	0.00051857	0.00929718
23.8159	0.15419037	0.09907968	0.0424089	0.00976944	0.00182369	0.00574682	0.0801579
24.0233	0.13258695	0.04760327	0.00418624	0.00381456	0.00164009	0.0621477	0.24428358
24.9397	0.22906188	0.14927757	0.00078107	0.00071892	0.00076717	0.00166288	0.04269139
24.8133	0.14148354	0.09292776	0.00081158	0.00071967	0.00079102	0.0018316	0.08309301
24.6951	0.19270277	0.04100572	0.00706202	0.00222055	0.00110689	0.09954969	0.32183122
23.7799	0.04538465	0.06728308	0.1692206	0.00667601	0.00136725	0.00293327	0.06200558
24.1534	0.26441951	0.12890101	0.00827782	0.01532776	0.00128585	0.03498322	0.08300106
25.4579	0.00034184	0.00039362	0.00035034	0.00033032	0.00034587	0.00037182	0.00027758
24.0613	0.31524423	0.07530345	0.00534964	0.00205393	0.00149686	0.04841777	0.2830319
23.9814	0.27533095	0.28111177	0.00107195	0.00095883	0.00104664	0.00595533	0.05099414
25.2191	0.03551989	0.03779066	0.18257593	0.004179	0.00100081	0.00057164	0.01588226
23.6939	0.04761997	0.07060007	0.17760203	0.00700796	0.0014361	0.00307451	0.06507208
23.5887	0.00043177	-0.00120262	0	0	0	-0.00052997	0.00249297
24.7316	0.41822231	0.01578664	0.00166271	0.00099732	0.00053921	0.38422056	0.47049929
24.015	0.34894887	0.15419631	0.00478783	0.00756902	0.00116662	0.12745908	0.47889003
23.8998	0.35335628	0.10883411	0.0113284	0.0030479	0.00215707	0.14798109	0.3662554
23.5228	0.04821411	0.03047519	0.00054079	0.00046727	0.00050102	0.00369409	0.00657029
23.8562	0.23954694	0.051504	0.00539872	0.00555471	0.00224556	0.00932667	0.16141592
24.0102	0.00114049	0.00249304	0.00117125	0.00109885	0.00115505	0.00124891	0.00186281
23.4594	0.87736445	0.03563939	0.00465828	0.00501264	0.00182027	0.35673135	0.55484722
23.4611	0.29764991	0.05862189	0.00620153	0.00276138	0.00150559	0.10285135	0.37153917
23.6935	0.38971257	0.04672864	0.0041574	0.036151	0.004208	0.05189674	0.14747061
23.5549	0.30737623	0.04113774	0.00087131	0.00079519	0.00085428	1.39788435	1.5102122
25.9188	0.07518541	0.22558869	0.00071126	0.00063783	0.00069484	0.0024369	0.01693079
23.3626	0.13946486	0.07630704	0.00050094	0.00044609	0.00048867	0.00351545	0.06249691
23.7177	0.04291518	0.07962445	0.19745215	0.00499942	0.00142688	0.00195151	0.03425305
23.316	0.10811843	0.12045515	0.13996318	0.01714457	0.00266042	0.01581272	0.19566854
24.3813	0.00040779	-0.00115933	0	0	0	-0.00050257	0.00235883
27.0944	0.06285823	0.1041572	0.32029803	0.00748771	0.001992	0.00305468	0.05792861
23.1662	0.09839285	0.10962563	0.12737401	0.01561086	0.00242481	0.01439814	0.17806945
24.0487	0.00066515	0.00112659	0.00035032	0.00033157	0.00034613	0.00037044	0.00028215

23.9151	0.51414141	0.15481061	0.02839358	0.01133021	0.00321953	0.19666109	0.76919172
25.168	0.02759011	0.03296932	0.15920511	0.00412404	0.00097094	0.00056182	0.0113865
23.29	0.00075939	0.00250786	0.00078087	0.00073031	0.00076956	0.00083511	0.00059712
24.6125	0.00050665	0.00108104	0.00052056	0.00048781	0.00051324	0.0005557	0.00080302
23.7605	0.08513329	0.05955423	0.00055099	0.00049343	0.00053812	0.00317509	0.05447855
23.7114	0.00231591	0.0223274	0.00058066	0.00054234	0.00057209	0.00062177	0.00179601
24.1505	0.01192569	0.02349053	0.00045065	0.00041265	0.00044215	0.00049143	0.00154868
23.3473	0.01302782	0.02412402	0.00041066	0.00037205	0.00040203	0.00045209	0.00115372
23.1104	0.10714482	0.11936811	0.1387213	0.01699847	0.00264078	0.0156702	0.193893
24.0852	0.14721964	0.25984027	0.00072125	0.00064862	0.000705	0.00238641	0.01602488
23.5349	0.00061323	0.00132197	0.00063071	0.00058956	0.0006215	0.00067485	0.00048115
23.5596	0.23589813	0.04902701	0.00290444	0.00177047	0.00095219	0.17929144	0.53629463
22.8688	0.09667314	0.04214297	0.00051071	0.00046945	0.00050148	0.02100192	0.03089008
23.9746	0.39067435	0.05190876	0.00092173	0.00163329	0.00089922	0.07898298	0.31263717
23.3665	0.11092566	0.0753432	0.56636943	0.01165693	0.00199374	0.01095381	0.14136983
23.4897	0.00064212	0.0027916	0.00063072	0.00061689	0.00065094	0.00070782	0.00050131
22.7509	0.00034304	0.00111303	0.00035029	0.00033321	0.00034647	0.00036862	0.0002882
22.8674	0.08613536	0.0762577	0.02495068	0.00312837	0.0009608	0.00164406	0.03823613
23.855	1.1754115	0.03538004	0.00752309	0.00772638	0.00315269	0.42965917	0.65258232
24.1169	0.08320494	0.0806796	0.12520053	0.00573361	0.00132532	0.00217106	0.04390596
22.7029	0.48849399	0.08099493	0.00318546	0.00358072	0.00155724	0.02025689	0.27667508
22.692	0.24572719	0.07033274	0.00514743	0.00117444	0.00125782	0.40673358	1.41753168
22.7662	0.18604459	0.03938656	0.00276448	0.00249521	0.00067657	0.04929335	0.30754358
23.9797	0.01510678	0.08584775	0.00065095	0.0005956	0.00063857	0.00071033	0.00721739
23.632	0.08652173	0.0262297	0.02415217	0.0037176	0.00134126	0.0053538	0.05839619
22.7678	0.00063233	0.00136472	0.00063072	0.00060741	0.00064105	0.00069724	0.00099407
22.994	0.37111724	0.05139726	0.00301549	0.00337771	0.00147699	0.18977549	0.28186601
24.3037	0.15827349	0.2707951	0.00090171	0.00080243	0.0008795	0.00395445	0.04411671
24.4916	0.16977473	0.1032979	0.04984863	0.00724047	0.00183984	0.01387624	0.10518324
23.0239	0.41906398	0.1765046	0.00526835	0.00716551	0.00128504	0.14581354	0.59190411
23.8965	0.09118837	0.27360046	0.00086153	0.00077258	0.00084163	0.00295989	0.02053753
23.8968	0.00157711	0.00390746	0.00029047	0.00026319	0.00028437	0.00031973	0.00090383
23.5139	0.01050161	0.07970626	0.00061089	0.00055896	0.00059928	0.00066661	0.00670568
23.667	0.25018468	0.13419542	0.00092189	0.00081197	0.0008973	0.01861491	0.13512693
22.7604	0.53703274	0.11618625	0.00565115	0.00213807	0.00157183	0.05325294	0.3146442
22.201	0.22312185	0.03933596	0.00099179	0.0008969	0.00048917	0.01957916	0.17163184
22.4434	0.0037489	0.01491841	0	0	0	0.00035525	0.000203
25.4546	0.00038112	-0.00105342	0	0	0	-0.00046801	0.00220094
22.6071	0.25104472	0.03539001	0.0009016	0.00080868	0.00088081	0.15090415	0.2468525
22.7452	0.00050286	0.00084053	0.00027038	0.00024854	0.00026549	0.0002938	0.00036789
22.5291	0.0005552	0.0011959	0.00057063	0.00053431	0.0005625	0.00060958	0.00088499
22.0553	0.33438714	0.0606467	0.00090174	0.00080066	0.00087913	0.06055438	0.26401082
22.2327	0.07420339	0.08785814	0.06143117	0.01051512	0.00206256	0.0090701	0.13379402
23.0065	0.02023258	0.02282331	0.00038049	9.2636E-06	0	0.0016225	0.00217962

22.5973	0	0	0	0	0	0	0
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21.6556	0.01685786	0.06754868	0.00022042	0.00019619	0.000215	0.0002464	0.00711852
23.3035	0.16598861	0.28398792	0.00094179	0.00083809	0.00091859	0.00414489	0.04626819
21.5961	0.30116942	0.03357931	0.00771411	0.00250709	0.00136923	0.0171756	0.17725558
22.6036	0.03289817	0.05694536	0.24463976	0.00494444	0.0009122	0.00122215	0.01851214
21.9763	0.18428556	0.04992519	0.00420692	0.00152192	0.00082339	0.17646558	0.39434064
22.1717	0.02057224	0.02262898	0	0	0	0.00189711	0.00195518
22.9559	0.15700571	0.11833089	0.00059098	0.00053418	0.00057827	0.00128172	0.02834517
22.3801	0.28447184	0.06621671	0.00610015	0.00206306	0.00074481	0.07376091	0.51662474
21.4142	0.06877896	0.03728582	0.00054078	0.00049538	0.00054045	0.00538183	0.00343054
21.4855	0.17924713	0.0335512	0.00226383	0.00102055	0.0005486	0.10497315	0.35289203
21.5684	0.23570325	0.04039475	0.00093155	0.00084132	0.00091137	4.09186527	0.73013229
22.0664	0.00982035	0.01525563	0.00031047	0.00028289	1.9632E-05	0.0006582	0.0006035
21.0726	0.01316415	0.01840459	0.00034051	0.00031082	0.00033387	0.00037236	0.00093728
21.9046	-0.0004469	0.00211149	0	0	0	0	0
22.3068	0.01402571	0.07968529	0.00061089	0.00055896	0.00059928	0.00066661	0.00670561
22.2586	0.06500679	0.0259609	0.06885755	0.00348319	0.00125375	0.00356862	0.03803159
20.8519	0.04764771	0.08345412	0.24775511	0.00607358	0.00159798	0.00142376	0.02937014
21.0524	0.03786914	0.06200438	0.05877819	0.00497661	0.00112412	0.00133118	0.02595226
20.7132	0.310672	0.10887416	0.00587109	0.00223886	0.0016321	0.05529599	0.23539572
20.6146	0.30796485	0.09350278	0.00514788	0.00351292	0.00125645	0.28441327	0.62636247
21.1988	0.21155691	0.14754255	0.00075109	0.00068803	0.00073698	0.00159379	0.04717353
20.8023	0.03015596	0.04756002	0.00038062	0.00034454	0.00037255	0.00121383	0.00072223
21.4907	0.00168003	0.01673118	0.00043052	0.00040006	0.00042371	0.00046321	0.00159891
22.7366	0.1451739	0.20964525	0.00075135	0.00067308	0.00073384	0.00327442	0.03242082
20.2142	0.21663398	0.1192215	0.46247256	0.0198124	0.00349056	0.02352626	0.23808464
20.9134	0.02652299	0.11546658	0.00064115	0.00057416	0.00062617	0.00071303	0.00753676
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19.9716	0.26924181	0.19018376	0.02807044	0.00651387	0.00203509	0.00924607	0.10451833
20.3257	0.2310977	0.03488989	0.00205363	0.00091701	0.00099836	3.32438262	0.8270354
20.1888	0.18853797	0.12233402	0.01024702	0.00592789	0.00177388	0.01150659	0.09719137
20.6593	0.00040587	0.00398596	0.0002103	0.00019297	0.00020642	0.00022889	0.00014731
20.474	-0.000437	0.00110014	0	0	0	0.00168286	0
20.256	0.04041336	0.08876752	0.17353462	0.01059113	0.00105572	0.00085018	0.05118281
19.8246	0.17619813	0.01460904	0.00714531	0.00250057	0.00139316	1.79334124	0.20648904
18.9017	0	0	0	0	0	0	0
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20.6789	0.0297852	0.04202385	0.09924359	0.00525033	0.00122676	0.00073575	0.0129671
19.4677	0.02330821	0.03213512	0.00028045	0.00025432	0	0.00061697	0.0007419
19.8519	3.9203E-05	0.00041773	0	0	0	0	-0.00051825
18.3863	0.19576868	0.02002414	0.00546977	0.0016341	0.00118403	0.84564607	0.36606327
19.1584	0.00164436	-0.00217206	0	0	0	-0.00415989	0
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18.2922	0.16302808	0.00729052	0.00272551	0.00120273	0.00066348	2.44442878	0.22674059
18.2846	0.05269977	0.02165847	0.0004806	0.0004459	0	0.00477909	0.00327148
17.8208	0.0003189	-0.00061659	0	0	0	-0.0003751	0
18.75	0.17666587	0.13162773	0.00069138	0.00061105	0.00067341	0.00614158	0.06967094
18.0935	0.18718645	0.01792524	0.00877735	0.00282041	0.00155223	2.09742801	0.21154375
18.1077	0.00015626	0.00138836	0	0	0	9.6526E-05	0.00028427
18.8469	0.29818097	0.02032497	0.00587069	0.00131696	0.00071403	1.07273499	0.51381979
17.9965	0.14857469	0.03911344	0.00895745	0.00264803	0.00145513	1.37131823	0.37122664
18.3229	0.16026109	0.02519952	0.00346679	0.00122541	0.00067376	0.5883725	0.23399294
18.9392	0.16971402	0.02464602	0.00721242	0.00216362	0.00078345	0.9677055	0.61811081
18.0685	0.21802155	0.02379381	0.00628154	0.00187038	0.00135931	1.11804097	0.31774709
17.4659	0.28810485	0.0204249	0.00497909	0.0012717	0.00069442	1.08418101	0.52025495
17.1152	0.12139313	0.02169476	0.00898577	0.00293276	0.00159562	1.30372926	0.4264848
17.3675	0.00091306	0.00828976	0	9.309E-06	0	0.00034453	0.00023861
17.2296	0.00161564	0.01144493	0	0	0	0.00010059	0.00068879
18.5161	0.00090282	0.01307953	0.00046077	0.00041613	0.00045078	0.00050865	0.00092159
17.3128	0.00433886	-0.01272801	0	0	0	0	0.03755774
16.7932	0.00399029	0.01161884	0	0.0003266	1.961E-05	0.00039705	0.00160015
17.1102	-0.00068418	0.00159382	0	0	0	0.00230706	-0.00709492
17.0637	0.13401647	0.00603387	0.00508975	0.00201242	0.00110399	1.56029257	0.1997667
17.6606	0.00040641	0.00628779	0	0	0	0.00045633	0.00029944
17.5698	0.00028497	-0.00045945	0	0	0	-0.00021089	0
16.9935	0.09717295	0.12228217	0.00051107	0.00044916	0.00049722	0.00113231	0.0192671
17.4628	0.00056863	0.01198173	0.00030046	0.00027381	0	0.00032905	0.00020359
16.5791	0.13891062	0.02269314	0	0.00080203	0.00043181	1.66331949	0.16923758
17.0443	0.00039656	0.00524143	0	0	0	0.00044594	0.00029072
16.1333	0.00037094	0.00039393	0	0	0	0.00040423	0.00029959
16.6774	0.23057253	0.00882473	0.00295565	0.00105105	0.00057645	0.55106159	0.22892445
16.0268	0.00028756	4.327E-05	0	0	0	0	0
16.4792	0.16584898	0.02839718	0.00297519	0.00133242	0.0007245	1.69221283	0.25819295
16.3401	0.31210517	0.01743764	0	0.00107628	0.00058607	0.84993067	0.22002671
15.8379	0.14595117	0.0130218	0	0.00043956	0.0004794	1.73435287	0.179992
16.2539	0.13041648	0.01378271	0	0.00085944	0.00046944	1.7668287	0.13679141
16.2934	0.05857251	0.06881265	0.145518	0.00465404	0.00135517	0.00108404	0.02780757
15.9492	0.20994553	0.00739385	0.00576131	0.00204177	0.00112287	0.6093046	0.1947731
15.4416	0.00062965	0.00377842	0	0	0	0.00015266	0.0004881
15.2719	0.1466223	0.0190939	0	0.00072676	0.00040115	1.87332996	0.1182666
15.4559	0.1047819	0.00958672	0.00045084	0.00040231	0.00043998	1.73818414	0.11178019
15.3709	0.17277179	0.0290373	0.00340635	0.00121505	0.00066477	0.98169972	0.23756052
15.6005	0.00530205	0.01853062	0.00015028	0.00013384	0.00014661	0.00051495	0.00214259
15.6117	-0.00012197	0.00108526	0	0	0	0	0
15.0745	0.00043097	0.00432685	0	0	0	9.3481E-05	0.00050239
15.6509	0.00022319	0.00194763	0	0	0	0.00013799	0.0004058
15.4342	0.00160643	0.01137743	0	0	0	0.00010054	0.00068478

14.8033	0.22897899	0.0173201	0.00324604	0.00174253	0.00127094	0.68655532	0.24611912
15.0371	0.00438828	0.04673665	0.00023038	0.00020825	0.00022543	0.00024307	0.00133663
14.3938	0.00063829	0.00515841	0	0	0	8.7667E-05	0.00094103
13.6055	0.12879724	0.02806488	0.00042074	0.00075531	0.0004111	1.21378463	0.14960078
13.7586	0.01522577	0.02422238	0.04527402	0.00221189	0.00046077	0.00056288	0.00636221
13.5444	0.00071453	-0.00105334	0	0	0	-0.00064201	0.00172401
13.1475	0.01113951	0.05210242	0.0002104	0.00018698	0	0.00107669	0.00426576
12.9315	0.00017397	0.00048206	0	0	0	0.00015939	0
13.2295	0.00027313	-0.00019845	0	0	0	-0.00021599	0
13.081	0	0.01124192	0	0	0	0	0
12.464	0.00125881	0.01430337	0	0	0	0.00079474	0.00044627
12.0345	-0.00016154	0.00177869	0	0	0	0	-0.00245712
13.4846	0.0002428	0.00232274	0	0	0	6.8095E-05	0.00022408
12.4026	0.00022083	0.0009047	0	0	0	0.00021777	0
11.8401	0.00020783	-0.00066798	0	0	0	-0.00022506	0
10.933	0.00023064	0.00050878	0	0	0	0	7.8463E-05
10.1635	0.00050862	-0.00011261	0	0	0	-0.00013205	0
9.9245	0.00239575	0.00631276	6.0115E-05	5.3415E-05	0	6.7303E-05	0.00094774
9.6165	0.00613814	0.01461375	0.00017032	0.00015201	0	0.00018996	0.00247823

IL	IN	IA	KS	KY	LA	ME	MD	MA
0.29939238	0.58454255	0.09587019	0.03314984	0.1909499	0.00733925	0	0.0069631	0
0.04899986	0.26311917	0.02012821	0.00572323	0.11019048	0.0289478	0.00244776	0.0426788	0.00190115
0.16062892	0.44075454	0.07197201	0.00976066	0.08100289	0.00294089	0.01304939	0.07920035	0.01986415
0.26027563	0.43907497	0.11463914	0.04739276	0.12101106	0.00553901	0.00123937	0.04753129	0.00307592
0.05889537	0.3164675	0.02427075	0.00689009	0.1325345	0.03484337	0.00295605	0.05151175	0.00228342
0.17064639	0.4722041	0.07664552	0.01038364	0.08703691	0.0031365	0.01397751	0.09149555	0.02117048
0.89848351	0.59904027	0.29854381	0.05249013	0.13898565	0.08088946	0.0037059	0.01089945	0.00234218
0.20373102	0.42789758	0.07534239	0.01896568	0.12396173	0.00508733	0.00135708	0.03408166	0.00247128
0.11403529	0.28721788	0.09106541	0.04364213	0.09358592	0.04820395	0.00354133	0.05363787	0.00265735
0.11755566	0.15003251	0.0405321	0.04365069	0.23783045	0.10451961	0.00158464	0.09366844	0.00485367
0.57529926	0.23169712	0.31586622	0.11835272	0.04636906	0.0225285	0.00058268	0.01020294	0.00150958
0.0574197	0.31352867	0.01834286	0.01224081	0.15307287	0.04280096	0.00138129	0.04806469	0.00122819
0.18930637	0.350616	0.09734315	0.04645635	0.10519453	0.00776473	0.00107364	0.0336311	0.00205143
0.37847743	0.1832739	0.37764123	0.04719018	0.00937131	0.0044838	0.00263806	0.007832	0.00128551
0.03916173	0.08119266	0.02244912	0.01611256	0.09795226	0.03119605	0.00041097	0.37300475	0.00145571
0.41114656	4.65777418	0.11888556	0.02398081	0.20958167	0.00491564	0.00786471	0.05234561	0.00925319
0.43397411	4.91510228	0.12545832	0.02530691	0.22115973	0.00518299	0.00829596	0.05523007	0.00976557
0.42194889	4.77837608	0.12196245	0.02460365	0.21500908	0.00503901	0.00806403	0.05369205	0.00950435
0.22552883	0.448011	0.09666041	0.0241581	0.13412375	0.00580937	0.00153106	0.05842826	0.00376861
0.0537613	0.28873734	0.02210742	0.00627647	0.1209199	0.03177626	0.00269029	0.04690073	0.00208222
0.33883917	0.16400325	0.33792118	0.04041019	0.0083843	0.00401177	0.00236016	0.00700264	0.00115495
0.05099329	0.16578521	0.02514984	0.02380996	0.15252677	0.02858838	0.00068306	0.07042851	0.00079404
0.10529327	0.12957624	0.09441171	0.04988148	0.21441206	0.04770773	0.00135386	0.08017566	0.00416035
0.19557404	0.53305125	0.03436019	0.02361272	0.18721391	0.01122489	0.00618925	0.04844751	0.0077138
0.60048117	0.24184343	0.32970418	0.13204985	0.04839927	0.02350485	0.00060567	0.01064818	0.00156997
0.06063379	0.29855686	0.02499452	0.01129434	0.1451456	0.04995459	0.00212307	0.03982477	0.00169125
0.22625177	0.37407591	0.09973616	0.04104418	0.1069024	0.00516311	0.00115808	0.04929885	0.00286439
1.02088648	0.4641616	0.27943095	0.04592492	0.15259985	0.03305632	0.00312041	0.01169742	0.00235214
0.0739394	0.38321704	0.02679201	0.01329115	0.18729686	0.0511618	0.0026603	0.04772724	0.00209291
0.84567279	0.61193913	0.25545466	0.04296324	0.13346804	0.07732806	0.0034026	0.00992976	0.00213068
0.80883842	2.0877754	0.24078138	0.03404362	0.21343983	0.01579419	0.00236294	0.01330371	0.00178655
1.29067184	0.39246555	0.46320029	0.12031556	0.12467828	0.01540711	0.00210078	0.01253377	0.0017697
0.14959248	0.41236145	0.06720233	0.00910724	0.07590219	0.00274478	0.01221956	0.08005708	0.01855723
0.16942153	0.46698658	0.07610158	0.0103135	0.08595842	0.00310594	0.01383477	0.09066558	0.02101008
0.23303243	0.48838056	0.086016	0.02165766	0.14139779	0.00578589	0.00154917	0.03880911	0.00281281
0.0744701	0.31277625	0.04931075	0.00800333	0.09908029	0.02253772	0.00272415	0.01903415	0.00206389
0.35267047	0.83406582	0.04459163	0.08943187	0.19492879	0.02003822	0.0045053	0.04452485	0.00684882
0.14880072	0.25122394	0.07257721	0.0226289	0.11420983	0.02784207	0.00093847	0.01128477	0.00292684
0.195126	0.33439862	0.16260442	0.04551496	0.08181673	0.0258122	0.00452933	0.0736761	0.00889017
0.03004006	0.05579005	0.00935565	0.00399684	0.01627588	0.00066681	0	0.00124455	0
0.46369953	5.25078053	0.13402311	0.02703488	0.23625935	0.0055429	0.00886803	0.05898927	0.01043871
1.11844762	0.42828622	0.3619589	0.11273197	0.10625546	0.0588329	0.00397019	0.01476167	0.00246251
0.04465463	0.34140057	0.01301916	0.00924959	0.13956371	0.05346856	0.00323327	0.0549918	0.00284854

0.67104191	1.11576446	0.23168947	0.03989369	0.2764085	0.03598203	0.00214021	0.01511025	0.00171843
0.45957628	0.1538511	0.37621492	0.04584564	0.03146887	0.00528347	0.00177712	0.00592474	0.0011669
0.39465093	4.46905218	0.11407192	0.02301632	0.20108783	0.00470993	0.00754193	0.05021197	0.00888144
0.17320995	0.34403445	0.06161386	0.03662325	0.10432295	0.0048515	0.00099706	0.0034258	0.00237002
0.23986729	0.50183484	0.08201062	0.0245528	0.21516895	0.00607215	0	0.07526003	0
0.10256879	0.13178246	0.04846575	0.02650639	0.11884091	0.04620293	0	0.26351064	0.00069307
0.29410097	0.09727778	0.36374907	0.07242154	0.05695113	0.01000648	0.0015712	0.00414857	0.00064256
0.29352581	0.90402536	0.03922377	0.02480566	0.16220914	0.01442262	0.00884527	0.06109983	0.01118635
0.19778977	0.53910211	0.03474879	0.02388424	0.18933976	0.01134903	0.0062605	0.04899072	0.00779425
0.82004969	1.08060332	0.21807098	0.0307189	0.2046318	0.05537048	0.00304031	0.01239917	0.00221941
0.52198741	0.17475531	0.42736452	0.05206619	0.03574843	0.0060087	0.00201969	0.00673302	0.00132785
0.22647819	0.47551795	0.08373603	0.02108523	0.13774952	0.00565254	0.00150702	0.03786358	0.00274251
0.18509694	0.50996969	0.08313111	0.01126846	0.09385528	0.00340519	0.01511032	0.09900641	0.02296032
0.31676422	0.74981277	0.03999938	0.0802995	0.17512064	0.01792635	0.00404079	0.03985998	0.00613469
0.77341119	0.17606323	0.46789541	0.08789357	0.05105537	0.06791311	0.00056696	0.0072179	0.00071455
0.07061719	0.08991871	0.05934483	0.01448512	0.06275642	0.0304479	0.02236008	0.3707027	0.05267922
0.04353999	0.08710364	0.02238868	0.02093786	0.0739152	0.0232019	0.0006957	0.06066137	0.00081424
0.90615134	0.20578016	0.99447514	0.08489102	0.05629452	0.04084557	0.00058574	0.00599089	0.00074331
0.40087143	1.02511207	0.23271791	0.0474956	0.37434145	0.00989484	0.00183008	0.06180984	0.00352214
0.54045139	2.4641438	0.14809463	0.02052961	0.06071706	0.06154838	0.00314114	0.00755201	0.00211622
0.20685244	0.56572973	0.03625328	0.02513013	0.19920483	0.01163562	0.00644809	0.05036365	0.00804532
0.16373646	0.22861521	0.08764922	0.03832861	0.24642884	0.03981716	0.00076166	3.0273419	0.00091406
0.5011941	0.12731809	1.06471406	0.05441364	0.03164746	0.01533153	0.00046445	0.00419212	0.00058271
0.22661822	0.61414227	0.03876513	0.02617404	0.18025163	0.01241353	0.00675293	0.05238425	0.00851059
0.15096355	0.35398009	0.03110526	0.02803094	0.059406	0.00507198	0.00431188	0.02446547	0.00630201
0.21704549	0.49290066	0.09248585	0.01234864	0.06315674	0.0030978	0.00621259	0.02392998	0.01106307
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.0490098	0.47542246	0.02457459	0.00758354	0.18555233	0.006146	0.00218354	0.0412919	0.00476397
0.14339541	0.31284315	0.0331558	0.02932331	0.0478937	0.00386016	0.00453829	0.03930153	0.00709748
0.15638092	0.48162642	0.26721072	0.05397234	0.33966153	0.00866198	0.00067047	0.05188352	0.00186333
0.41444679	0.66431865	0.31226018	0.05184566	0.24067357	0.00855604	0.00153492	0.03682539	0.00203449
0.06221453	0.1314579	0.03379467	0.03083863	0.10739156	0.03004704	0	0.16421063	0.0008145
0.85291125	0.61163993	0.25550949	0.04253919	0.13273803	0.07656518	0.00336881	0.0097995	0.00212053
0.16515805	0.23058386	0.08843021	0.03868025	0.15487787	0.04016695	0.00076994	3.05471934	0.00092411
0.05406158	0.37897162	0.01487095	0.01035615	0.15014737	0.05531131	0.00334884	0.05535961	0.00222435
0.05479557	0.29435707	0.02257258	0.00640727	0.12326915	0.03241951	0.0027523	0.04787821	0.00212247
0.04069043	0.08287791	0.02723431	0.00988033	0.07625141	0.02180287	0.00041591	0.26670932	0.0015564
0.35231344	1.60168652	0.08086681	0.01395834	0.23100233	0.00633116	0.00393501	0.03992142	0.0037211
0.09101621	0.33594938	0.06215298	0.00994384	0.10806885	0.02666318	0.00340435	0.04779263	0.00253645
0.14996581	0.29954283	0.0645997	0.0161392	0.08977657	0.00390426	0.00103074	0.03920147	0.00253255
0.35624279	0.8434164	0.04497447	0.09030526	0.19695543	0.02015	0.00454055	0.04479832	0.00688893
0.13487209	0.40054773	0.01088292	0.01681084	0.20803835	0.00766643	0.00589271	0.04608658	0.00799363
1.16092703	0.44526096	0.37648447	0.12390529	0.11070932	0.06143761	0.00414563	0.01542969	0.00257312
0.58499532	0.13522237	0.48609011	0.0533062	0.0312268	0.00986437	0.00096941	0.00682082	0.00063331

0.23666306	0.4852875	0.10038084	0.02354312	0.13693311	0.0055079	0.00144649	0.03902758	0.00357736
0.30378683	2.09022147	0.06660823	0.12623157	0.1830576	0.01899411	0.00735947	0.05588923	0.0094003
0.03997975	0.07757511	0.02120219	0.01945505	0.06464957	0.02131467	0.00051181	0.04495042	0.00246341
0.63738743	0.26496732	0.40215154	0.05280989	0.03798175	0.0037107	0.00248662	0.00682064	0.00123567
0.03695229	0.07228452	0.01184858	0.00409482	0.02362111	0.00090976	0	0.00086309	0
0.28075618	0.55804271	0.11590259	0.01742274	0.05532523	0.0037538	0.00566369	0.01437028	0.01172947
0.11687596	0.30036507	0.06950119	0.02103694	0.09286424	0.08762436	0.01074468	0.0784629	0.0175051
0.21926771	0.63818347	0.03605624	0.02425934	0.16940418	0.01132635	0.00542932	0.04417774	0.00779523
0.35577767	0.17175569	0.35387549	0.04241336	0.00876968	0.00418587	0.00246269	0.00731211	0.00120515
0.07098615	0.13975973	0.03604024	0.03277577	0.1182942	0.04109861	0.00071496	0.09195155	0.00399039
0.71435774	0.38680418	0.24466004	0.04196637	0.13935794	0.051296	0.00211977	0.01068474	0.00201096
0.16346921	0.22823111	0.08752141	0.03827845	0.15329453	0.03975592	0.0007616	3.02289871	0.00091406
0.60888364	0.2452125	0.41881032	0.13391155	0.0490715	0.02383722	0.00061334	0.01079028	0.00159009
0.22298011	0.62456123	0.05839129	0.01670254	0.22748242	0.02592382	0.00208145	0.02231457	0.00198109
0.44604805	1.15946201	0.26279784	0.03715324	0.29190982	0.00824663	0.00255385	0.04437635	0.00314998
0.3887358	3.43040525	0.13877655	0.02834265	0.19429509	0.00690952	0.00764589	0.06188245	0.00965944
0.20529008	0.31958509	0.09706243	0.03326673	0.09305097	0.00519613	0.00082536	0.00291059	0.00201961
0.0496941	0.0993233	0.02423415	0.02213466	0.08397628	0.02564374	0.0005938	0.05558216	0.00072346
0.29726271	0.91558038	0.03971837	0.02512757	0.16432311	0.01461955	0.00897003	0.06190755	0.01133726
0.22464162	0.61265689	0.03822994	0.02613148	0.17969825	0.01187881	0.00650669	0.05031299	0.00822818
0.205674	0.47144681	0.09201754	0.01240619	0.05764437	0.00295378	0.00574306	0.02182001	0.01046641
0.15412175	0.37401407	0.08403895	0.01336691	0.08668411	0.00550421	0.00125418	0.11791547	0.00226143
0.40881768	1.06288507	0.19232068	0.03404366	0.26767459	0.00755067	0.00233932	0.04068212	0.00288831
0.16151072	0.29486006	0.06257077	0.0210873	0.1204051	0.00469225	0.00090867	0.00843487	0.00225157
0.77043393	0.17540342	0.46627355	0.08192626	0.05086461	0.06767507	0.0005669	0.00719881	0.00071455
0.21005657	0.55087491	0.21224589	0.0368193	0.23575378	0.00627024	0.00112866	0.0327873	0.00156154
0.05695268	0.29909251	0.02262917	0.01308903	0.13583241	0.03276663	0.00272029	0.04891245	0.00177218
0.17317664	0.41623701	0.06173589	0.0148233	0.15424479	0.00667283	0.01020231	0.18695862	0.02593724
0.21143913	0.44360381	0.07811904	0.01966878	0.12847373	0.00526191	0.0014073	0.03529537	0.00256168
0.22284852	0.54905821	0.21109471	0.03581998	0.16148592	0.00526863	0.00048074	0.0196414	0.00132899
0.22088137	0.35719957	0.19602643	0.0955275	0.22456807	0.11633613	0.00345415	0.12197563	0.00853309
0.12023494	0.27048514	0.06558798	0.0090595	0.05432486	0.00239792	0.0012119	0.12737448	0.00233288
0.06270726	0.53113275	0.03256704	0.01032345	0.30206404	0.00850699	0.00302346	0.06049223	0.00660748
0.08694407	0.32044854	0.05919626	0.0094707	0.10307183	0.02542453	0.00323852	0.04544099	0.00241564
0.52003902	0.20950527	0.35787788	0.11432867	0.04193622	0.02036829	0.00052897	0.00922703	0.00135863
0.29771882	0.77717724	0.06003578	0.08804805	0.15453815	0.01855202	0.00728316	0.04492615	0.00935776
0.04861713	0.09854519	0.02432098	0.0231952	0.08557592	0.02568035	0.00075058	0.11323932	0.00092464
0.38002913	0.14764019	0.42296573	0.06087311	0.0471596	0.07063426	0.00058114	0.00908367	0.0007655
0.04986792	0.12331479	0.06311011	0.02298471	0.07008847	0.08006094	0.00175048	0.33811914	0.00549217
0.0463552	0.35736209	0.01980725	0.00623141	0.22316244	0.00492344	0.00177748	0.03473131	0.00380555
0.69574139	0.62981364	0.20877695	0.03582536	0.18986469	0.07984065	0.00219363	0.01092354	0.00134666
0.20823013	0.56932096	0.03650497	0.02528109	0.20041891	0.01173939	0.00649417	0.05078088	0.0081057
0.03297942	0.07165303	0.02122539	0.00734165	0.06201197	0.02136083	0.00036971	0.23422506	0.00094411
0.12854097	0.20245029	0.05786455	0.03435832	0.15226934	0.04369242	0.00057215	0.15045927	0

0.12656378	0.61324601	0.07235519	0.01872782	0.31388127	0.00974237	0.00342174	0.06293024	0.0066192
0.21104733	0.34026816	0.09255487	0.06012694	0.18092615	0.01590493	0.00067586	1.17320286	0.00081475
0.10618515	0.41631753	0.07071352	0.01078147	0.12626645	0.02984986	0.00345247	0.02532056	0.00258732
0.13749678	0.19195972	0.07361818	0.03221181	0.1289549	0.03345038	0.00064438	2.54404163	0.00077344
0.67642382	3.25985134	0.19174013	0.02809305	0.08019095	0.08139917	0.00417692	0.01009449	0.00278833
0.74056304	0.17529435	0.43006169	0.06251755	0.02826106	0.00745564	0.00090092	0.00680779	0.00058299
0.05068355	0.1005115	0.02491292	0.02370824	0.08707504	0.02626067	0.00077433	0.11083957	0.00094475
0.19606303	0.36320238	0.05180947	0.03818934	0.24083548	0.00518102	0.00243535	0.15476974	0.00706726
0.46675976	0.07253433	0.77127776	0.05444939	0.03650228	0.00706781	0.00044127	0.00301045	0.00059295
0.04481987	0.0895942	0.02183407	0.01994415	0.07576477	0.02311121	0.00053625	0.05018775	0.00065311
0.85301026	0.34152553	0.34347406	0.05489132	0.11383983	0.0321825	0.00223544	0.01050908	0.00140729
0.56008336	0.26719288	0.35114046	0.07672224	0.05088891	0.02847741	0.0006784	0.01234249	0.00182301
0.53401204	0.24108847	0.45187313	0.06776165	0.05024993	0.02298629	0.00065184	0.01067334	0.00171127
0.23116362	0.74508341	0.18377821	0.01870214	0.1920059	0.02115736	0.00216635	0.0295491	0.00210388
0.04251653	0.19574219	0.01398505	0.01512561	0.14036702	0.06783542	0.00019996	0.00147809	0.00027192
0.12247343	0.14378068	0.0665467	0.02249627	0.14171673	0.03678216	0	0.20743045	0.00130682
0.24874428	0.55600203	0.10210265	0.02545994	0.19413979	0.02912794	0.00237558	0.01895653	0.00184095
0.19472478	0.4950481	0.16341273	0.03284052	0.15638392	0.00744548	0.00048037	0.02209238	0.00127867
0.15904322	0.27419313	0.12098929	0.06852802	0.16075334	0.1570283	0.00292407	0.11579444	0.00856276
0.34123001	0.63652948	0.13228962	0.07107682	0.16630836	0.00864748	0.00154301	0.04849049	0.00374741
0.18885154	0.40008503	0.29444727	0.06533815	0.36274515	0.04034424	0.00169905	0.09549411	0.00459181
0.69033833	0.2829354	0.21338816	0.04046667	0.09952233	0.02816697	0.00175903	0.00828989	0.0011057
0.20164774	0.38610713	0.05761228	0.0389168	0.22381187	0.00602039	0.00155763	0.07795146	0.00390094
0.36526369	0.09853624	1.07139889	0.05878138	0.02557658	0.01015992	0.00046285	0.00299879	0.0006026
0.13896391	0.35990644	0.10664562	0.02282938	0.13184095	0.0093694	0.00280276	0.05891995	0.00540047
0.11794294	0.5928971	0.03466348	0.04911294	0.42401215	0.06471723	0.00059245	0.01955401	0.00080568
0.13704858	0.37584196	0.06912127	0.01656135	0.17500565	0.01007548	0.01127559	0.21396839	0.02637303
0.12545879	0.25842299	0.09360443	0.02925165	0.15526802	0.05270236	0.00280729	0.0784426	0.00621111
0.13159737	0.20503913	0.07243864	0.05120154	0.14433532	0.03871659	0.0006348	0.11664889	0.05780458
0.06760329	0.31716597	0.02642244	0.01285574	0.15402592	0.04561856	0.00228693	0.04186131	0.00183234
0.51554599	0.22319422	0.33017499	0.05841383	0.04999808	0.02037166	0.00061237	0.0091129	0.00157967
0.14225919	0.29107667	0.23747273	0.05551085	0.26226749	0.03507306	0.00139745	0.08201331	0.003838
0.16513735	0.6824292	0.11828353	0.01024204	0.11089735	0.00740598	0.00212396	0.01982062	0.00219342
0.62826316	2.94060959	0.19281308	0.02530419	0.07241064	0.07345707	0.00375327	0.00906257	0.00251746
0.0708001	0.14230894	0.0352611	0.03284084	0.12365799	0.04250131	0.00080205	0.10536504	0.00092457
0.15670684	0.42040608	0.06877086	0.00939376	0.06632229	0.0022774	0.01049153	0.06971134	0.01555995
0.63431456	1.63579223	0.21321365	0.02666678	0.16721708	0.01236943	0.00184375	0.01042399	0.00139511
0.12619252	0.19776631	0.05878067	0.03492668	0.14393861	0.04304758	0.00055245	0.14865329	0.00068349
0.06486134	0.08327003	0.06842869	0.0174973	0.06855514	0.07544217	0.01017183	0.79847983	0.02827516
0.2707877	0.44636634	0.15686119	0.0563346	0.07699544	0.00489232	0.00125743	0.03411834	0.00319689
0.06239475	0.1332676	0.03399653	0.0313619	0.11376239	0.03674767	0	0.1277776	0.00085473
0.24531176	0.52717216	0.07859024	0.01667962	0.23739821	0.02435276	0.00196916	0.01678607	0.00127771
0.92731711	0.4419674	0.22274415	0.04152849	0.1342853	0.02597071	0.00292098	0.01079056	0.00218053
0.17594865	0.3628384	0.2150561	0.0384586	0.16876469	0.00568595	0.00041263	0.01339022	0.00055376

0.438383	0.24527436	0.28876522	0.07015349	0.06584128	0.04434086	0.00095313	0.01176888	0.00119713
0.34458641	0.75615312	0.23973655	0.0477046	0.32489521	0.00928315	0.00166633	0.05760542	0.00328256
0.26071928	1.0248805	0.08920498	0.02407862	0.16147322	0.01589701	0.00648071	0.04870202	0.00856056
0.04820523	0.09351398	0.02559678	0.02348708	0.07791863	0.02573837	0.00062345	0.0545515	0.00297627
0.50043995	0.22987748	0.30412078	0.05798596	0.04961373	0.05032087	0.00143249	0.01105403	0.00116662
0.16441737	0.28295544	0.08796376	0.04108681	0.14402534	0.06820528	0.00055292	0.11019088	0.04465192
0.12519224	0.24314618	0.03989538	0.02647249	0.14200549	0.00443121	0.0005405	0.00936249	0.00214329
0.27334626	0.42881348	0.08191473	0.08517753	0.27689196	0.01341974	0.00074877	0.58203981	0.00093496
0.60873357	0.10791499	1.49590745	0.11104324	0.01276217	0.01131678	0.0004498	0.00404693	0.00056232
0.21383121	0.52687909	0.20253749	0.03436017	0.15496243	0.00506035	0.00045822	0.01884872	0.00126858
0.11563722	0.34465067	0.0091871	0.0143859	0.18200359	0.00643199	0.00497871	0.03877846	0.00674595
0.4352112	0.22331466	0.25794731	0.0541942	0.05828511	0.08771373	0.00157763	0.01552106	0.00130873
0.15240564	0.21062596	0.07006828	0.0258173	0.10865108	0.02752936	0.00068236	0.08632819	0.00078267
0.07255531	0.58601954	0.04063304	0.01058726	0.22625632	0.00938354	0.00284224	0.05146475	0.00547032
0.0554721	0.1114999	0.02761687	0.02571579	0.09687477	0.03327054	0.00063036	0.08148581	0.00072358
0.450184	0.11398777	0.33075666	0.03942026	0.04595861	0.00849297	0.00092938	0.00426733	0.00058258
0.22319735	0.54530474	0.07866748	0.03522547	0.2153346	0.00792437	0.00825063	0.06006523	0.02016884
0.45235343	0.14582639	0.49123906	0.12784872	0.02097774	0.01113166	0.00054972	0.01007399	0.00149082
0.0454839	0.11246009	0.05756304	0.02096942	0.06391543	0.0730372	0.00159974	0.30841919	0.00500846
0.16141009	0.26112252	0.13333159	0.04150634	0.08140941	0.02650987	0.00120481	0.38876523	0.00415898
0.06501513	0.12780808	0.02274487	0.01415224	0.07409401	0.03215793	0.00047021	0.25786382	0.00109565
0.51731132	0.2155429	0.4468083	0.07375857	0.04678035	0.05278645	0.00059206	0.00968322	0.00155016
0.52002219	0.22516465	0.33309347	0.05892695	0.0504389	0.02054802	0.00062012	0.00919833	0.00158973
0.19377901	0.38559762	0.06905832	0.04105225	0.11691527	0.00545702	0.00112325	0.00385003	0.00267132
0.16092446	0.17780137	0.09416492	0.05513883	0.2048157	0.08170379	0.00128633	0.08012233	0.00405218
0.26696373	0.60583111	0.12382022	0.0319456	0.25356617	0.04665316	0.00270448	0.02053006	0.00141878
0.45163198	0.15222514	0.33884854	0.04313938	0.05627059	0.01109363	0.00205355	0.01074183	0.0013687
0.20859217	0.32892601	0.13175792	0.05598257	0.17582765	0.06771053	0.00150686	0.03043119	0.00261958
0.20740053	0.33640178	0.17997239	0.09163772	0.20771972	0.10650858	0.00327534	0.12125963	0.00811182
0.10850646	0.16324744	0.05998433	0.04072426	0.11749815	0.03276558	0	0.09257244	0.00588559
0.17658481	0.42963747	0.05979594	0.0253975	0.1531788	0.01199476	0.00715906	0.06829881	0.01158176
0.81619067	0.30156936	0.2669275	0.05203244	0.09009578	0.01928978	0.00201617	0.00884045	0.0012765
0.85199989	0.31842869	0.2242264	0.03792842	0.1007191	0.01425395	0.0013621	0.00696125	0.00116616
0.16925453	0.40683102	0.06035611	0.01449145	0.15073307	0.00651769	0.00998023	0.18279264	0.02536401
0.2257361	1.00617695	0.08460707	0.10505128	0.12571989	0.0159806	0.00603147	0.04250101	0.00669515
0.26542811	0.81031073	0.14748126	0.01731618	0.19684139	0.01743565	0.00292961	0.0222165	0.00188055
0.0983609	0.31430925	0.01570395	0.01318792	0.1764774	0.04874912	0.00541814	0.17004701	0.01862114
0.19723169	0.46086222	0.09532929	0.01244631	0.06145778	0.00326346	0.00640309	0.02589153	0.01336191
0.17303208	0.22109025	0.11761913	0.06934586	0.14747006	0.05656062	0	1.79989444	0.00070396
0.06526385	0.15050093	0.06528223	0.02363727	0.07718048	0.03917546	0.00162891	0.12444045	0.00415973
0.21929879	0.29828089	0.17389534	0.06073321	0.24520396	0.06253917	0.00534807	0.21771356	0.01959512
0.21766675	0.35874918	0.12126988	0.04887172	0.04996161	0.00446218	0.00112992	0.03067064	0.00214159
0.05934464	0.26445024	0.02579099	0.01090455	0.13010067	0.04706024	0.00195463	0.03649155	0.00156078
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0.84399262	0.19165945	0.926252	0.07906984	0.05243239	0.03804174	0.00055227	0.00558636	0.00069308
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0.44318059	0.18893461	0.4643855	0.07908729	0.05933872	0.09920832	0.00054511	0.00842159	0.00066439
0.10961439	0.17732533	0.07004567	0.02728571	0.13186536	0.07030454	0.01636053	0.22871843	0.04873486
0.05292646	0.10037971	0.03090853	0.03155416	0.09906586	0.04161557	0.00126442	0.10432376	0.00159891
0.16729624	0.24863646	0.0876691	0.03647147	0.12417587	0.0327162	0	0.11032885	0.00092542
0.52839766	0.29096013	0.55245441	0.09586972	0.06259011	0.01030545	0.00062721	0.01769101	0.00174322
0.61027475	2.95667825	0.17349233	0.02548546	0.07270895	0.07381608	0.00379327	0.0091676	0.00253759
0.33352144	0.80705869	0.17426388	0.05827054	0.2002727	0.01837444	0.00288715	0.01911758	0.00183958
0.12249703	0.23684685	0.03732036	0.01879092	0.08017977	0.00238896	0.00063187	0.00444257	0.00154756
0.51205712	0.23508117	0.37985655	0.06224765	0.04750487	0.02378117	0.00058273	0.01033958	0.00153012
0.75379493	1.93623013	0.2240601	0.03156432	0.19786262	0.01461776	0.00219069	0.01231564	0.00165606
0.39042217	0.66395478	0.09551471	0.1112967	0.2890537	0.09886217	0.0006148	0.00854872	0.00082582
0.21530981	0.31041018	0.11106426	0.05353798	0.17374989	0.03297376	0.00073296	1.42306986	0.00085432
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0.0722138	0.14220431	0.03667294	0.03335882	0.12043333	0.04185209	0.0007311	0.0957131	0.00419143
0.37246676	0.8195427	0.0945064	0.11201405	0.35642038	0.16088318	0.00065291	0.00949949	0.00083485
0.1494515	0.38127043	0.07091621	0.02286923	0.12587047	0.01040776	0.00925896	0.13395526	0.01917486
0.13922065	0.31177723	0.12710467	0.05712274	0.15931836	0.06155395	0.00490889	0.11102688	0.01652137
0.07738172	0.15799449	0.04220938	0.03780416	0.24814274	0.03704678	0	0.13946241	0.00095547
0.70094519	0.2010963	0.2611847	0.06405543	0.04621191	0.09203875	0.00104058	0.01275036	0.00130754
0.15073389	0.17798351	0.06295624	0.02013026	0.09211079	0.01462658	0.0005573	0.11152869	0.00182644
0.10666011	0.35754331	0.03798657	0.01280111	0.15978957	0.03293567	0.00189655	0.03179723	0.00185185
1.00799633	0.40214132	0.29931306	0.05115297	0.12561316	0.01601867	0.00174849	0.00826362	0.00149808
0.18256056	0.23476763	0.08201414	0.02281054	0.10009963	0.01588865	0	0.11614319	0
0.19948856	0.28758907	0.04488272	0.03819065	0.25764723	0.05563869	0.00363732	0.16989219	0.01299585
0.11122406	0.1548771	0.04377211	0.02866492	0.23935918	0.03527515	0.00124269	0.08893832	0.00398315
0.18697428	0.31193877	0.13340224	0.06388175	0.18240686	0.11071453	0.00374313	0.1773076	0.01258598
0.56411119	0.18806836	0.45299774	0.05465805	0.03768753	0.01168291	0.00102426	0.00598666	0.00067355
0.2201996	0.35608787	0.06907068	0.07102386	0.22873662	0.01147905	0.00063162	0.46419332	0.00079434
0.20803871	0.4701501	0.26844275	0.05527838	0.3628789	0.03652176	0.00165473	0.08677806	0.00456322
0.64569553	1.22563322	0.20261842	0.03097997	0.24570776	0.025745	0.0034634	0.01533766	0.00244114
0.38195314	0.51030825	0.11904422	0.11075338	0.19253856	0.16335428	0.00054554	0.01074995	0.00073505
0.12676208	0.19989499	0.0598356	0.03554281	0.14392918	0.04161487	0.00056648	0.14727605	0.00070366
0.0809132	0.11149137	0.08068863	0.0214263	0.09409399	0.07214361	0.01301521	0.99685635	0.03347936
0.07632319	0.12265422	0.04714531	0.03504133	0.10372971	0.02708964	0.00066188	0.06647867	0.00306692
0.18270232	0.28237527	0.15515032	0.03930761	0.13630896	0.02077574	0.00307969	0.07670503	0.00593386
0.20919177	0.87913346	0.0723297	0.10111725	0.11643356	0.01637837	0.00688124	0.04455023	0.00680605
0.0289129	0.08649468	0.01645557	0.00342232	0.01776754	0.00607439	0.00259915	0.01716733	0.00310043
0.24044163	0.37466348	0.20142815	0.08338355	0.24529685	0.11019161	0.00385019	0.15593569	0.0086253

0.26464272	0.61385019	0.03540567	0.08798385	0.15220132	0.02048019	0.0096239	0.07212008	0.01377073
0.19555011	0.2689788	0.09884962	0.11594312	0.11482122	0.11009557	0.0004101	0.00258388	0.0005641
0.21130061	0.27232048	0.0924735	0.03149546	0.14374067	0.03263888	0	0.15519136	0
0.15534604	0.84771307	0.13898694	0.01334981	0.15754592	0.00835204	0.00522837	0.04832237	0.00490332
0.18503605	0.22763277	0.03771148	0.04445994	0.21303545	0.13063372	0.00285704	0.12290911	0.0099666
0.16215914	0.23741855	0.09734967	0.06033874	0.16129352	0.03614952	0	0.1178854	0.01218522
0.11588268	0.25351047	0.08931895	0.02773814	0.14390641	0.053702	0.00275281	0.07844117	0.00679657
0.15690777	0.23403659	0.08578469	0.07364464	0.16640971	0.04340396	0	0.13975424	0.00090552
0.1378495	0.61939491	0.05229062	0.05751434	0.4001099	0.04521604	0.00057136	0.01861546	0.00076517
0.17018496	0.89514024	0.04908934	0.0670717	0.69009111	0.09457318	0.0008914	0.03001653	0.0011879
0.08534922	0.12441843	0.06114446	0.01756586	0.08530031	0.04642322	0.00055677	0.75944333	0.00142705
0.07655559	0.13191883	0.01403633	0.0240651	0.16440263	0.09205141	0.000978	0.05797614	0.00190158
0.47715349	0.59255775	0.46164968	0.08486967	0.12364133	0.00770393	0.00194117	0.01240997	0.00120703
0.12687848	0.16660585	0.09510414	0.03692908	0.11134494	0.05413537	0.00061606	1.28315669	0.00138832
0.22450511	0.33189945	0.08899546	0.05778094	0.2397895	0.04577353	0.02746482	0.38069437	0.09204818
0.29409722	0.46665551	0.09191748	0.09376971	0.29839614	0.01544899	0.00084998	0.59317454	0.00107602
0.13177695	0.18691355	0.0833401	0.03603738	0.13868313	0.07172059	0.0253933	0.38581978	0.0816388
0.14991559	0.40655174	0.08090684	0.01935485	0.23721251	0.01117664	0.01310286	0.23920139	0.03025715
0.10499115	0.19063748	0.05588553	0.01857343	0.08435868	0.01795544	0.01535736	0.26550929	0.04152877
0.15210757	0.20925187	0.09182342	0.04816646	0.15816789	0.05084856	0.02967658	0.51386987	0.09633774
0.13361161	0.18557142	0.06946736	0.03279178	0.21086972	0.03170478	0.00162839	0.10034614	0.59247119
0.40017255	0.31876207	0.39723755	0.06425668	0.06555634	0.02031962	0.00068328	0.01678544	0.00178167
0.10723716	0.20082555	0.11031728	0.05277728	0.10573224	0.0517589	0.00440571	0.14141159	0.01507868
0.26443204	0.65091013	0.25105644	0.04295933	0.214942	0.00655072	0.00059986	0.02746661	0.00164117
0.21531382	0.81897428	0.08252343	0.10373466	0.11604239	0.01666807	0.00654774	0.04420065	0.00754249
0.44246667	0.68688173	0.33068685	0.07794944	0.21113957	0.02210475	0.00200872	0.01424189	0.0012364
0.18721627	0.21833703	0.09326532	0.02849712	0.10779472	0.02598598	0	0.13157878	0
0.25488836	0.21875389	0.30043744	0.0767758	0.26919687	0.04453508	0.003686	0.15049497	0.00883882
0.0713144	0.0965441	0.03629035	0.00698574	0.09967875	0.00746926	0.00459408	0.07361616	0.00886865
0.17235082	0.41426137	0.06144446	0.01475291	0.15351346	0.00664179	0.01015482	0.18607238	0.02581656
0.07867097	0.20635734	0.10487908	0.03678358	0.23033604	0.02963638	0.0011084	0.06197832	0.00224564
0.10418268	0.22579054	0.02603665	0.02167693	0.03398567	0.00287217	0.00333559	0.02888405	0.00499723
0.08182266	0.22027957	0.04112374	0.00972938	0.20131935	0.00613183	0.00664402	0.11315368	0.01513329
0.09983919	0.44569101	0.06622025	0.01665408	0.19256916	0.00877499	0.00278375	0.05520952	0.00540065
0.23110895	0.57752461	0.16920471	0.07921978	0.36930095	0.03743321	0.00716991	0.12740345	0.02089854
0.3207779	0.7401411	0.07355102	0.08585277	0.32581698	0.16328176	0.00065438	0.00970644	0.00085556
0.14906722	0.21513903	0.08967538	0.05459809	0.14770442	0.03144051	0	0.09857743	0.00652964
0.85843261	0.30393828	0.28137824	0.05492291	0.08176422	0.01605555	0.00225862	0.0092896	0.00145779
0.1803444	0.61296292	0.0673765	0.01649349	0.20282693	0.05185715	0.00290304	0.03718369	0.00228589
0.12896334	0.20281315	0.07195672	0.05064036	0.14451042	0.04458976	0.0005871	0.12129373	0.08163439
0.1045442	0.30249368	0.0322664	0.01049529	0.12177605	0.01823199	0.00165342	0.0287397	0.0010667
0.15716808	0.65060361	0.11277456	0.00975917	0.10573984	0.00707433	0.00203032	0.01892724	0.00210288
0.82446044	0.18722478	0.90481567	0.07723816	0.0512146	0.03715848	0.00053553	0.00545152	0.00067299
0.12010705	0.18598181	0.06565044	0.04424492	0.13888102	0.04417119	0.00058179	0.13160839	0.03753847

0.16564067	0.22984832	0.07698407	0.06153485	0.17331748	0.04486513	0	0.22071969	0
0.75686675	0.47096842	0.3451329	0.04158961	0.11645805	0.00649312	0.00209132	0.0188276	0.00253413
0.2164627	0.32062631	0.08628265	0.05585291	0.2314201	0.04450321	0.0266066	0.36369192	0.08902552
0.16070066	0.69691868	0.07094232	0.08015994	0.54602633	0.07666705	0.00070165	0.02280244	0.00093625
0.24104032	0.38188645	0.20957375	0.10212045	0.24009428	0.12437564	0.0036904	0.13039802	0.00911603
0.14961057	0.20740143	0.12887966	0.04117927	0.18924545	0.04201812	0.0027446	0.1209782	0.00780774
0.13754269	0.19103054	0.07150848	0.03374706	0.21705508	0.03263531	0.0016761	0.10332195	0.60999873
0.16833541	0.19059719	0.09936156	0.04514028	0.20841569	0.03185049	0.00185504	0.09951139	0.00630673
0.14664839	0.2835157	0.2409728	0.05584344	0.29781637	0.03245934	0.00138048	0.07442725	0.00284021
0.21799411	0.44901314	0.06386824	0.05380758	0.15434214	0.00663087	0.00800957	0.07089969	0.01219584
0.20350756	0.4471624	0.15218208	0.04631363	0.27900145	0.08705814	0.00463344	0.12827345	0.01118161
0.54527897	1.4170788	0.36632777	0.02521628	0.1489011	0.00545488	0.00228384	0.0116461	0.00131507
0.30714995	0.13569213	0.34587035	0.05380609	0.02820892	0.0267527	0.00036753	0.00392681	0.00094561
0.20842872	0.24719155	0.11203448	0.02888115	0.11719251	0.0202483	0.00059121	0.12574432	0.00176749
0	0	0	0	0	0	0	0	0
0.16813724	0.31436132	0.08286845	0.04087302	0.3282475	0.0518696	0.01228221	0.06633361	0.08788785
0.28118875	0.47611747	0.23631649	0.0975492	0.28336435	0.16612422	0.00418077	0.14822811	0.01037362
0.24078305	0.37987926	0.19410346	0.08215166	0.24917131	0.10749039	0.0038267	0.15571504	0.00850304
0.12690878	0.53444198	0.05616753	0.06380987	0.42981088	0.06377905	0.00056982	0.01854039	0.00076521
0.26213983	0.35302752	0.15576784	0.0757242	0.19131253	0.08878572	0.00513318	0.10110457	0.01546753
0.13316281	0.18903449	0.09193647	0.05182415	0.14697837	0.06713893	0.00068507	1.83305717	0.00077429
0.23904792	0.10278337	0.97102783	0.11225998	0.00373935	0.00150697	0.00043259	0.00191218	0.00056233
0.16344302	0.19340051	0.03674466	0.03787096	0.21982607	0.07360171	0.00130896	0.08376002	0.00483463
0.18223825	0.05739773	0.9104413	0.05409225	0.02357824	0.00579124	0.00041357	0.00271	0.00056265
0.13837056	0.19049721	0.06842112	0.03819503	0.31826825	0.03926182	0.00219896	0.10642562	0.00477971
0.07179182	0.09719774	0.03652249	0.00703606	0.10036429	0.00751084	0.00462451	0.07409863	0.00892905
0.16666519	0.2031052	0.03851049	0.03228264	0.22830717	0.03801786	0.00180928	0.0923383	0.00536064
0.16770636	0.46303974	0.03023718	0.0349062	0.3744371	0.48415072	0.00088557	0.06358976	0.00232454
0.18308986	0.33961491	0.13564253	0.0413102	0.24325861	0.0643717	0.00385266	0.12352809	0.00832091
0.27221743	0.34126327	0.17688754	0.08455433	0.16788655	0.05437073	0.00559751	0.11491052	0.01727615
0.30396693	0.59141297	0.13007346	0.02961933	0.2328269	0.07295922	0.00203118	0.01871989	0.00131806
0.92786968	0.43981455	0.26184065	0.04119542	0.13324807	0.02572841	0.00288452	0.01064031	0.00216035
0.10573027	0.33231068	0.03804169	0.0370476	0.35800003	0.06225952	0.00066156	0.0447259	0.00088598
0.21869956	0.25287763	0.1206388	0.03070161	0.19553944	0.02259231	0	0.17801745	0.00187875
0.90488465	0.20549567	0.99312233	0.0847758	0.05621358	0.04079425	0.00058574	0.00599088	0.00074331
0.1836594	0.38062472	0.03245106	0.05562687	0.15267901	0.12671056	0.00040431	0.00599124	0.00053344
0.26450074	0.38647719	0.08729272	0.04915334	0.18609257	0.01156217	0.02638216	0.33051761	0.08569136
0.10683856	0.12507422	0.05246455	0.01352035	0.06319829	0.00822488	0.00387929	0.05433607	0.00748049
0.1639333	0.28262418	0.12471991	0.07063085	0.16569765	0.16186318	0.00301689	0.11935277	0.00883444
0.18673024	0.27491814	0.0917686	0.04880194	0.18426888	0.05437644	0.00080892	0.2337385	0.00572102
0.21258317	0.24301894	0.13529088	0.02548194	0.11089457	0.04234179	0.02971079	0.93759645	0.07903469
0.22073541	0.36567855	0.19943351	0.09768868	0.22071579	0.11600904	0.00346981	0.07352779	0.00857332
0.369407	0.13553947	0.25962185	0.04983204	0.05520298	0.01554053	0.00140852	0.00855828	0.00121721
0.33618676	0.08776378	1.13454476	0.05750286	0.02297611	0.00823604	0.00048173	0.00308817	0.00062263

0.18574715	0.20415483	0.1314786	0.07577532	0.12902575	0.48470615	0.00062816	0.00584263	0.00090744
0.10605872	0.2595323	0.01900266	0.02375622	0.27217766	0.05516545	0.00059706	0.0490302	0.0015805
0.2779808	0.38642496	0.0999466	0.05643365	0.18400621	0.00710471	0.00061123	0.47790639	0.00077434
0.16362473	0.17935872	0.16933911	0.04785244	0.20399813	0.02797706	0.00354351	0.1655245	0.00934969
0.23618161	0.4852152	0.08412249	0.0789321	0.19208952	0.12743607	0.00046023	0.00765579	0.00055311
0.16503137	0.1926157	0.03801528	0.03846008	0.2117741	0.08595206	0.00132362	0.08890951	0.00501769
0.10182062	0.33297017	0.03510853	0.01248868	0.13836132	0.02676872	0.00191524	0.03920526	0.00124794
0.21832568	0.44847203	0.05203593	0.07152638	0.15713718	0.10673799	0.00042005	0.0069513	0.00057411
0.13172231	0.35515643	0.02725352	0.01812233	0.16293371	0.00895902	0.00478876	0.03978118	0.00692335
0.30697601	0.14849449	0.45381038	0.09041288	0.02377249	0.00647599	0.00047632	0.01031983	0.00132037
0.44858786	0.35164141	0.32445955	0.0553517	0.09452904	0.03513894	0.00195172	0.01797984	0.00240456
0.19910684	0.23299195	0.17698853	0.05685206	0.21341099	0.06911584	0.00456593	0.19731716	0.01304391
0.36425753	0.68025861	0.09559845	0.11994309	0.24983091	0.14581241	0.00060584	0.00823286	0.00079504
0.13862702	0.22900579	0.06960388	0.03521047	0.11897739	0.02482098	0.01000644	0.18693071	0.0283575
0.26284906	0.74478894	0.14093589	0.0152887	0.18762373	0.01610373	0.00264576	0.01808581	0.00166868
0.39693689	0.61838688	0.29032584	0.07374801	0.20697463	0.02331688	0.00200276	0.01630795	0.00125703
0.11270404	0.33599184	0.03582385	0.01176357	0.13744148	0.02144442	0.00182739	0.03240803	0.0011875
0.10141719	0.16643899	0.10596521	0.0376612	0.07787336	0.07391651	0.00118773	0.0634997	0.00651565
0.09785266	0.17073833	0.054516	0.02319472	0.0885537	0.02786888	0.00244482	0.0825986	0.00651389
0.19678087	0.29622777	0.11574843	0.04614306	0.12625725	0.07287012	0.0005655	0.10443033	0.1552742
0.13755351	0.21431852	0.07572375	0.05352569	0.15086624	0.04046987	0.00066576	0.12194986	0.06045156
0.01791599	0.02827903	0.0145297	0.00556078	0.03826531	0.02052537	0.0003417	0.20578992	0.00083467
0.24599417	0.34049964	0.03614475	0.04113862	0.26219091	0.22002073	0.00186937	0.11076381	0.00604692
0.12523236	0.53406692	0.06358218	0.05121389	0.44930098	0.06347914	0.00059296	0.02320599	0.0007954
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0.13019869	0.17810172	0.06103044	0.02341033	0.11434913	0.0424431	0.00057116	0.19049727	0.0007549
0.35228752	0.25760587	0.43591203	0.13949904	0.05724718	0.06107594	0.000503	0.00815161	0.0006339
0.13161147	0.27379014	0.04166794	0.03166322	0.20432295	0.12211542	0.0004476	0.03050645	0.0011467
0.1830219	0.26177672	0.16142269	0.06171608	0.15100737	0.0841651	0.00396708	0.08210794	0.00980517
0.30113723	0.65960068	0.07269328	0.07102853	0.37000265	0.06866306	0.00057781	0.01006441	0.00076499
0.15569105	0.23220877	0.08513437	0.0731015	0.16511465	0.04307258	0	0.13906215	0.00090552
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0.2350716	0.11828457	0.6048992	0.25442739	0.01023614	0.0102442	0.00043872	0.00201839	0.0005325
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0.21384167	0.48554238	0.1070435	0.03136269	0.20643518	0.01525333	0.01193975	0.11427671	0.02659361
0.2412551	0.33801406	0.17024238	0.07766011	0.18196568	0.09565945	0.00784992	0.23210446	0.02257631
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0.1911383	0.51119726	0.05820076	0.06615699	0.45550397	0.4825575	0.00080285	0.03349127	0.00108759
0.13017302	0.54490925	0.0454264	0.0537137	0.41011856	0.12041934	0.00054392	0.01420998	0.00072482
0.1932481	0.28821251	0.15591509	0.05135489	0.21213011	0.05191015	0.00584685	0.25094417	0.02239993

0.1788454	0.43937445	0.05446199	0.06070844	0.2880687	0.23555834	0.00048693	0.00876849	0.00066474
0.43028324	0.56411133	0.22674114	0.11075369	0.31970042	0.08648391	0.00189806	0.06792487	0.00486858
0.1466013	0.19157349	0.07919121	0.02350399	0.10962501	0.04379719	0.00055238	0.1372371	0.00068453
0.1366041	0.21507319	0.06977705	0.02632393	0.14498524	0.04997487	0.00068557	0.18192493	0.00147816
0.13275075	0.2216221	0.13415345	0.05962545	0.12094998	0.05909552	0.00572082	0.19636309	0.01890745
0.09326873	0.14939951	0.07343039	0.03611023	0.21280495	0.08558009	0.00124412	0.07344495	0.00246588
0.22444033	0.40119336	0.1018112	0.06222371	0.18965165	0.0555233	0.01996434	0.05077796	0.04886264
0.07143159	0.13849052	0.03352685	0.01264338	0.05983922	0.00665971	0.01100917	0.23399118	0.03001997
0.19318179	0.29245593	0.03633539	0.03672326	0.21568469	0.11530517	0.00418922	0.17341548	0.01428379
0.13267596	0.519835	0.08591826	0.08788582	0.44474945	0.09688351	0.00063232	0.02081342	0.00085596
0.23449676	0.64003133	0.05698001	0.05038729	0.44184652	0.58405422	0.00074395	0.01886321	0.00100701
0.22089085	0.30915297	0.18908542	0.0730376	0.1862529	0.07879969	0.00503864	0.10500594	0.01262514
0.2235327	0.14552364	0.36396289	0.38937745	0.02963273	0.03087482	0.00039052	0.0018702	0.00049272
0.231388	0.15738706	0.33543708	0.6391266	0.0293783	0.0274819	0.00041249	0.00188039	0.00049212
0.36202711	0.57996952	0.06837155	0.06337733	0.25879925	0.15540163	0.00052881	0.00596177	0.00070469
0.34589445	0.65033556	0.11447324	0.07641011	0.16913054	0.00831935	0.00143431	0.00684621	0.00269425
0.22423707	0.37580036	0.04131747	0.0439867	0.24069887	0.13114295	0.00180187	0.10180854	0.00694092
0.10309649	0.1514724	0.05173318	0.03746947	0.08997433	0.02616979	0.01425154	0.06215379	0.38547632
0.51616809	0.10316999	0.53926661	0.04920857	0.02445479	0.008796	0.00046236	0.00539139	0.00060333
0.08184254	0.23269241	0.08115918	0.03614634	0.31438133	0.03003152	0.00066632	0.06490713	0.00176164
0.18535	0.22888701	0.10653662	0.04062625	0.12521022	0.04514859	0.00047836	0.46022675	0.0006136
0.19416084	0.34411908	0.06107087	0.10998011	0.10575717	0.12604669	0.00041896	0.00407828	0.00052339
0.0528464	0.10620154	0.03107208	0.01092585	0.04778759	0.05760424	0.01145134	0.16017416	0.02490863
0.350876	0.67086342	0.0830323	0.05985928	0.36423296	0.21812683	0.00065838	0.00752076	0.00089634
0.36288186	0.50357202	0.27945003	0.10949226	0.24075039	0.09817405	0.00828621	0.1532491	0.02169657
0.1564145	0.28352728	0.12186427	0.05789328	0.15826873	0.11929693	0.00374365	0.17865393	0.01351093
0.31966451	0.63693649	0.05923367	0.03253267	0.36942291	0.21700251	0.00061896	0.00782375	0.00083578
0.43573571	0.61595246	0.23769189	0.10238824	0.334643	0.0943969	0.01879417	0.19598802	0.06063385
0.38382295	0.22922387	0.28636827	0.39521965	0.06134361	0.02359151	0.00040601	0.00187457	0.00048225
0.22267481	0.53953778	0.06671682	0.0648326	0.39817742	0.62206745	0.00066943	0.01338696	0.00088597
0.32371591	0.4677797	0.18781752	0.08064484	0.25111258	0.08087899	0.00582599	0.14377218	0.01635341
0.09078663	0.13730994	0.04295768	0.03174785	0.1520665	0.01403604	0.00814825	0.06538182	2.05893083
0.24675569	0.26955974	0.14434055	0.1644053	0.07003566	0.1209147	0.00043106	0.00809221	0.00055387
0.16758429	0.23260981	0.14323272	0.04579435	0.21287947	0.04693787	0.00305612	0.13442814	0.00868254
0.12625427	0.2901966	0.08197717	0.02214087	0.11275022	0.0206304	0.00854426	0.18207933	0.02219275
0.28093503	0.34218375	0.17512439	0.08226673	0.17635004	0.0487745	0.00533689	0.11205538	0.01662549
0.18462136	0.28606372	0.04561924	0.03636884	0.25842403	0.05426029	0.00355689	0.17025021	0.01179844
0.16863779	0.241412	0.08015242	0.06914575	0.15833723	0.0407753	0.00053763	0.12411992	0.17753499
0.3461197	0.4360204	0.07801787	0.08009212	0.15438083	0.13533119	0.00049215	0.00576281	0.00067487
0.16334729	0.45493644	0.1029641	0.04230497	0.2216106	0.05484511	0.003503	0.05543788	0.00785846
0.11267701	0.20334591	0.11396928	0.05281293	0.10745001	0.05244657	0.00486461	0.14527035	0.01552998
0.16199392	0.29647087	0.06724203	0.04896962	0.19069615	0.02593042	0.00103565	0.05182051	0.00269667
0.35212477	0.454734	0.20232062	0.08294062	0.20527014	0.14829487	0.00189652	0.0564477	0.00487915
0.28158835	0.2984598	0.09823905	0.1565389	0.06899671	0.11898889	0.0004295	0.00962319	0.00057385

0.03712194	0.16954835	0.00870285	0.00631703	0.1922318	4.72420732	0.00070421	0.02130984	0.00090536
0.12922212	0.30772967	0.0591918	0.09515005	0.11168317	0.10308744	0.00042365	0.00374728	0.00058428
0.1398722	0.20674884	0.07675934	0.06432235	0.1506926	0.04076767	0	0.1368964	0.00089538
0.61604031	0.24297679	0.21967504	0.06217715	0.08733316	0.0795999	0.0010541	0.0122832	0.00135831
0.23031425	0.27344257	0.14123558	0.03575487	0.12970777	0.05830405	0.00059841	0.54264289	0.00074431
0.57835388	0.74572156	0.32863257	0.12718479	0.33608065	0.19853024	0.00320529	0.06598532	0.0082079
0.16465811	0.34971466	0.07292639	0.02678002	0.16349782	0.02527588	0.01010905	0.15098532	0.02612771
0.40447598	0.35411693	0.19643573	0.23415218	0.081428	0.1274623	0.00059928	0.01265108	0.00075496
0.26616496	0.1144591	1.08130846	0.12502237	0.00416715	0.00168125	0.00048346	0.00213428	0.00063262
0.2992079	0.42233606	0.18956254	0.07861422	0.21321657	0.0724163	0.00505949	0.1160571	0.01516631
0.27000325	0.43951881	0.08150742	0.06243963	0.27657191	0.08368725	0.00146733	0.07236007	0.00488236
0.16914442	0.06731719	0.76834613	0.09141713	0.00323472	0.00106025	0.00043605	0.0015072	0.00062301
0.07070614	0.0323702	0.6377203	0.1035677	0.00214669	0.0003464	0.0003014	0.00033129	0.00034106
0.37426795	0.62427613	0.14249288	0.04738858	0.26095752	0.03600615	0.00088347	0.05020164	0.01023075
0.03928536	0.17943696	0.00920736	0.00667915	0.2034453	4.9997681	0.00074333	0.02255553	0.00095566
0.15760605	0.2511478	0.06812278	0.03862496	0.31798577	0.02513913	0.00063493	0.36519598	0.00066391
0.14723877	0.23066315	0.07677648	0.02754463	0.15899134	0.05839806	0.00076797	0.2060144	0.00169964
0.07662463	0.1683632	0.02668631	0.0263269	0.17975976	0.01334315	0.35659028	0.01809661	0.08314675
0.3795786	0.63329656	0.13996133	0.04693513	0.25621681	0.03410851	0.00182781	0.07326756	0.01066545
0.18123835	0.11157876	0.90724131	0.05103666	0.01920555	0.00852678	0.0011305	0.00392257	0.00126518
0.08969742	0.1576341	0.01499414	0.02363435	0.18545775	0.11881205	0.00105736	0.06074414	0.00202161
0.1479255	0.36232585	0.05436556	0.05819997	0.21376249	0.19268166	0.00864377	0.16774342	0.02864899
0.15555286	0.21946887	0.0805414	0.05661451	0.14481714	0.02983519	0.00242932	0.1377888	0.69225707
0.35343705	0.14318376	0.58954635	0.04649083	0.04664746	0.01464326	0.00047073	0.00401186	0.0006634
0.15990451	0.21096572	0.13214757	0.03908106	0.13215492	0.05268738	0.00276142	0.07478288	0.00684798
0.07318132	0.11760306	0.0452008	0.03360348	0.09945908	0.02597338	0.00063796	0.06370673	0.00293619
0.10896005	0.21024171	0.11243959	0.05464407	0.11428151	0.0522274	0.0050708	0.14628201	0.01607033
0.14861518	0.3743553	0.08204096	0.09064442	0.34930699	0.57931768	0.00075569	0.03530322	0.00101696
0.18406728	0.26034712	0.11155647	0.06212225	0.16099449	0.0264397	0.00065317	0.09641465	0.08539691
0.11153995	0.2921407	0.07119043	0.01580991	0.13399933	0.00988569	0.00879679	0.17489535	0.02064498
0.16361085	0.06887975	0.88824716	0.02955508	0.00422594	0.00125939	0.00105262	0.00363764	0.00117462
0.24714077	0.32246703	0.14046193	0.1359657	0.1433972	0.12467052	0.00042655	0.0037068	0.00057393
0.17700319	0.26044106	0.12229425	0.05069035	0.14311718	0.06524243	0.00321074	0.08875101	0.00726069
0.24252039	0.43352373	0.11001439	0.06724142	0.20492995	0.06000034	0.0215783	0.05487908	0.05280464
0.14520894	0.189067	0.07468889	0.02437588	0.08786126	0.03817412	0.0005336	0.24945733	0.00136713
0.12926267	0.31381163	0.06119901	0.04364241	0.20235459	0.02710911	0.01152349	0.09899156	0.95866695
0.01819895	0.17208319	0.00705907	0.00577638	0.21091694	5.6593292	0.00057511	0.01755162	0.00082671
0.24306151	0.16756395	0.36844728	0.60565304	0.03204529	0.03379295	0.00045662	0.00212752	0.00056283
0.11226361	0.29187374	0.01741978	0.01938887	0.21167771	0.04132155	0.0019851	0.0974824	0.00517203
0.09109326	0.25072999	0.02125447	0.03036979	0.31452119	0.04577073	0.00069523	0.07454996	0.00185231
0.10743563	0.15584785	0.05098354	0.03505333	0.2626885	0.03433502	0.00136655	0.08960669	0.00359312
0.22981452	0.44403509	0.07813405	0.03675912	0.31469532	0.97144919	0.00065689	0.01424514	0.00089638
0.1147108	0.25828037	0.0270796	0.0289673	0.20737847	1.4780077	0.00059272	0.03384133	0.00156019
0.1248509	0.05652089	0.5547873	0.13906997	0.00413376	0.000869	0.0003404	0.0008005	0.00043245

0.08726213	0.21533262	0.03312548	0.02283375	0.17795847	0.05300936	0.00331448	0.11570845	0.00743054
0.08205954	0.19055391	0.05171267	0.01521363	0.0942568	0.09980943	0.00022245	0.00306041	0.00030212
0.34033546	0.22495464	0.53567928	0.08677406	0.04583416	0.04900498	0.00048101	0.00535469	0.00059362
0.1912765	0.28436754	0.15094582	0.06816444	0.14922712	0.09471359	0.00925181	0.20169135	0.03331448
0.05800724	0.09830567	0.02441201	0.02349428	0.10760265	0.01267783	0.0284011	0.03622328	0.30373956
0.2290182	0.1505316	0.32393432	0.35765757	0.02682222	0.03405855	0.00040553	0.00201468	0.00052313
0.15058312	0.36305478	0.02514008	0.02837425	0.34835777	0.33250224	0.00087239	0.08454467	0.0034011
0.13303371	0.20655427	0.0506673	0.04337022	0.43917494	0.19667081	0.00043016	0.02303795	0.0012093
0.402607	0.50373723	0.23573283	0.10752638	0.24432254	0.19756923	0.00190257	0.05711217	0.00495053
0.15828457	0.21596117	0.10023196	0.03736967	0.08517284	0.02084113	0	0.30520962	0.0006945
0.19937516	0.30113204	0.02489056	0.03769079	0.19683523	0.1210639	0.00165358	0.09139837	0.00430664
0.21088929	0.35342009	0.03886249	0.04137144	0.22636513	0.12333238	0.00169219	0.09574035	0.00652849
0.14780426	0.22620823	0.10702018	0.03647975	0.10486183	0.05398849	0.00284226	0.04732158	0.00645284
0.35550398	0.4850511	0.18060772	0.0862729	0.20852027	0.13464761	0.00144786	0.0775113	0.00574721
0.26871609	0.34640247	0.14091116	0.03680579	0.10320209	0.01804977	0	0.20690302	0.000885
0.38265175	0.54703123	0.24976192	0.10224546	0.31586963	0.08057083	0.00841082	0.14957466	0.02168974
0.22067586	0.25346443	0.1231866	0.03111913	0.10245424	0.02183516	0.00056726	0.29396174	0.00224158
0.21834653	0.33718136	0.13083874	0.05049325	0.18650118	0.07506445	0.00741707	0.16494054	0.02269677
0.09427861	0.28729321	0.01694935	0.01759704	0.19451721	0.08801392	0.0033833	0.13198398	0.01056491
0.26157544	0.44624478	0.09634166	0.10139261	0.15374811	0.15009665	0.00046833	0.00922122	0.00062415
0.083382	0.13394667	0.03589173	0.03423242	0.15327216	0.01701972	0.03662684	0.04911687	0.52500052
0.23206763	0.27655254	0.12182938	0.0467873	0.13082352	0.0181019	0	0.08918413	0.00072402
0.11595698	0.17747935	0.07250523	0.03738052	0.08099514	0.04935016	0.00068919	0.032324	0.00279971
0.09742683	0.13197202	0.0665506	0.01612517	0.08132647	0.00787158	0.00431203	0.0969719	0.00937766
0.07683958	0.31367842	0.03292474	0.02848932	0.19647553	0.00865517	0.21381754	0.04836631	0.7703457
0.33506893	0.75832576	0.08254828	0.06178671	0.45535175	0.60416946	0.00081694	0.00930259	0.00109748
0.15279383	0.20867982	0.12846013	0.0446882	0.12603623	0.05910703	0.002752	0.06387987	0.00682756
0.17684059	0.48648626	0.17819548	0.07151544	0.2505503	0.06012784	0.00258425	0.04321809	0.00758127
0.20169651	0.09264053	0.68538767	0.28807623	0.00531516	0.00141399	0.00040864	0.0013337	0.00048195
0.12355197	0.2751351	0.08231203	0.02321837	0.18208597	0.02986321	0.00626412	0.15749819	0.0154867
0.18350394	0.50454475	0.16513298	0.06469717	0.27900623	0.05474419	0.00094204	0.01165179	0.0021881
0.16705616	0.22682237	0.10506813	0.04471734	0.11806854	0.04274585	0.00292567	0.06265709	0.00863213
0.05250382	0.14569575	0.04147118	0.01012564	0.07857597	0.09292724	0.0015819	0.29176218	0.00370798
0.16182469	0.45218937	0.05056354	0.05635018	0.38917097	0.46781809	0.00067445	0.02385033	0.00090618
0.09951797	0.24578273	0.04709068	0.03480304	0.16669057	0.01538605	0.00893129	0.07166894	2.25697344
0.34144567	0.42832532	0.17392972	0.08430128	0.18425464	0.08023562	0.00197955	0.04711004	0.0049568
0.2456923	0.10190282	0.97331427	0.15876158	0.00365337	0.00274971	0.0004591	0.00208177	0.00063311
0.19394494	0.27490237	0.16690067	0.05534306	0.24840932	0.0829465	0.00342594	0.14817369	0.00804035
0.27303064	0.18814701	0.18992411	0.91220873	0.03185702	0.02519853	0.00039937	0.00177557	0.00046166
0.18223374	0.07467709	1.05846244	0.06026581	0.01314336	0.00906251	0.00090638	0.00319207	0.00101401
0.27684374	0.39020204	0.2189977	0.08685367	0.1859793	0.08132262	0.00629968	0.11841927	0.01667934
0.0464579	0.24615387	0.01398056	0.00581641	0.16159853	0.03824819	0.00277102	0.09715278	0.01017433
0.22014661	0.33913342	0.14528288	0.05785931	0.19016007	0.08415629	0.00323283	0.09034979	0.00868906
0.29195476	0.42230445	0.10963733	0.08915276	0.26702107	0.37275523	0.00063325	0.02041435	0.00175296

0.10163594	0.0348148	0.49118335	0.01608806	0.00185715	0.00051299	0.00042162	0.00143729	0.00050215
0.10235385	0.0370272	0.49499152	0.01549177	0.00224527	0.00059419	0.00049433	0.00167234	0.00057231
0.37403595	0.53597915	0.19712408	0.08228577	0.29340831	0.07754048	0.01805827	0.16394649	0.05558831
0.2622659	0.40852379	0.11892137	0.06373638	0.24577111	0.06044815	0.00073398	0.10247792	0.00093558
0.22205047	0.25980492	0.13834719	0.02969072	0.09001616	0.02463102	0.00061358	0.46456174	0.00192116
0.35317233	0.56159963	0.18644451	0.08650185	0.26109864	0.08583931	0.00242229	0.10239138	0.00772437
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0.09324238	0.13145801	0.03737719	0.06156756	0.24631654	0.25012777	0.00036601	0.00472825	0.00051394
0.0303407	0.01509217	0.16714754	0.02873001	0.00284745	0.00963909	0.00023801	0.00028601	0.0003017
0.04274222	0.15017274	0.03150879	0.01895713	0.11361649	0.06440224	0	0.00751668	0
0.00237372	0.00040389	0.22066045	0.06222389	0.00041183	0.00171145	0	0	0
0.00028093	0.0003694	0.06101195	0.0075377	0.00037462	0.00038857	0	0	0
0.14619119	0.33275562	0.04147747	0.01602153	0.13708013	0.00921881	0.00174964	0.04271265	0.00474335
0.00128066	0.00030585	0.00959265	0.00333993	0.00024384	7.8319E-05	0	0	0
0.14420671	0.74588808	0.06170974	0.02761551	0.35516152	0.04083662	0.00169611	0.04984621	0.00522354
0.16103974	0.48942155	0.05178678	0.01640548	0.32345302	0.0151075	0.00044307	0.01532853	0
0.02422939	0.12813276	0.01747705	0.00983451	0.09144252	0.08439401	0	0.0046212	0
0.04093692	0.2352122	0.01940818	0.01347997	0.15892308	0.02241431	0	0.00948779	0
0.08677573	0.18512345	0.03685796	0.02997378	0.21992255	0.01807741	0.04411448	0.05264637	0.18469745
0.12952984	0.28616963	0.03601058	0.01447349	0.30636083	0.0084044	0.00295184	0.07458264	0.00984108
0.01097426	0.00827827	0.01829767	0.01884475	0.00550204	0.00405132	0	0.00021616	0
0.03088503	0.12615791	0.02480565	0.014354	0.09289868	0.02712048	0	0.00538718	0
0.01843159	0.1056698	0.0130171	0.00723888	0.07524398	0.06456627	0	0.00381132	0
0.08743537	0.1792075	0.03411966	0.02121405	0.20912483	0.08355165	0.00152545	0.04935143	0.00547757
0.00928413	0.04455254	0.00383145	0.00539703	0.03406211	0.0220954	0.00011176	0.00043354	0.00015105
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0.01072682	0.00044291	0.01508271	0.01261956	0.00020308	0.00017808	0	0	0
0.00755235	0.03100553	0.00334164	0.00488285	0.02311319	0.01954704	0	0.00017929	0

0.11551536	0.54524287	0.0332045	0.01306859	0.26476802	0.05948218	0.00194533	0.07099306	0.00588026
0.02357514	0.09700494	0.01059519	0.01238465	0.07483655	0.09974562	0	0.00042728	0.00023141
0.01663748	0.01968768	0.00292829	0.01550733	0.01317986	0.00509422	0	0.0001652	0
0.04635129	0.22773302	0.03320852	0.01980728	0.15554072	0.03350423	0	0.00950884	0
0.14768134	0.43078524	0.06525174	0.0332985	0.1785632	0.00581566	0.11532484	0.02511989	0.25463027
0.00443498	0.00038912	0.01092102	0.00915096	0.00028115	-6.29E-05	0	0	0
0.0230916	0.11737604	0.01282772	0.01205415	0.08974139	0.0765335	0	0.00076259	0.00021149
0.00021339	0.00017464	0.0326548	0.00431437	0.00017236	0.00016625	0	0	0
0.00159562	0.00029578	0.00123741	0.00108323	0.00021902	5.7571E-05	0	0	0
0	0	-0.00551776	0.0062407	0	0	0	0	0
0.01860079	0.00332721	0.18913556	0.08858334	0.00083347	0.00739043	0	0	0
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0.00431076	0.0071789	0.00104347	0.00273625	0.00506187	0.002539	0	8.5733E-05	0
0.00022912	0	0.05026836	0.00646621	0	0.00021921	0	0	0
0.01301707	0.00048105	0.00192154	0.00398766	0.00015994	-0.00013547	0	0	0
0.00068248	0.00159378	0.00092105	0.00107645	0.00104523	0.00123388	0	0	0
0.0026803	0.00026349	0.00157299	0.00185517	0.00020265	0.00028445	0	0	0
0.00397825	0.01648271	0.00184209	0.00279957	0.01259037	0.01149422	0	0.00020711	6.0427E-05
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MI	MN	MS	MO	NE	NH	NJ	NY	NC
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0.30105023	0.01238293	0.0028712	0.08841687	0.0220433	0.0125424	0.02338098	0.20522618	0.04463345
0.25067592	0.06130177	0.00230681	0.19656249	0.04063405	0.00171097	0.00462208	0.02746232	0.03056417
1.57165544	0.02986516	0.01625451	0.06130707	0.00452238	0.00257517	0.01210359	0.09263394	0.0671578
0.31967971	0.01294753	0.00306251	0.0944652	0.02332235	0.01339795	0.02493311	0.19927799	0.04779961
0.26344628	0.08947916	0.01379098	0.33053362	0.06305383	0.00258452	0.00189623	0.16558805	0.01369107
0.60865156	0.07203211	0.00247592	0.13746309	0.0230522	0.00179994	0.00290845	0.02786915	0.03396916
0.54406698	0.01140948	0.01736967	0.12213387	0.0343474	0.00303462	0.01343349	0.09188495	0.06672984
0.09278803	0.00682792	0.05640742	0.18332259	0.02200828	0.00214504	0.01607034	0.079819	0.26992927
0.25548978	0.34745347	0.00825376	0.8994533	0.1336084	0.00087041	0.0009029	0.08187537	0.01007848
0.28766541	0.02224781	0.01691882	0.06393111	0.00601793	0.00140627	0.01241617	0.04278431	0.05376928
0.33838844	0.06468704	0.00272136	0.12764118	0.04237715	0.00152208	0.00249468	0.03056453	0.02713034
0.23857608	0.14887669	0.00064389	0.06330301	0.07717017	0.00138331	0.00149903	0.11246132	0.01017023
0.08563505	0.01274706	0.01499287	0.06915298	0.0082126	0.00052298	0.16886686	0.02629585	0.08919581
0.21290706	0.04511646	0.00481164	0.18970721	0.02498179	0.00692758	0.00709504	0.33491287	0.07811622
0.22476289	0.04765702	0.00507335	0.20019236	0.02637026	0.0073037	0.00749822	0.35340371	0.08241441
0.21854708	0.04634635	0.00493242	0.19462881	0.02564631	0.00710446	0.00728458	0.34356567	0.08011826
0.52918381	0.08512136	0.00282968	0.11214873	0.03293932	0.00208105	0.00449001	0.03410762	0.04110223
1.43261147	0.02728852	0.0148326	0.03845552	0.0041266	0.00233663	0.01101439	0.09460863	0.06114237
0.21347622	0.1335695	0.00057346	0.05663415	0.0684059	0.00124053	0.00134668	0.10060018	0.00908933
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0.08183787	0.03837654	0.02499216	0.20824431	0.04018885	0.0018344	0.01285061	0.06958804	0.22728103
0.09091843	0.03425822	0.01492936	0.16226815	0.01121597	0.00542328	0.00575483	0.18112532	0.09037765
0.26668398	0.36267144	0.00861701	0.93883172	0.13945182	0.00090477	0.00094052	0.08545923	0.01051829
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0.20440036	0.04335203	0.00461031	0.18202695	0.0239802	0.00663967	0.00680999	0.32132079	0.07493467
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0.12048147	0.03465211	0.01510073	0.16410313	0.01134467	0.00547976	0.00582843	0.18317174	0.09139575
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0.13808782	0.04503834	0.01658383	0.24639779	0.0267479	0.00105744	0.01328198	0.04270077	0.1773039
0.13927037	0.29845244	0.00345262	0.34263986	0.06723185	0.0006195	0.00067589	0.03665593	0.0056992
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0.20996593	0.14546009	0.00572743	0.26543853	0.04573418	0.00117481	0.00389449	0.11378716	0.15755468
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0.13932908	0.04544166	0.01673483	0.24861204	0.02698589	0.0010575	0.01342444	0.04308264	0.17893563
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0.11466776	0.02627863	0.01183878	0.0459175	0.00674045	0.00053613	0.24069857	0.03294441	0.05526556
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0.26406302	0.02043026	0.0151483	0.0472823	0.00791784	0.00291705	0.01202876	0.08156182	0.07608767
0.28114591	0.0567192	0.00190329	0.07511597	0.02199514	0.00140275	0.00301921	0.02287861	0.02760491
0.13413621	0.05483896	0.01734807	0.31650964	0.03637193	0.00386206	0.00419294	0.13736476	0.09631461
0.07049396	0.00454313	0.0116294	0.12334683	0.00579341	0.00634394	0.00656628	0.19750088	0.07903575
0.22192987	0.03976263	0.00780605	0.30397459	0.10673725	0.00285829	0.00308157	0.18490646	0.08033818
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0.41000117	0.07131354	0.00147879	0.09591058	0.0323368	0.00565696	0.0042296	0.08333767	0.00923925
0.11390086	0.00567484	0.03631614	0.1600806	0.02223751	0.01132111	0.02142355	0.12102493	0.04463889
0.10374513	0.03632648	0.01505299	0.17990428	0.01342051	0.00555032	0.00586459	0.18468974	0.09474633
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0.15948646	0.04115079	0.00100675	0.12002448	0.03086762	0.00110875	0.00119014	0.01799619	0.00336035
0.08065161	0.01788868	0.00941334	0.09676664	0.01128373	0.00079858	0.86656697	1.64192464	0.18964829
0.16484995	0.0419426	0.01942224	0.32333255	0.01997762	0.0085633	0.00757227	0.2496809	0.11362957
0.10826781	0.04247241	0.01578011	0.18384383	0.01492344	0.00585117	0.00623274	0.19791564	0.09626281
0.31971711	0.05946743	0.00214629	0.09580671	0.02648461	0.00554873	0.00497122	0.07695297	0.02457459
0.38726176	0.05791948	0.00220571	0.11189384	0.02462741	0.00165104	0.03397044	0.04157993	0.03724529
0.24426358	0.08038574	0.00615493	0.19073364	0.03751335	0.00227873	0.00507744	0.13169755	0.13679713
0.16643099	0.03420585	0.00167211	0.16318281	0.01557685	0.00060345	0.00125365	0.03046486	0.00427581
0.18973356	0.41964172	0.00966661	0.759556	0.13010444	0.00084779	0.00089082	0.05963491	0.00783119
0.07380816	0.11688979	0.00112166	0.1844079	0.03229075	0.00087695	0.00408225	0.07096853	0.11040336
0.33916289	0.01997849	0.01272304	0.05942861	0.00648001	0.00274287	0.01236838	0.07352776	0.06140153
0.16771629	0.04930673	0.00463707	0.1026587	0.01368093	0.01144521	0.01695732	0.214222	0.08161199
0.63092412	0.0747834	0.00256649	0.10770659	0.02391536	0.00186603	0.00301441	0.02886108	0.03517273
0.1360029	0.11654035	0.0023625	0.17148385	0.03464882	0.00073917	0.00249102	0.0591362	0.10800036
0.04028017	0.08561204	0.03589529	0.46996419	0.06559794	0.00379239	0.01122472	0.07423486	0.23274097
0.54323606	0.03999389	0.00153191	0.05641615	0.01951719	0.00171184	0.03834162	0.03773645	0.04106411
0.02959444	0.00915427	0.00934451	0.05347732	0.00449195	0.00381993	0.00728908	0.12437537	0.13332909
0.25162496	0.01950951	0.01446181	0.06842838	0.00754236	0.00277863	0.01143276	0.07766546	0.07233072
0.23103731	0.31415704	0.00746675	0.81311043	0.12080384	0.00079027	0.00081516	0.07406139	0.00911444
0.15229656	0.05722401	0.01595869	0.23184716	0.04165889	0.00712139	0.00632214	0.17794164	0.09013844
0.08401654	0.01770453	0.00927555	0.09673539	0.01189335	0.00102549	0.34521721	3.28157423	0.2132749
0.18069475	0.46216951	0.01122352	0.98381898	0.10062944	0.00092005	0.00097876	0.06279673	0.03225882
0.0760419	0.01837497	0.03227873	0.15176683	0.01335534	0.00278703	0.15969249	0.19327404	0.06131002
0.02558904	0.00699155	0.00695573	0.0328278	0.00284569	0.00218048	0.00419952	0.07294382	0.07695198
0.13745892	0.06305243	0.01513542	0.24554686	0.04532948	0.00149142	0.00241912	0.09030501	0.06169676
0.09650546	0.03798236	0.01561396	0.17244673	0.01236519	0.00568982	0.00606591	0.19028283	0.09455641
0.11601998	0.02264164	0.0119131	0.03878043	0.00489199	0.00048377	0.20305867	0.02549762	0.05859544
0.12334182	0.02326849	0.01678004	0.16556755	0.0180599	0	0.16348095	0.06508804	0.1449164

0.05031339	0.03682539	0.01230875	0.10547977	0.0101443	0.00440037	0.00839669	0.12175177	0.14169638
0.10979994	0.03184271	0.00341805	0.32811085	0.04645493	0.00097466	0.00689713	0.04046311	0.09029617
0.25693958	0.02254227	0.01603109	0.08239563	0.0086658	0.00298703	0.00325884	0.08276065	0.0696578
0.11600018	0.03783283	0.01393732	0.20700933	0.02248159	0.00089228	0.01119914	0.03882281	0.14913834
0.1952438	0.02879986	0.00981131	0.22553352	0.03900298	0.0019867	0.00205916	0.16610612	0.01275411
0.24030081	0.18294259	0.00187354	0.34132545	0.07071131	0.00063685	0.00069894	0.05299543	0.00886535
0.10870053	0.01812889	0.00944704	0.0990829	0.0121605	0.00105939	0.34525311	3.350689	0.21687204
0.22047412	0.03940138	0.00404	0.24357717	0.01981314	0.00338404	0.0097346	0.12686529	0.04187364
0.19843099	0.32368365	0.00163145	0.42565548	0.09048538	0.00060147	0.00068346	0.01956681	0.00401718
0.07269758	0.01612379	0.00848701	0.06499218	0.01016343	0.00072083	0.78142483	1.47989675	0.17096055
0.24501005	0.12241242	0.00868332	0.41285321	0.0567546	0.0015545	0.00168969	0.10568683	0.0636284
0.28932383	0.47216525	0.01188946	1.10447674	0.13813681	0.00107044	0.00111874	0.0911514	0.01132761
0.26046949	0.5098936	0.0101642	1.20651279	0.12176087	0.00098961	0.00103609	0.08498906	0.01053799
0.07306247	0.05682139	0.01583707	0.10097983	0.02916459	0.00159992	0.006295	0.08021245	0.10900433
0.03779035	0.0023994	0.00607025	0.08032063	0.02221832	0.00031361	0.00034625	0.0038208	0.00367731
0.14999272	0.02667222	0.01611852	0.11973961	0.0122853	0.00062684	0.15034804	0.02137018	0.2138449
0.3271091	0.06476987	0.00880374	0.1434626	0.02244077	0.00139739	0.00377576	0.07491986	0.06632547
0.13839802	0.09886516	0.00721892	0.16210792	0.02920418	0.0007394	0.00247952	0.05830146	0.12409466
0.06126344	0.04398108	0.08302023	0.33618164	0.04958217	0.00324043	0.01296391	0.07608079	0.26432437
0.47913409	0.09830461	0.00281844	0.2703284	0.0617975	0.00205738	0.00442211	0.03446408	0.04191731
0.05169974	0.1981855	0.01839942	0.29404633	0.06296606	0.00264174	0.00872473	0.11611443	0.18419063
0.17857034	0.0941348	0.00736351	0.30583856	0.04253761	0.00121854	0.00132681	0.08854758	0.0491761
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0.13598464	0.55085225	0.00212292	0.33308149	0.08809114	0.00060427	0.00064489	0.03436103	0.0039786
0.07682199	0.06701213	0.01068266	0.12539551	0.01632973	0.0036206	0.0068653	0.10734183	0.12482863
0.11157576	0.00726907	0.00552485	0.18485878	0.01650078	0.00092923	0.00305225	0.05437149	0.10306587
0.10574377	0.0490167	0.00881673	0.1199727	0.01434103	0.01330934	0.02296332	0.22703702	0.11587306
0.04198921	0.0484674	0.02158105	0.1904666	0.02047669	0.00355816	0.00779185	0.06702511	0.20324414
0.18016399	0.02351119	0.01286129	0.15204437	0.02652766	0.00149423	0.07535034	0.24704869	0.28858437
0.4671647	0.01906316	0.01783917	0.06948824	0.00661002	0.00210073	0.00925614	0.08053477	0.06563801
0.24218644	0.45888089	0.00860412	1.30303592	0.10543337	0.0008892	0.00094604	0.07841064	0.009006
0.05908507	0.1576168	0.01546878	0.38780905	0.05268867	0.00222915	0.00732658	0.09664656	0.15850148
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0.17692595	0.02647663	0.00905782	0.20384561	0.03513507	0.00179349	0.00186725	0.1496174	0.01145741
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0.21658134	0.01875855	0.00297421	0.08489786	0.02018104	0.00985034	0.01759372	0.13143619	0.04082618
0.10767959	0.07248279	0.00420171	0.17411405	0.0408235	0.00153883	0.00241872	0.08267502	0.05185847
0.1031021	0.02451795	0.01609585	0.16971537	0.01865953	0.00075943	0.1869348	0.07667291	0.15798838
0.06073107	0.03100385	0.02707614	0.11818546	0.01719894	0.01162304	0.17531085	0.13130566	0.05809707
0.42073091	0.05914345	0.00145079	0.12695802	0.05676365	0.0017484	0.00287046	0.03070323	0.02898566
0.10866365	0.02025503	0.01293082	0.13626355	0.01716984	0.00099142	0.58697097	1.67649001	0.19010401
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0.07770071	0.17009738	0.0055127	0.18428995	0.05607583	0.00063554	0.0013864	0.04286031	0.07521847

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0.14346184	0.07506238	0.02183741	0.17868502	0.01485114	0.00715801	0.00606993	0.25787171	0.13348486
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0.27206958	0.07371477	0.01695917	0.31582846	0.06711642	0.0007838	0.00264783	0.1180414	0.08612903
0.21958104	0.03902217	0.01094268	0.12422327	0.01573437	0.0008408	0.40928035	0.01950678	0.23218694
0.02959779	0.03004464	0.01008461	0.07414244	0.00521089	0.00363522	0.00690389	0.10342883	0.11834452
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0.24096995	0.39334002	0.01212184	1.05190338	0.11558017	0.00089702	0.00094675	0.07597998	0.0088234
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0.03829877	0.07408446	0.03495383	0.44631497	0.06315776	0.00361067	0.01167475	0.07278571	0.23785036
0.14370667	0.02012193	0.01059034	0.12334347	0.02129868	0.00089951	0.07051776	0.61513343	0.25761742
0.02432089	0.04439443	0.01465561	0.14832968	0.01461453	0.00784137	0.00851716	0.20963701	0.09642913
0.23476309	0.11921666	0.00597286	0.37441116	0.05053967	0.00139557	0.0015286	0.09361518	0.0570352
0.13010138	0.16578386	0.00577297	0.23231956	0.03273062	0.00127773	0.00140504	0.06858816	0.04432012
0.16395782	0.04817565	0.00453627	0.10037811	0.01337403	0.01119688	0.01657749	0.2094431	0.07979187
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0.10711697	0.05950054	0.01072474	0.09830371	0.02811756	0.00209866	0.00528921	0.10187742	0.07335035
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0.23841623	0.02935898	0.01105114	0.12977399	0.02271168	0	0.22794816	1.3226512	0.23638723
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0.17317809	0.19539082	0.0065598	0.29365787	0.04374805	0.00163995	0.0018111	0.087245	0.05554979
0.192745	0.02665657	0.00606806	0.14736031	0.01608222	0	0.37088991	0.01034248	0.20128681
0.0909981	0.00936503	0.01668714	0.33362445	0.01832837	0.00419396	0.03377126	0.11495772	0.43555971
0.09134772	0.00959698	0.01356098	0.18085413	0.0156669	0.00179004	0.01264479	0.07894703	0.23228138
0.05742439	0.0495803	0.06209779	0.3727701	0.05044418	0.00438173	0.03344562	0.10433608	0.46795013
0.23586284	0.31572621	0.00197466	0.26632656	0.09259726	0.00071711	0.00081114	0.0450831	0.00773496
0.07660818	0.03839456	0.00477673	0.24028285	0.0497638	0.00088862	0.00287513	0.02754033	0.09381441
0.05559508	0.17784867	0.01916635	0.25875604	0.05023224	0.00263688	0.00727161	0.11324705	0.1539508
0.2121401	0.06388746	0.01107119	0.22064925	0.04445779	0.00273858	0.00287301	0.1706136	0.07300338
0.27150286	0.02575749	0.030192	0.40115611	0.05369709	0.00084486	0.00377432	0.01992146	0.10329068
0.13839924	0.025006	0.01562433	0.17069071	0.01966727	0.00078314	0.24145976	0.14385826	0.15442714
0.08481419	0.03538633	0.02725854	0.13183532	0.01898738	0.01424827	0.07276837	0.14958167	0.11342379
0.13245088	0.03448075	0.0098868	0.15665789	0.01889348	0.00122748	0.65169704	1.35605949	0.24484595
0.05231887	0.09385472	0.00957963	0.18401196	0.02808648	0.00395234	0.00758203	0.11606654	0.11052001
0.16410786	0.03013423	0.01274134	0.19182774	0.0357555	0.00691788	0.00739634	0.31152829	0.11881783
0.05196765	0.00148703	0.00304827	0.01899727	0.00515898	0.00250881	0.00369008	0.03692438	0.01181608
0.10786664	0.09717782	0.03266161	0.47230447	0.06139329	0.00426747	0.01153076	0.09999542	0.32783896

0.14746588	0.04237514	0.01758307	0.23585298	0.03452169	0.01051849	0.00985691	0.27300098	0.10204257
0.16415667	0.00826444	0.01611501	0.21524014	0.11782144	0.00065334	0.00068446	0.00514667	0.0071791
0.23521727	0.03771421	0.0133155	0.1397083	0.0182094	0	0.31305852	0.02901774	0.29477766
0.16731767	0.02502547	0.01056101	0.07188834	0.01772366	0.00385967	0.01090146	0.22096557	0.13869829
0.09859344	0.00821108	0.06901186	0.32164724	0.01874935	0.00305066	0.02641916	0.08559536	0.35180695
0.18937932	0.039979	0.01229687	0.26928452	0.03487397	0.00090159	0.07004406	0.23837081	0.24268546
0.03987651	0.04551176	0.02134585	0.18229318	0.01970741	0.00355164	0.00778606	0.06449535	0.20992977
0.18145321	0.0313524	0.01412126	0.28374955	0.03740106	0	0.13023559	0.53960662	0.24525849
0.10977297	0.00533254	0.00914691	0.20025885	0.03129063	0.00087746	0.00190535	0.05467465	0.06567521
0.15422241	0.00949981	0.00891346	0.25754693	0.02293604	0.0013597	0.00443198	0.08182549	0.15548938
0.0939728	0.02659849	0.01938482	0.10848331	0.01524549	0.00075673	0.34756004	0.02396437	0.08549279
0.07260757	0.0076308	0.04380566	0.14797843	0.00933804	0.00143559	0.00782267	0.05225062	0.1606745
0.09144007	0.06277614	0.00249044	0.1592078	0.09643317	0.00138264	0.00225657	0.07638731	0.05208882
0.15293663	0.0497988	0.02227797	0.22588508	0.02632724	0.00085282	0.02624475	0.05532973	0.16999753
0.08247261	0.04030665	0.00869227	0.29959202	0.04340533	0.02475862	0.06062114	0.14547169	0.12204614
0.10049835	0.04974432	0.00637022	0.4521872	0.06569157	0.001207	0.00383071	0.03653853	0.11986116
0.10156591	0.04651498	0.02580087	0.20057672	0.03044401	0.02458565	0.05213678	0.14865728	0.14693341
0.11714317	0.05418355	0.01084952	0.1409942	0.0157755	0.01482404	0.02564443	0.26384789	0.13187374
0.10234845	0.02713652	0.00778355	0.13011959	0.01414942	0.01702843	0.04590235	0.191307	0.08358904
0.10832903	0.04919444	0.01245702	0.25672502	0.03678402	0.02580709	0.0579672	0.15829203	0.14679101
0.14131734	0.02621529	0.01096648	0.16648594	0.02083116	0.0098367	0.0992106	0.3130811	0.13521785
0.24811053	0.40113615	0.01122349	0.89714356	0.12563278	0.00098895	0.00337001	0.08989057	0.13170288
0.04674703	0.03786721	0.01889649	0.23978005	0.03832614	0.00495793	0.01929443	0.07789686	0.29049963
0.15630673	0.13886141	0.00287756	0.20617341	0.04068281	0.00092462	0.00314276	0.07433016	0.1336207
0.1922521	0.02562986	0.0121389	0.19698272	0.03257263	0.00670114	0.00713487	0.29369492	0.11567535
0.09277667	0.0420789	0.01106064	0.18295513	0.07709639	0.00138673	0.00296896	0.07425918	0.07462222
0.21413042	0.02689748	0.01043142	0.15886099	0.01953041	0	0.22364124	0.00513099	0.23406224
0.04612035	0.14473366	0.01547496	0.52745058	0.06020064	0.00449417	0.01475338	0.13805517	0.06004514
0.02589685	0.00961045	0.00948833	0.05608629	0.00613713	0.00571096	0.0082966	0.13466086	0.07074665
0.16692158	0.04906434	0.00461691	0.10217952	0.01361163	0.01138872	0.01687142	0.2132108	0.08122552
0.03769083	0.0503491	0.01658252	0.14421201	0.02720948	0.00172761	0.00469331	0.07832136	0.09577789
0.01503792	0.01537572	0.00168291	0.07313734	0.01662786	0.00343002	0.00470092	0.0544321	0.0159558
0.05936348	0.02932424	0.00541702	0.07243907	0.00797188	0.0079646	0.01205504	0.14019056	0.06144469
0.05610824	0.03332554	0.0100565	0.09296393	0.0089981	0.00359942	0.00685904	0.1013427	0.12186577
0.03323068	0.05678594	0.0148285	0.40343021	0.05241861	0.00672396	0.01853865	0.08128116	0.29041793
0.2378213	0.00950746	0.02239504	0.41236295	0.04895849	0.00097654	0.00215512	0.04204126	0.01357399
0.16312836	0.0387489	0.011115	0.24401819	0.03147747	0.00109333	0.06769218	0.52830714	0.24030098
0.27202156	0.20175931	0.00609588	0.3477936	0.04665397	0.00160472	0.00175977	0.10041097	0.06412941
0.18632994	0.03525572	0.01962196	0.11087525	0.01162479	0.00267769	0.00691568	0.09415878	0.11560226
0.22994808	0.02118801	0.01419371	0.22430987	0.02657497	0.00139283	0.07452796	0.22486997	0.24030034
0.4463141	0.05258438	0.01115873	0.06572646	0.00622978	0.00181867	0.0047055	0.05920639	0.07251789
0.05065297	0.03569	0.00950194	0.04712058	0.01261151	0.00179003	0.00260214	0.06364084	0.06648047
0.17321134	0.16480317	0.00666176	0.51610399	0.08704358	0.00070505	0.00077729	0.04218072	0.00839516
0.15424236	0.0194973	0.01461981	0.19958222	0.02370288	0.00061189	0.09135991	0.31141108	0.22794982

0.16270016	0.03134289	0.01740267	0.26188797	0.03003139	0	0.26461373	0.01027292	0.30001317
0.36417325	0.07356345	0.00450538	0.27802013	0.05484248	0.00195064	0.00317979	0.17437004	0.13491146
0.07961288	0.03878524	0.00844083	0.29057827	0.041976	0.0239811	0.05761129	0.14033639	0.11711271
0.12890608	0.00843791	0.00509792	0.24995303	0.04309323	0.00107219	0.0023192	0.06446339	0.06317217
0.04305707	0.09153406	0.03837291	0.50244478	0.07013697	0.00404893	0.01199385	0.0793632	0.24882651
0.07967368	0.07257139	0.01214455	0.30923565	0.03496667	0.00322594	0.01558276	0.08678664	0.16098939
0.14547176	0.02698273	0.01127893	0.17136797	0.02143514	0.01012986	0.10223138	0.32241245	0.1391906
0.09495018	0.04439964	0.00703772	0.33849758	0.03661793	0.00267442	0.01907377	0.07657147	0.28677752
0.03961189	0.15873227	0.0112123	0.38829332	0.05388058	0.00217481	0.00601384	0.105397	0.06274869
0.24244716	0.05763115	0.0021564	0.27895577	0.03463543	0.00802136	0.00954429	0.14409752	0.03508547
0.06580242	0.08018248	0.03447079	0.19794044	0.03277338	0.00579023	0.01268859	0.10607214	0.36794272
0.10554165	0.05918752	0.00200088	0.11574221	0.0554589	0.00143623	0.00228485	0.08266635	0.0508029
0.16220895	0.41170762	0.00519339	0.39347317	0.07877235	0.00053381	0.00059394	0.04089672	0.00344981
0.1577425	0.03443399	0.00821907	0.18213926	0.02115017	0.00070193	0.32577817	0.03724289	0.18175429
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0.16446355	0.01853351	0.0148052	0.21506855	0.02213176	0.04409726	0.02267186	0.12481949	0.03521332
0.05109666	0.10938362	0.04783831	0.55509306	0.07262867	0.00461803	0.01494994	0.08895685	0.22602261
0.10625177	0.09099129	0.03216937	0.46186476	0.06052236	0.00419503	0.01128957	0.10021523	0.32799235
0.1019254	0.00687124	0.00809756	0.19707088	0.03327326	0.00087842	0.00190866	0.05210118	0.05201334
0.05812058	0.05233499	0.02774106	0.42422661	0.04247958	0.00548897	0.01190724	0.06808583	0.185
0.18598524	0.03686509	0.02836121	0.23739787	0.03192351	0.00096892	0.0139246	0.01366067	0.19915253
0.12419699	0.41267202	0.00051299	0.38435013	0.14596804	0.0005582	0.00062924	0.01894517	0.00187813
0.09971434	0.00728455	0.03067005	0.27144272	0.01667813	0.00179745	0.01540576	0.06939667	0.24343423
0.12039472	0.77219326	0.00096641	0.23004073	0.08472237	0.00055382	0.00061786	0.02852183	0.00268586
0.0648752	0.0141327	0.01968224	0.16268242	0.02058058	0.00217026	0.01065146	0.10650328	0.15674542
0.02606658	0.00968125	0.00954889	0.05645085	0.00617667	0.00574542	0.00835966	0.13554017	0.0712044
0.09906544	0.00849441	0.01387163	0.28777221	0.0158775	0.00171868	0.01570084	0.07594314	0.25854833
0.24346903	0.02454695	0.53883781	0.26370123	0.01257884	0.00131466	0.00867741	0.06810321	0.24265771
0.05326438	0.07135892	0.02142455	0.2716771	0.03009984	0.00471955	0.01437706	0.10339548	0.24694446
0.07315141	0.06028389	0.01913554	0.46087873	0.04825833	0.00618203	0.01462606	0.07411404	0.21022063
0.13043587	0.0981131	0.01678453	0.2069145	0.03243435	0.00149332	0.00407011	0.07919022	0.07709742
0.21857346	0.20344638	0.00786308	0.27627187	0.03481203	0.00235214	0.00252589	0.14006038	0.0624254
0.11468293	0.01058415	0.1006445	0.19337409	0.01904903	0.00101602	0.00222296	0.0748704	0.10027758
0.15829998	0.03530626	0.00908966	0.19870787	0.02261189	0.00067493	0.16676473	0.03607705	0.18787432
0.19010971	0.18088596	0.00731586	0.56647174	0.09553678	0.00077115	0.00084796	0.04629435	0.00921652
0.18097697	0.00640178	0.02162641	0.17065867	0.03376903	0.00060826	0.00197536	0.00987991	0.06402956
0.13597232	0.02963953	0.00373958	0.27897231	0.03383967	0.02068477	0.02399252	0.13583072	0.02494827
0.04611713	0.0365689	0.00914691	0.08971253	0.00837842	0.00461819	0.00642734	0.12447359	0.07107916
0.06314568	0.0453356	0.08557238	0.34652998	0.05111523	0.00334312	0.01337529	0.07842517	0.27245398
0.20075769	0.04598362	0.02082904	0.18284673	0.02614634	0.00193323	0.5137209	0.31600003	0.46845616
0.21654697	0.05065564	0.01784137	0.18543837	0.02275081	0.02393926	0.02066563	0.10578166	0.18937486
0.08695293	0.08515865	0.03606671	0.47394951	0.066757	0.00380385	0.00921895	0.05473054	0.05421377
0.23010377	0.21168876	0.01028574	0.17760882	0.06942357	0.00137387	0.00223859	0.04938563	0.06921369
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0.37705934	0.08309442	0.01446327	0.32066263	0.0669436	0.00187852	0.00306814	0.16291536	0.13045431
0.08054781	0.09545724	0.0206268	0.35985645	0.04617694	0.00571326	0.02492268	0.13957531	0.21426627
0.3238962	0.01838264	0.02146163	0.41668275	0.04835975	0.00090467	0.00196846	0.03681563	0.01109917
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0.18832027	0.02457254	0.01344636	0.23553759	0.02772446	0.00156268	0.07879849	0.25827906	0.23602698
0.07768934	0.01191586	0.01176262	0.02983677	0.00337621	0.00045115	0.15753261	0.02614985	0.04384151
0.15090561	0.01215904	0.15770553	0.42978002	0.01427378	0.00274664	0.01795432	0.08329193	0.34757131
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0.1932704	0.09773884	0.00986062	0.23169924	0.02496743	0.01352885	0.01478228	0.17318811	0.08894999
0.0472165	0.06077125	0.03166951	0.44419952	0.04801905	0.00809863	0.04281752	0.13118443	0.31268905
0.19084748	0.02832472	0.01039462	0.12818651	0.02274448	0	0.12401606	0.90034467	0.31730543
0.06103874	0.08264501	0.03862153	0.39041696	0.046228	0.0045744	0.00802768	0.05402158	0.16938163
0.18891427	0.02288743	0.15393289	0.32731546	0.01913998	0.00125258	0.0027507	0.06262547	0.08910884
0.10956341	0.00941887	0.0171203	0.20691267	0.02091026	0.00082964	0.00181075	0.0450107	0.04141189
0.06008816	0.0778047	0.0121694	0.40553148	0.04410177	0.0073624	0.04798579	0.13848165	0.64028675

0.18645507	0.01143156	0.00769723	0.23046805	0.01894714	0.00076777	0.00084843	0.03020153	0.02589592
0.2840568	0.10028364	0.03165165	0.45920765	0.06826199	0.002745	0.04779984	0.08298339	0.49930051
0.17419353	0.02572585	0.02078362	0.11795264	0.01971574	0	0.12942461	0.08362083	0.09753097
0.16907654	0.03329985	0.01804032	0.16168158	0.01706134	0.00096862	0.49688425	0.72597523	0.20693966
0.03947006	0.04673181	0.02113917	0.28773827	0.04223024	0.00653126	0.02750294	0.10401361	0.39524589
0.08520131	0.04690499	0.03646056	0.2290312	0.03305795	0.00094087	0.00820047	0.07207931	0.16787144
0.20697265	0.03403021	0.01502809	0.20693434	0.03352513	0.03999601	0.01197424	0.12921865	0.02829874
0.06973734	0.01324329	0.0033918	0.08776735	0.00946677	0.01266598	0.03799939	0.15216064	0.09889307
0.07665195	0.00720347	0.0394559	0.31150834	0.01498254	0.00504714	0.03465596	0.1068632	0.47298144
0.18081102	0.02992196	0.03900842	0.20555311	0.04683393	0.00098554	0.00217398	0.05436308	0.06071664
0.26778021	0.02228959	0.10155513	0.23589539	0.01482452	0.00115944	0.00127877	0.04876651	0.05673889
0.06643253	0.08806186	0.03717286	0.45039595	0.05195077	0.00579509	0.01167101	0.05972682	0.20508576
0.13398033	0.06518674	0.00494853	0.34244091	0.27577112	0.00055195	0.00059831	0.00882441	0.00231311
0.13033908	0.05703818	0.00344091	0.45380038	0.26132868	0.00053826	0.00057439	0.00929584	0.00232422
0.23219858	0.00988424	0.02473156	0.35789605	0.03876699	0.00080659	0.00087372	0.02643553	0.00719112
0.55544441	0.09703276	0.00179336	0.27060031	0.05762479	0.00199525	0.00215637	0.02841659	0.00592544
0.14551437	0.01511492	0.39982038	0.39145836	0.02049353	0.00261017	0.02417218	0.06640272	0.3257825
0.07996423	0.01391312	0.00771427	0.17593861	0.0187413	0.15122857	0.08593611	0.33436602	0.04827818
0.16818922	0.31736342	0.00175364	0.36335425	0.10474699	0.00065325	0.0007325	0.03203822	0.00803499
0.07137305	0.06090907	0.01575649	0.23590332	0.03111109	0.00100154	0.00443794	0.08556099	0.11859743
0.12610564	0.03512877	0.01570994	0.22448577	0.02588755	0.000726	0.00828652	0.02535221	0.10336341
0.19362424	0.01479666	0.01789325	0.2564351	0.05887517	0.00063159	0.00065488	0.01049123	0.00710171
0.08026961	0.01140243	0.01700367	0.06535688	0.00996796	0.01134812	0.08197455	0.16073743	0.04051977
0.26851793	0.01253405	0.03616008	0.36279137	0.04212419	0.00103422	0.00112934	0.02633649	0.00990583
0.13090891	0.1354721	0.03491944	0.58514979	0.07332215	0.00959855	0.02098124	0.1092331	0.64948882
0.05724724	0.04458426	0.06383839	0.32243005	0.04555101	0.00436621	0.03447332	0.10353147	0.46224079
0.22889072	0.00754058	0.02346838	0.52050243	0.02129543	0.00096141	0.00105977	0.03330568	0.016973
0.29806832	0.10962363	0.03241387	0.45786511	0.06492175	0.01980019	0.0880186	0.20903358	0.58187085
0.20207154	0.03825096	0.00343259	0.3156504	0.25282109	0.0005423	0.00056958	0.00757713	0.00418292
0.22183391	0.00985542	0.0320844	0.28927962	0.03050077	0.00102734	0.00111745	0.04371627	0.03964801
0.2073929	0.08437736	0.0269701	0.34873446	0.05140685	0.00620437	0.04480858	0.10765229	0.41547173
0.10878823	0.01598972	0.00433064	0.13577717	0.01664061	0.02235165	0.02463876	0.0975659	0.07212519
0.15585117	0.01446546	0.02095594	0.36235578	0.10755037	0.00063794	0.00285347	0.01327886	0.08199492
0.08874938	0.08080005	0.01383791	0.34326219	0.03885847	0.00357476	0.01741416	0.09665424	0.17944366
0.06633607	0.04658711	0.01073399	0.14753747	0.0172072	0.0097008	0.01835569	0.14592648	0.07740444
0.07219774	0.05804005	0.01666889	0.48061221	0.04643148	0.005978	0.01307817	0.07059288	0.19338979
0.08511647	0.00822293	0.01625275	0.30283495	0.01878482	0.00408896	0.03199464	0.11457292	0.40773243
0.12222465	0.02253805	0.01234785	0.26391438	0.03528144	0.00352483	0.11182156	0.18668144	0.19675115
0.22769557	0.01017756	0.02071031	0.39752236	0.04892511	0.00078074	0.00083785	0.02348122	0.00569149
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0.04373581	0.04056872	0.01868243	0.24798297	0.03852021	0.00489254	0.01978164	0.07930329	0.30269885
0.16973598	0.03092221	0.01140928	0.29026954	0.02944368	0.00076475	0.00581232	0.0456104	0.09120905
0.28583369	0.08578111	0.0366685	0.33657652	0.05158757	0.00137541	0.02853463	0.06410793	1.28712397
0.1718328	0.01568268	0.01911033	0.51892253	0.07661759	0.00065749	0.00299334	0.02386205	0.08757712

0.04534468	0.0045266	0.03978168	0.05706891	0.00443296	0.00102191	0.00221396	0.0289316	0.07333037
0.19507623	0.0079917	0.01310512	0.17684593	0.07809068	0.00067735	0.00071142	0.00858221	0.00745283
0.15921318	0.02825495	0.01378656	0.17183921	0.03225289	0	0.22121012	1.02784167	0.28103454
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0.21756411	0.05178112	0.02212029	0.23021813	0.03309687	0.00086062	0.01044299	0.03428842	0.12555653
0.33827446	0.14011172	0.0596401	0.5611019	0.08073591	0.00231233	0.01761316	0.07239086	1.11572406
0.15315483	0.04458787	0.013767	0.15452133	0.01957818	0.01130131	0.02463062	0.12986257	0.09480078
0.25812478	0.03042722	0.02415327	0.48365844	0.15057499	0.00086274	0.00383902	0.0268152	0.13071773
0.16723932	0.45941736	0.00057334	0.42800773	0.16412852	0.00062389	0.00069918	0.02109875	0.00208892
0.15165534	0.09204594	0.02456966	0.32296613	0.05208658	0.00645971	0.03305868	0.08780784	0.30382281
0.22087392	0.02647487	0.32972615	0.3139671	0.03352115	0.00223432	0.01716962	0.05525813	0.26131029
0.13068469	0.89028296	0.00053363	0.24265129	0.14502864	0.00062181	0.00070387	0.01729362	0.00149341
0.0448672	0.03502912	0.00034149	0.06687725	1.29091292	0.00036403	0.00038202	0.00232949	0.00063938
0.36959696	0.05783712	0.01210118	0.37953443	0.03333527	0.00128351	0.01253618	0.1026619	0.25764896
0.04798464	0.0047893	0.04210102	0.06039767	0.00469023	0.00107869	0.00235001	0.03061403	0.07760798
0.11754563	0.02165147	0.00723998	0.2531051	0.0280246	0.00086228	0.01169739	0.03703667	0.28726319
0.17673947	0.03589394	0.02180411	0.12483528	0.01884861	0.00102802	0.42977627	0.61665129	0.26720337
0.10262393	0.00551035	0.00351601	0.11386779	0.01123446	0.05448085	0.030842	0.14507256	0.0051797
0.3079119	0.06166784	0.01172127	0.37323292	0.03233423	0.00131148	0.01333948	0.11076408	0.21976765
0.25388401	5.21512406	0.00133771	0.09882784	0.09814432	0.00145423	0.00146578	0.03931248	0.00395951
0.08620906	0.00813119	0.061588	0.16371528	0.00930431	0.000758	0.00825092	0.05464957	0.17390354
0.0367095	0.00610631	0.07746134	0.28720706	0.03073559	0.00986385	0.03121215	0.10236118	0.1727329
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0.19740801	0.71547946	0.00274988	0.28476438	0.08913584	0.00064804	0.00074717	0.04187433	0.00345128
0.04611214	0.05589025	0.0222292	0.27940041	0.02543964	0.0035974	0.00631311	0.06884697	0.14150925
0.09776781	0.03305709	0.00947359	0.10619591	0.01812111	0.00118243	0.62480229	1.30018639	0.23475216
0.05299111	0.03744603	0.01868793	0.23897359	0.03923515	0.00504462	0.01957179	0.08078243	0.30668401
0.14760564	0.03173755	0.37231677	0.19151481	0.04596458	0.00116835	0.00257375	0.06069846	0.10073994
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0.0747591	0.04348042	0.00957463	0.11562817	0.01390449	0.01099301	0.01914113	0.18746351	0.1000357
0.2354383	5.66030394	0.00123686	0.04176589	0.08859904	0.00134045	0.0013537	0.03565706	0.003678
0.12951675	0.03127184	0.01860926	0.28367879	0.11388659	0.00065932	0.00068796	0.00701867	0.00839529
0.10581471	0.04447948	0.02310706	0.32553755	0.02911468	0.00334047	0.01648074	0.04966653	0.38700541
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0.15299844	0.02094598	0.00822229	0.1946456	0.02275103	0.05254497	0.05230821	0.12664259	0.09038441
0.0182837	0.00248499	0.02895034	0.04336355	0.00403105	0.00097249	0.00324663	0.01729783	0.06309046
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0.18425208	0.01712177	0.07207225	0.28313582	0.02900862	0.00103515	0.00114379	0.03532686	0.0371911
0.10949	0.01494968	0.08714119	0.11963696	0.00999285	0.00089661	0.00589079	0.03646568	0.13148728
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0.05251208	0.04314648	0.01341005	0.15641232	0.01725637	0.0072824	0.0151573	0.12450297	0.07347279
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0.00037516	0.00111055	0.00030954	0.00333951	-0.01412244	0	0	-0.00481923	-0.00114841
0.06174338	0.0034219	0.00455519	0.1174589	0.00835415	0.00262484	0.01084799	0.04653956	0.10004378
0.00520016	0.11972734	0.000423	0.08830271	0.0891587	0	0	0	0.00039867
0.00022601	0.0002339	0.00012024	-0.00013025	0.00940818	0	0	0	0
0.06154351	0.0040844	0.03311746	0.21323427	0.04010598	0.00059966	0.00064062	0.00741862	0.00885412
0.04836169	0.52044761	0.00088703	0.05886563	0.07684578	0.0003386	0.00036749	0.00318961	0.00028294
0.00354884	0.01151429	0.0198798	0.07900912	0.01388803	0	0.00162133	0.00034171	0.07351818
0.00252468	0.05519934	0.00041296	0.03798969	0.14632696	0	0	0	0.00039838
0.00114819	0.01173586	0.000382	0.00386229	0.03921083	0	0	0	0.00036577
0.07105677	0.00358378	0.00297949	0.16665439	0.00988506	0.00205504	0.0052801	0.03755615	0.15101803
0.00014761	0.00102948	0	0.00033102	0.02549183	0	0	0	0
0.04354563	0.00375186	0.01421851	0.17938281	0.02639592	0.00254621	0.00559332	0.0427443	0.12688745
0.09237771	0.01161344	0.00975765	0.1759019	0.00834334	0.00069772	0.00232541	0.00130565	0.1842498
0.00197507	0.00148712	0.02761758	0.04099392	0.01013938	0	0.00061995	0.00036284	0.07795858
0.00048628	0.00144695	0.00869249	0.07079329	0.00708422	0	0.0012191	0.00035323	0.12659169
0.12286037	0.00800686	0.00485776	0.13884837	0.01429874	0.20651324	0.06162044	0.22750237	0.02207581
0.06995741	0.00407107	0.00290958	0.15379896	0.00908202	0.0033565	0.01186147	0.04781113	0.16626336
0.00163889	0.00541922	0.00049582	0.00517175	0.0818662	0	0	0.0003879	0.00022629
0.00247132	0.00989373	0.01110339	0.06150198	0.01046571	0	0.00102447	0.00030377	0.05320387
0.00136787	0.00136619	0.01950729	0.03113705	0.00754751	0	0.00057289	0.00032975	0.06523329
0.01583805	0.003441	0.03225135	0.1392139	0.01543974	0.00236039	0.00693388	0.02683799	0.17455976
0.00906027	0.00210535	0.00218128	0.01749865	0.00445452	0.00017381	0.00019163	0.00089596	0.00100424
0.00067229	0.00086099	0	0.00266461	0.0033058	0	0	0	0
0.00275016	0.0008742	0.00050795	0.00477038	0.00723337	0	0	0.00042604	0.00015144
0.00075277	0.00231439	0.00019489	0.01179218	0.03069993	0	0	0	0.00023641
0.00690993	0.00141673	0.00141352	0.01373346	0.00590789	0	0.00011448	0.00047697	0.00043768

0.07430442	0.00327901	0.02358732	0.12541138	0.00896966	0.00225573	0.01075374	0.04843399	0.15521408
0.02147057	0.00689296	0.00636457	0.04619833	0.01006018	0	0.00027359	0.00138615	0.00085397
0.00321856	0.00146203	0.00054274	0.00550535	0.02043759	0	1.842E-05	0.00077691	0.00017073
0.00339218	0.01142893	0.01182808	0.08464456	0.01324569	0	0.00158733	0.00031323	0.12321076
0.17788303	0.02922595	0.00151283	0.1426953	0.01865861	0.04928809	0.01727313	0.08149544	0.00811394
0.00011361	0.00232925	0.00024984	-0.00060588	0.04637256	0	0	0	0.00046404
0.02368989	0.00537585	0.00614095	0.04741792	0.02445994	0	0.00025648	0.00222166	0.00246085
0.00016881	0.00298089	0	0.00130431	0.02855237	0	0	0	0
0	0.00047396	0.00011064	-3.6507E-05	0.00865635	0	0	0	0
0	0.00210251	0	0.00837854	-0.01130868	0	0	0	0
0.00577771	0.04001292	0.00080874	0.06438809	0.13943007	0	0	0.00043799	0.00042465
0.00090466	0.00087039	0.00019429	0.00384324	0.00092935	0	0	-0.00164223	0
0.00135687	0.00048256	0.00022718	0.00244428	0.00763524	0	5.2342E-05	0.00020075	8.6991E-05
0.00021975	0.00431553	0	0.00225023	0.03945112	0	0	0	0
6.0579E-05	0.00024427	6.4017E-05	-0.00078977	0.02976788	0	0	0	0
0.00060705	0.00036383	0.00012103	0.00099228	0.00135528	0	0	9.1546E-05	0.00011265
0	0.00075462	0.00024179	0.00010076	0.01472049	0	0	0	0
0.00354797	0.0008808	0.00098984	0.00775274	0.00232054	0	7.6966E-05	0.00031825	0.00045498
0.00736611	0.0025603	0.00204965	0.01508977	0.00662888	0	0.00021636	0.00086508	0.00109865

ND	OH	OK	PA	RI	SC	SD	TN	TX
0.10991531	2.27574143	0.01852283	3.13784735	0	0.00464433	0.0300819	0.09237949	0.02738735
0.01402096	0.44661407	0.0062102	0.17053339	0.00062941	0.05601771	0.00695091	0.09781726	0.02362487
0.0386777	1.74558137	0.00910561	0.79213536	0.00181847	0.03100087	0.01197524	0.06499407	0.00925724
0.05586218	0.97654351	0.0256103	0.86067755	0.00075937	0.01107851	0.01786412	0.07247857	0.05919814
0.01684263	0.53677636	0.00748363	0.20551858	0.00075928	0.06764146	0.00836492	0.20498634	0.0284427
0.04110792	1.86714018	0.00971911	0.84747874	0.00193838	0.03317496	0.01271271	0.11162715	0.00988018
0.0665362	0.27249368	0.06512975	0.16890124	0.00077935	0.00508651	0.05149917	0.10535316	0.31427021
0.05722993	1.56604429	0.01612939	0.33594167	0.00082939	0.01179302	0.0165861	0.09438054	0.02058142
0.00958399	0.42802022	0.04479768	0.1936607	0.00065931	0.06543022	0.00758462	0.19199797	0.18102063
0.00960106	0.67995842	0.04205219	0.33751763	0.00096924	0.19278164	0.00481328	0.27724013	0.08159724
0.0809302	0.28910437	0.06896925	0.17106361	0.00075923	0.00347371	0.08227698	0.02696825	0.1073004
0.00607139	0.46456267	0.03429755	0.13437782	0.00059936	0.05890869	0.00304549	0.1214641	0.17729089
0.05484351	0.81453683	0.02730682	0.47644298	0.00065941	0.00920628	0.01794864	0.09628113	0.06081998
0.13763701	0.20600797	0.05333181	0.14174503	0.00063956	0.00341507	0.08094316	0.01247657	0.12659801
0.00919931	0.13246741	0.04042474	0.83881291	0.0004797	0.06401435	0.00533512	0.13409242	0.09203135
0.02435838	1.1105114	0.01677906	0.70212503	0.00154884	0.06903238	0.00904992	0.07240866	0.01541001
0.02570781	1.17209192	0.01770962	0.74085935	0.00162878	0.07283455	0.00954827	0.07639938	0.01625383
0.02499344	1.13957525	0.01721467	0.72022319	0.00158881	0.07080053	0.00928913	0.07426849	0.01580177
0.08747144	1.41972161	0.01761002	1.05501253	0.00092927	0.01454218	0.02492231	0.06445033	0.02263882
0.01538727	0.48998566	0.00682225	0.18726891	0.00068935	0.06156947	0.00762804	0.10737762	0.02593821
0.12324136	0.18432011	0.04772444	0.12679898	0.00056961	0.00305487	0.07244918	0.01116154	0.11325209
0.01240348	0.19748002	0.05738171	0.19056275	0.00078936	0.16765765	0.005789	0.12579894	0.16404265
0.03035962	0.61084253	0.03519408	0.29991785	0.00082935	0.16531322	0.02803234	0.2775418	0.04155781
0.03771809	1.39922156	0.01617886	0.54516174	0.00093915	0.12312426	0.01495941	0.10343936	0.01934692
0.08447212	0.3017678	0.07198719	0.17855773	0.0007892	0.0036213	0.08588063	0.02814839	0.13828447
0.00778232	0.37560613	0.02212684	0.15089141	0.0005594	0.08342078	0.00503607	0.11602378	0.1274851
0.04835011	0.86214187	0.0223941	1.004783	0.00069944	0.00950813	0.01517566	0.06024395	0.05078841
0.06568775	0.2352962	0.05075722	0.24216818	0.00077936	0.06764298	0.05328396	0.21763643	0.21711087
0.00886745	0.50648846	0.02668898	0.17626915	0.00068932	0.08251992	0.0054958	0.14582459	0.14720375
0.05873324	0.27080751	0.05388964	0.16485086	0.00070943	0.00461468	0.04425191	0.10073189	0.27190691
0.08276969	0.32073241	0.03755033	0.17113753	0.00088948	0.0563317	0.03718304	0.20496006	0.07286012
0.11931567	0.24014322	0.0706528	0.15079014	0.00087923	0.07516977	0.06837282	0.23676763	0.10044574
0.03607098	1.63122518	0.00851247	0.74070742	0.00169857	0.02904264	0.01115832	0.06090819	0.00865413
0.04084872	1.84732952	0.00963956	0.83883103	0.00191839	0.03288839	0.01264278	0.11058151	0.00979998
0.0652691	1.78892139	0.01837737	0.38340772	0.00093932	0.01342527	0.01891865	0.1074456	0.02344394
0.0070397	0.38310368	0.01904832	0.15079534	0.00050945	0.06868416	0.00451827	0.0875622	0.09416692
0.04565266	1.53298825	0.07033695	0.43234118	0.00112897	0.14326385	0.01794742	0.12771002	0.12331038
0.02975063	0.49944998	0.01430965	0.62661198	0.00056947	0.00405216	0.01070605	0.06259011	0.03038016
0.02798891	0.82020157	0.04839032	0.44558545	0.00071922	0.01993215	0.01317626	0.13103725	0.1681377
0.01068344	0.15259399	0.00160511	0.16050386	0	0.00058885	0.00246254	0.00802803	0.00249032
0.02746402	1.25230293	0.01891734	0.79141522	0.00174869	0.0777912	0.01020609	0.08161026	0.01736888
0.04790944	0.29872842	0.08882406	0.30313649	0.00081933	0.07449307	0.04099163	0.20130135	0.30787197
0.00420366	0.55063308	0.02442107	0.21219552	0.00070926	0.07508101	0.00212014	0.12870765	0.13997669

0.09159243	0.30035989	0.04207922	0.16180926	0.00084933	0.06402746	0.05064305	0.29543516	0.0933255
0.12125811	0.12405902	0.0433091	0.08814079	0.00057945	0.00318607	0.07012423	0.04971844	0.09119461
0.02337616	1.06582864	0.01610597	0.67359756	0.00148889	0.06621666	0.00868115	0.06946297	0.01478716
0.03978688	0.88447189	0.02221532	0.96088749	0.0005896	0.00385803	0.01232293	0.07765624	0.05104
0.09529157	1.74569309	0.01637902	1.95433131	0	0.02066421	0.02561292	0.16729731	0.02257292
0.01617913	0.26954693	0.06285197	1.25558618	0.00068951	0.09303636	0.00812435	0.15220416	0.15138356
0.12079042	0.13211637	0.07063709	0.09919566	0.00061961	0.00199576	0.10214054	0.0396254	0.10399326
0.04505801	1.29224729	0.01914118	0.78646861	0.00120885	0.15876045	0.01646032	0.15169043	0.02173549
0.03814401	1.41510267	0.01635665	0.55132746	0.00094914	0.12451392	0.01512873	0.10460806	0.01956814
0.05133369	0.30118556	0.02872461	0.1689346	0.0007395	0.05586705	0.03677906	0.21899503	0.08473962
0.13771337	0.14092272	0.04919277	0.10013172	0.00065938	0.00362522	0.07965397	0.05648891	0.10360613
0.06359115	1.74055325	0.01792159	0.37332329	0.00091933	0.01310912	0.01843013	0.10484243	0.02287157
0.04462526	2.01754667	0.01052935	0.91609271	0.00209824	0.0359121	0.01380842	0.12075158	0.0107046
0.0409289	1.37778261	0.06302963	0.38776189	0.00100909	0.12816791	0.01608512	0.11451518	0.11041774
0.09689625	0.20085228	0.05795091	0.12931687	0.00073925	0.00255488	0.09308702	0.03724518	0.20974891
0.01147223	0.12872563	0.02939874	0.71966321	0.00558594	0.07188917	0.01148287	0.11339283	0.06505755
0.01099344	0.1712529	0.04862674	0.15763709	0.00080933	0.1633404	0.00507119	0.06598518	0.13441082
0.06990608	0.13426422	0.07260538	0.10276935	0.0006995	0.003032	0.06115629	0.04462254	0.20078957
0.03125735	0.86009542	0.04326326	0.470763	0.00116882	0.10959054	0.02049797	0.18915561	0.03213666
0.02659888	0.2601784	0.03215491	0.19807528	0.00069967	0.00373954	0.01964901	0.04356555	0.18902059
0.03959316	1.48554403	0.01686206	0.57109114	0.00097912	0.12753172	0.01566705	0.10793531	0.02017059
0.02075465	0.23875359	0.06004801	0.28026485	0.00090935	0.18009369	0.01325806	0.18042251	0.1443644
0.12266861	0.09755404	0.04059058	0.10966466	0.00055958	0.00180216	0.08718129	0.02487951	0.07576033
0.04361153	1.35516725	0.0179067	0.60008322	0.00103901	0.14159757	0.01754556	0.11513678	0.02137368
0.01774791	0.42791828	0.0175947	0.26104741	0.0003697	0.0278449	0.00614775	0.04516396	0.03623915
0.06992444	1.32705878	0.01145996	0.60400844	0.00071945	0.01591309	0.01758989	0.04547286	0.01178503
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0.00634325	0.43675505	0.00798473	0.28609483	0.00057934	0.12223915	0.00288528	0.05595851	0.01189255
0.0180689	0.42115166	0.01820968	0.29807674	0.00073937	0.0188212	0.00613689	0.0300924	0.03813605
0.04696971	0.62609621	0.04093553	0.31616596	0.00093892	0.19737033	0.05104875	0.11056354	0.04138828
0.03789199	0.53681264	0.04593999	0.30280827	0.00100885	0.10637359	0.02848487	0.14012766	0.03566734
0.01841814	0.24033442	0.06857104	0.31645402	0.00080928	0.19131254	0.00885512	0.1456064	0.1761772
0.05828165	0.27018286	0.05332132	0.16339867	0.00069944	0.00455529	0.0439046	0.09963223	0.26889012
0.02094315	0.2408014	0.06058249	0.282767	0.00091935	0.18174438	0.01337766	0.18206309	0.14566037
0.00506466	0.56968753	0.02604118	0.21087405	0.00073924	0.0889129	0.00218991	0.1370237	0.14893535
0.01568417	0.49937708	0.00696039	0.1910689	0.00070933	0.06287001	0.00777739	0.10951333	0.02646135
0.01096392	0.12386585	0.02640281	1.031682	0.00048968	0.0396763	0.00837543	0.10654001	0.05592443
0.0229402	0.59133885	0.0148457	0.32582471	0.00096912	0.11519389	0.00978044	0.12350302	0.01426874
0.00807134	0.56763226	0.02303207	0.21399723	0.00062935	0.0868974	0.00559408	0.11208338	0.10922954
0.05851076	0.94797105	0.01182197	0.70521222	0.00061951	0.00977204	0.01666115	0.06693064	0.01520336
0.04602047	1.54969996	0.07084334	0.43596144	0.00113897	0.1440242	0.01808708	0.12874582	0.12410271
0.00709459	1.2453149	0.00945704	0.56249465	0.00077932	0.10949448	0.0014643	0.0834474	0.00789193
0.04997017	0.31102873	0.09250928	0.19556412	0.0008593	0.07792306	0.04271482	0.21038761	0.32149522
0.11890946	0.11375776	0.03978468	0.10752838	0.00060949	0.00398974	0.08425565	0.03802874	0.07488148

0.08724594	1.42493277	0.01829606	0.41705553	0.00086932	0.01381231	0.02440561	0.10676167	0.02312927
0.01743067	0.8211683	0.10376904	0.5558514	0.00133862	0.19294202	0.00668935	0.09776901	0.13901798
0.01014652	0.14147107	0.04474594	0.10969344	0.00127888	0.17744386	0.00474156	0.05980839	0.12396818
0.11089258	0.14241593	0.03863318	0.10931525	0.00061955	0.00328169	0.06905438	0.0187396	0.0743119
0.01358652	0.28130438	0.00229177	0.38807117	0	0.00057115	0.00372033	0.01143417	0.00339207
0.07696363	1.44172029	0.01874768	0.60216533	0.00070952	0.00969769	0.02094714	0.04266979	0.03268416
0.02105546	0.91301602	0.05390168	0.57745655	0.00159831	0.05000367	0.00726587	0.21437847	0.23119975
0.03847262	1.25099105	0.01643116	0.53170112	0.00094912	0.13785454	0.01520704	0.10832856	0.01961076
0.12950899	0.19290867	0.04998475	0.13256929	0.00059959	0.003185	0.07598909	0.01165891	0.11839204
0.01786598	0.25068208	0.07731662	0.2260012	0.0018285	0.25217953	0.00846916	0.17641092	0.2151097
0.08013256	0.19355094	0.0431456	0.1227968	0.00065942	0.0638655	0.0514999	0.13363337	0.11039549
0.02072482	0.23834731	0.05995867	0.27981022	0.00090935	0.17984752	0.01323811	0.18016234	0.14415371
0.08564946	0.30596406	0.07299317	0.18104123	0.00079919	0.00367806	0.08707521	0.02854341	0.14021642
0.04469732	0.36061209	0.02740424	0.16263118	0.00065941	0.11409336	0.01915354	0.19674458	0.15872468
0.04191004	0.63801602	0.0367289	0.38757301	0.00108889	0.11338118	0.02687827	0.13639836	0.0348954
0.04778246	1.01644858	0.02081905	0.70379718	0.00160841	0.07787151	0.01680617	0.06407043	0.01797768
0.036894	0.69269948	0.01936875	0.60745687	0.00049962	0.00277502	0.01281656	0.03828681	0.04552086
0.01156686	0.19134259	0.05254203	0.16162611	0.00071945	0.16944369	0.00539166	0.07635167	0.14726466
0.04564208	1.30863489	0.01938794	0.7967673	0.00121884	0.16086926	0.01666942	0.15368604	0.0220272
0.04261805	1.35700958	0.01725858	0.58452213	0.00100905	0.13514949	0.01707864	0.11155722	0.02062757
0.06729753	1.0679095	0.01159331	0.50966522	0.00067941	0.0160959	0.01727362	0.07065928	0.01118869
0.05430673	1.04318896	0.01409426	0.46819927	0.00076938	0.01532846	0.01539453	0.10047418	0.01922461
0.03841766	0.58502943	0.03367158	0.35536498	0.00099898	0.10393396	0.02463844	0.12507638	0.03198739
0.03529386	0.60075249	0.01100634	0.45186734	0.00053956	0.00317271	0.01095985	0.04167554	0.01643221
0.09656941	0.20008751	0.05774352	0.12884759	0.00073925	0.00255499	0.09277828	0.03710755	0.209045
0.0270013	0.44010563	0.03183219	0.23085499	0.00079905	0.06344353	0.02244137	0.09835623	0.02599696
0.00720605	0.42050235	0.0283321	0.14624876	0.00058935	0.06728299	0.00418942	0.10506069	0.14377155
0.03193364	0.72373634	0.01728514	0.85771421	0.00183833	0.07225955	0.01192172	0.12093317	0.02315796
0.05931434	1.62421436	0.01671373	0.34826528	0.00085937	0.01221983	0.01719418	0.09772022	0.02131459
0.02718813	0.37870315	0.03069356	0.16482487	0.00067926	0.06889213	0.02333712	0.10519429	0.02311225
0.0370246	0.40174091	0.10827527	0.25745039	0.00084931	0.08694777	0.03382828	0.30140741	0.24902387
0.04169128	1.20889717	0.00957434	0.4297479	0.00072936	0.016773	0.00890495	0.06011329	0.01066731
0.00866434	0.59888416	0.01083861	0.40078106	0.00078909	0.17288627	0.0039099	0.07561129	0.01565954
0.00768572	0.54241012	0.02190861	0.20376669	0.00059938	0.08257812	0.00532537	0.20235391	0.10396519
0.07320303	0.26142773	0.06236106	0.15471699	0.0006893	0.00314461	0.07442249	0.02439036	0.11981051
0.04727615	0.82028293	0.06273074	0.57238987	0.00099901	0.12798926	0.01677606	0.13202653	0.11977969
0.01190921	0.19686849	0.05386946	0.23456695	0.00091926	0.17981809	0.00552027	0.07543487	0.14843484
0.10030668	0.18175694	0.04956616	0.13001696	0.00078909	0.08690514	0.10381634	0.04742231	0.22781375
0.01531025	0.25705316	0.06740932	0.66444616	0.00076905	0.06885923	0.00611638	0.20006203	0.2809297
0.00517117	0.3904	0.00657305	0.24592027	0.00046949	0.09807206	0.00236864	0.04934062	0.01019663
0.04998315	0.22635647	0.04591405	0.13411372	0.00066947	0.05919245	0.03557467	0.22640806	0.24794329
0.03988999	1.49489952	0.01699029	0.57540331	0.00098911	0.12863031	0.01578651	0.10878785	0.02033157
0.00884513	0.12247381	0.01782077	0.88752792	0.00043969	0.04044708	0.00640016	0.08379871	0.04768213
0.02034043	0.32658142	0.05926787	0.84005269	0	0.14085513	0.01015633	0.19663876	0.1457604

0.01360823	0.58020732	0.0172575	0.39496484	0.00089893	0.1903521	0.00738074	0.07532905	0.01473663
0.0303212	0.38053417	0.03273203	0.32376525	0.00080924	0.01675997	0.01303578	0.05246223	0.07703707
0.00950218	0.48119171	0.02479527	0.20935634	0.00063931	0.09741148	0.00633966	0.11424345	0.11805946
0.01743937	0.20046979	0.05044075	0.23560358	0.00076945	0.15136319	0.01114472	0.15161782	0.12127494
0.03531306	0.34238274	0.042723	0.205016	0.00092956	0.00498731	0.025935	0.05768495	0.25104973
0.09755532	0.1240924	0.05351974	0.10681321	0.00056953	0.00306125	0.07304289	0.01455586	0.11257221
0.01220626	0.20045728	0.05507372	0.23329188	0.00093924	0.18396466	0.00565968	0.12024342	0.15180437
0.02984435	0.82830732	0.01488832	0.68392241	0.00100915	0.03018456	0.00899618	0.13349253	0.01917843
0.13511474	0.05007854	0.0374845	0.06700075	0.00053957	0.00176951	0.13887711	0.02403429	0.05193178
0.01042618	0.1726391	0.04734704	0.14580408	0.0006495	0.15266538	0.00486348	0.06886959	0.13269591
0.05869714	0.18313868	0.05467123	0.12522995	0.00068943	0.06539788	0.05022467	0.12503863	0.21411896
0.11651861	0.30930239	0.04497363	0.18403054	0.00091895	0.00432065	0.14090059	0.0336272	0.06823418
0.1226124	0.30206461	0.03839487	0.17774907	0.00085909	0.00394528	0.13836911	0.03298219	0.05385513
0.03668004	0.29920483	0.01629393	0.13938145	0.00068927	0.18412881	0.02539032	0.12872365	0.02932833
0.00935805	0.1285204	0.07408088	0.01854858	0.00026969	0.00241566	0.00207951	0.0712013	0.41662794
0.02051918	0.26101691	0.04884245	0.36394218	0.00055953	0.22268009	0.0100227	0.16771425	0.12017066
0.03835412	0.28219985	0.03803413	0.24421806	0.00061941	0.10321227	0.02421718	0.17307502	0.18457879
0.02248152	0.362326	0.02875144	0.33450057	0.0006393	0.12727163	0.01849036	0.11722368	0.01908602
0.03182812	0.42909893	0.06346239	0.27234581	0.00093907	0.21936466	0.02919157	0.12958161	0.169396
0.09573063	1.37148213	0.03869771	0.52383216	0.0009393	0.01439372	0.02825654	0.07604867	0.08813847
0.04725481	0.79439695	0.06054772	0.50826887	0.00113873	0.23778151	0.04984311	0.27768011	0.08595972
0.04517668	0.15125404	0.04033511	0.16376564	0.00054955	0.05036019	0.03793053	0.16098531	0.16810412
0.04424893	0.88013952	0.01534976	0.51788742	0.00096917	0.00757665	0.01353819	0.07675748	0.02147219
0.10730942	0.09487058	0.03924041	0.06589105	0.00052963	0.00113549	0.08956462	0.01934875	0.06086894
0.01448563	0.49038572	0.02048191	0.34850994	0.00077906	0.16387995	0.01074239	0.06781484	0.01541244
0.00753979	0.53059673	0.10360275	0.14298326	0.0007991	0.09370622	0.00367148	0.11396478	0.27534046
0.03508299	0.71875574	0.01914049	0.77599952	0.00193808	0.08039152	0.01535224	0.08333282	0.02535255
0.01790918	0.34060665	0.0383328	0.23936027	0.00059936	0.11657548	0.01215253	0.08814734	0.09202282
0.02502968	0.37648366	0.11375671	0.36417074	0.01150866	0.28728807	0.01040434	0.1235538	0.2781742
0.00781081	0.39141354	0.0251576	0.14867572	0.00060934	0.08401634	0.00544379	0.12181338	0.13712928
0.10603224	0.28812127	0.03383601	0.16809253	0.00078923	0.00270139	0.11642143	0.03269555	0.0480361
0.04064674	0.61110363	0.0515031	0.40807331	0.00095888	0.20346071	0.04290611	0.21832652	0.0740256
0.03491851	0.32255078	0.00911767	0.18191999	0.00053947	0.12048809	0.01602002	0.14640995	0.01310807
0.03180198	0.30977918	0.03846272	0.18436162	0.0008396	0.00447466	0.02343073	0.05202104	0.22605161
0.0165023	0.27345976	0.08079678	0.27809918	0.00091927	0.21717538	0.0077726	0.11723434	0.2322584
0.03684	0.95981543	0.00906521	0.61570643	0.00138871	0.02853666	0.01111416	0.09520473	0.00858832
0.06485037	0.25130177	0.02941537	0.13406015	0.00069959	0.04411737	0.02913407	0.1190997	0.05707366
0.02091962	0.31249065	0.05899113	0.65000851	0	0.15886518	0.01011317	0.12094698	0.14795589
0.01465635	0.12884832	0.03481694	0.36386282	0.00308693	0.07615533	0.01272372	0.15600005	0.10466109
0.05529686	1.21004708	0.03476833	0.40204698	0.00074937	0.00983353	0.01520275	0.06709624	0.08160962
0.01822949	0.23040071	0.07271878	0.28352985	0.00084925	0.19119272	0.00871558	0.16821362	0.20528632
0.02501471	0.21935982	0.02697326	0.10477113	0.00063938	0.19053944	0.01766393	0.13248311	0.13250815
0.08871775	0.23241966	0.04796428	0.14351249	0.00071944	0.06332666	0.05502077	0.13116759	0.20207968
0.0464057	0.30742073	0.02850453	0.10805551	0.0005494	0.114324	0.05105215	0.07182374	0.02197529

0.03310663	0.22668866	0.0503727	0.15707382	0.00060942	0.06422509	0.02453574	0.09718832	0.08098936
0.03035624	0.71599711	0.04250776	0.81143595	0.0010888	0.10642672	0.02260891	0.17715948	0.02998059
0.04834979	0.7096618	0.02086534	0.57008279	0.00121862	0.23603507	0.02441649	0.13530207	0.02241434
0.01224694	0.17049614	0.05402389	0.13265466	0.00154864	0.21429669	0.00571771	0.07210615	0.14968632
0.04278937	0.22882947	0.04747963	0.1572012	0.00059945	0.0507525	0.03075541	0.08639685	0.08745337
0.03027639	0.37299968	0.09432329	0.34619433	0.00497496	0.06633226	0.01015421	0.23906934	0.27183058
0.03090569	0.55866037	0.01120758	0.25944252	0.0006993	0.00969023	0.00916941	0.08967357	0.01573496
0.0641254	0.47421973	0.0524215	0.30865058	0.00092921	0.04408276	0.01966559	0.11053164	0.11946716
0.04965521	0.08051501	0.07629412	0.09763841	0.00052965	0.00230588	0.04638384	0.01460018	0.13996208
0.02608087	0.36341491	0.02945208	0.15816023	0.0006493	0.0660992	0.02239171	0.10094569	0.02217607
0.00599605	1.07903068	0.00797701	0.48093464	0.00065944	0.09156545	0.00125523	0.07132906	0.00667462
0.04044304	0.21618043	0.0597055	0.18020324	0.00069925	0.07936153	0.02965868	0.21922227	0.25429042
0.02570253	0.32589807	0.05101121	1.9181345	0.00083954	0.2553064	0.01250964	0.1464039	0.1158953
0.01350103	0.48932348	0.00903339	0.33043633	0.00073913	0.15759408	0.00760986	0.08894623	0.00924635
0.01292231	0.21425653	0.06324731	0.21629422	0.00071943	0.16999561	0.00608857	0.09183737	0.18182446
0.13301619	0.08141368	0.03909181	0.10564491	0.0005596	0.00244027	0.07811335	0.03090413	0.06916863
0.05857638	1.08780739	0.02170971	0.64617408	0.00189821	0.03987412	0.02185809	0.10057068	0.03173199
0.11022206	0.22235286	0.07282654	0.15113272	0.00074913	0.00353351	0.1126252	0.01401323	0.1255068
0.01396774	0.2344083	0.06148935	0.60598936	0.00069914	0.06280888	0.00557933	0.18249591	0.25625554
0.03003504	0.54798593	0.04027291	0.58009863	0.00082907	0.01812352	0.01209972	0.04889299	0.13104894
0.01699213	0.23459799	0.02144823	0.82229043	0.00050958	0.06533858	0.00566916	0.09900763	0.06669474
0.09248317	0.26482112	0.04696408	0.15881363	0.00077918	0.00268951	0.10493861	0.03218457	0.10488917
0.10697248	0.29066772	0.03413203	0.16958132	0.00079922	0.002724	0.1174569	0.03298507	0.04845862
0.04464148	0.99026172	0.0249396	1.07765092	0.00065955	0.00433852	0.01381832	0.08716359	0.05733653
0.030389	0.56216234	0.04225381	0.26705707	0.00080929	0.12517026	0.02733329	0.24365878	0.07383343
0.03661674	0.29385834	0.04506863	0.13322525	0.0007093	0.14124836	0.0285539	0.26538733	0.23098057
0.12045301	0.11035817	0.03465633	0.08556194	0.00067931	0.17300854	0.06497487	0.1919683	0.06400622
0.02425101	0.30749254	0.07349553	0.23207985	0.00086949	0.55408384	0.01825257	0.23512582	0.17231305
0.03519378	0.37706052	0.10132795	0.24936124	0.00080933	0.12623693	0.03295889	0.26816556	0.22867759
0.02076714	0.30856085	0.08858336	0.28842548	0.0057644	0.2577622	0.00919025	0.17701488	0.22421225
0.04462558	0.66144918	0.01976313	0.58955335	0.00091896	0.12736808	0.02002889	0.09844814	0.03308737
0.05579038	0.15288273	0.05422616	0.10408327	0.00062949	0.05913183	0.04826475	0.16395706	0.18491702
0.07868801	0.13406392	0.044476	0.08085656	0.00057951	0.0495587	0.04332678	0.16407541	0.1476193
0.03122042	0.70731007	0.01689989	0.83846781	0.00179836	0.07065813	0.01166276	0.11823083	0.02263509
0.0247175	0.64283969	0.08073381	0.40073137	0.00096895	0.15894818	0.00878765	0.07953747	0.11439084
0.03536473	0.33207008	0.01457102	0.13291859	0.00061944	0.08837735	0.0245617	0.19754773	0.02663546
0.01068217	0.51069231	0.01903104	0.28457314	0.00230779	0.39671826	0.00306694	0.20683989	0.07058004
0.07333357	1.15710823	0.01183072	0.65664552	0.00074935	0.01695165	0.01824997	0.0438725	0.01304835
0.01997033	0.22400241	0.0878885	0.10736581	0.00079928	0.16765236	0.01416322	0.19319831	0.23050106
0.01803131	0.41482526	0.06574605	0.52767355	0.0006992	0.01902553	0.00797921	0.14430432	0.26508445
0.03857679	0.59587089	0.06730365	0.47058894	0.00291725	0.21912867	0.03587958	0.28173098	0.16944897
0.04642588	1.18189001	0.02558717	0.29159398	0.00067941	0.00887624	0.01163512	0.02832415	0.05812606
0.00776903	0.31023816	0.02140505	0.13537489	0.00050944	0.0879184	0.00521426	0.10506186	0.12465794
0.03310289	0.45870388	0.05817883	1.76938797	0	0.27073551	0.01568849	0.18574375	0.13206841

0.03385795	0.46875642	0.05948773	1.80744765	0	0.27679896	0.01604749	0.14001628	0.13502963
0.06191417	0.99012965	0.0127082	0.63247703	0.00063951	0.00993117	0.01773001	0.04806675	0.01680772
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0.04456912	0.760309	0.05098767	0.42775115	0.00096889	0.08299973	0.04687025	0.23704765	0.07587827
0.02586903	0.63019036	0.03596141	0.31103883	0.00094889	0.21416265	0.02510871	0.09832462	0.03729535
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0.08221962	0.20656757	0.06691895	0.14354234	0.00071924	0.00253248	0.08504849	0.04495848	0.30136818
0.01829493	0.26436247	0.03529254	0.47002775	0.00551556	0.08718779	0.01508599	0.16003787	0.09519554
0.01375047	0.2187474	0.07785975	0.29195522	0.00076931	0.16327894	0.00648421	0.10230462	0.22170317
0.02415083	0.41821903	0.07717959	0.36158523	0	0.27930358	0.01257743	0.09674624	0.2000002
0.07680065	0.30831386	0.07213482	0.41460079	0.00086894	0.047119	0.07290431	0.0737813	0.06371029
0.03203922	0.31034095	0.03875833	0.18605281	0.0008396	0.00453045	0.02351007	0.05231337	0.22776302
0.02603109	0.31303053	0.03991531	0.12116706	0.0005995	0.08781174	0.01855111	0.19626946	0.05291836
0.03198634	0.50236773	0.00724268	0.3773928	0.0003797	0.00298066	0.00800214	0.02889703	0.01007795
0.09243399	0.28495496	0.03819506	0.16641635	0.00076918	0.0035597	0.10950241	0.03096699	0.05677559
0.07673809	0.29748794	0.03479305	0.21905377	0.00082951	0.05211827	0.03450026	0.1897464	0.0674803
0.01468441	0.36158311	0.20846784	0.1345733	0.00082906	0.00475051	0.00739273	0.06081706	0.45996109
0.02943886	0.31333647	0.0706889	0.34621946	0	0.14516671	0.01563367	0.1164837	0.16444935
0.02739468	0.36601276	0.05339707	0.62829653	0.00070952	0.21154977	0.015264	0.17056635	0.11756464
0.01818315	0.25513182	0.0787105	0.23262169	0.00186847	0.25676316	0.0086186	0.1138004	0.21899973
0.0164881	0.49439164	0.19612465	0.14431854	0.00082923	0.00560694	0.00828566	0.07859924	0.57073659
0.03846115	0.54454094	0.01954763	0.4922939	0.00164814	0.06910912	0.01623833	0.07693174	0.02496089
0.02509554	0.37213382	0.06289866	0.24462941	0.00204819	0.24277199	0.02250125	0.16086922	0.14038571
0.02309661	0.28467658	0.08398746	0.31262492	0.00094913	0.23736145	0.01107479	0.17843923	0.21769253
0.04771519	0.18169051	0.05103581	0.15470479	0.00065939	0.06774159	0.03501603	0.09207748	0.27293095
0.01821212	0.26984481	0.03791927	1.28565879	0.00059966	0.16187617	0.00818948	0.12821245	0.08450999
0.02773936	0.33701296	0.02538342	0.14884005	0.00060937	0.13795003	0.01284129	0.19726841	0.15300323
0.10175374	0.16231136	0.05947857	0.0983171	0.00074935	0.06386112	0.05641317	0.20842743	0.18621707
0.02140944	0.34310249	0.04037789	0.81420204	0	0.19203359	0.01037711	0.13120337	0.0901808
0.01193226	0.65715003	0.04936876	0.42023579	0.00183828	0.16575602	0.00552698	0.22661315	0.12849999
0.01176441	0.66646941	0.02424138	0.34097416	0.00078927	0.2024814	0.00551712	0.31169388	0.04301332
0.03332965	0.44689609	0.06647036	0.3265048	0.00191814	0.33549989	0.03161378	0.13483976	0.17710061
0.12500784	0.10427285	0.04647438	0.08957898	0.00063946	0.00281367	0.08324724	0.04117883	0.09115761
0.05383359	0.39097905	0.04461699	0.24936537	0.00078931	0.03674445	0.01643601	0.09374962	0.10205231
0.03709168	0.73363163	0.05176065	0.46621531	0.00111869	0.21439191	0.03626117	0.16405251	0.07222177
0.04958866	0.34192052	0.02810017	0.19895548	0.0008194	0.06185069	0.03372042	0.25637697	0.05175994
0.03396432	0.17196365	0.17540184	0.08334049	0.0007292	0.10621602	0.0421231	0.09429496	0.2713459
0.02128337	0.31922404	0.0607005	0.59863917	0	0.16031569	0.01029189	0.18556052	0.15314446
0.01597908	0.19548139	0.04607865	0.44457826	0.00355661	0.08944323	0.01530495	0.20691116	0.11769215
0.02727586	0.21120645	0.07495518	0.2053531	0.00165853	0.21237955	0.01322797	0.15960124	0.18818029
0.02084837	0.55014621	0.04130777	0.40724257	0.00080904	0.14704756	0.01588599	0.06915361	0.05989088
0.01527483	0.68885528	0.07705447	0.39968351	0.00093898	0.16185226	0.01116601	0.08623496	0.11211836
0.00767433	0.19303299	0.006358	0.15875996	0.0001898	0.00857554	0.00255796	0.03518126	0.02056187
0.03780482	0.58086494	0.09614575	0.40661682	0.0009492	0.14548067	0.0351484	0.28260691	0.22807598

0.04038918	0.79901232	0.06697101	0.80197754	0.00110883	0.14068549	0.01515864	0.12933615	0.13170462
0.05525757	0.06523314	0.77091223	0.02980177	0	0.00317656	0.01181849	0.14500301	0.29069381
0.03138751	0.48979514	0.06120358	1.33214095	0	0.27839812	0.01398996	0.1397809	0.14271895
0.02182856	0.51543748	0.0137743	0.26961828	0.0008291	0.18528494	0.01300683	0.09757229	0.01790846
0.00894416	0.57247915	0.04903033	0.30992495	0.00179836	0.17860958	0.0044918	0.19877997	0.11979214
0.04161526	0.40085751	0.12774054	0.37821451	0.00287715	0.31904724	0.0177418	0.24192899	0.28682346
0.01721009	0.32395303	0.03728845	0.22458863	0.00058935	0.11142555	0.01148376	0.09286676	0.09192306
0.02743688	0.40413611	0.13301127	0.39633093	0.00089912	0.30357146	0.01329213	0.21684291	0.31923513
0.00714822	0.54628217	0.10915106	0.14995617	0.00075918	0.09544092	0.00345334	0.09700212	0.16137031
0.01094661	0.86399957	0.14438029	0.23163124	0.00117874	0.13806876	0.00526497	0.22720977	0.3889586
0.01170255	0.18727115	0.03620945	0.86061928	0.00067946	0.05904055	0.00880901	0.0945066	0.08732968
0.00684942	0.45508584	0.02920004	0.22303399	0.00062939	0.09844713	0.00313636	0.22678714	0.07535676
0.05159164	0.20638008	0.05408938	0.10419159	0.00059944	0.04406332	0.03660776	0.06790908	0.07982283
0.0201953	0.17475078	0.0723398	0.24997408	0.00074928	0.19119326	0.0140499	0.12107181	0.18019105
0.04968361	0.35591781	0.04106352	0.39627549	0.01120088	0.05990885	0.01666958	0.12829668	0.08947296
0.07143425	0.5092124	0.05978723	0.32050618	0.00106904	0.04852642	0.02174317	0.12528704	0.13713733
0.04205711	0.21622578	0.03688634	0.44936833	0.00950201	0.12688328	0.01676722	0.15858548	0.09559874
0.03943476	0.70640608	0.02217279	0.84247501	0.00213777	0.09452047	0.0179166	0.09271796	0.02908447
0.01415892	0.23260276	0.02052726	0.46416267	0.00373598	0.08578391	0.007713	0.11448543	0.04253795
0.04447797	0.22665823	0.06562899	0.45164744	0.0115908	0.07351378	0.01695011	0.18416208	0.16819183
0.0282725	0.2668934	0.07383487	0.31250585	0.07929886	0.13401014	0.01237059	0.17184381	0.15252134
0.11315441	0.36546631	0.0403102	0.18726145	0.00089906	0.1662929	0.13933791	0.09775732	0.05299791
0.02288244	0.28731328	0.05672895	0.21515075	0.00186824	0.25112684	0.02052386	0.11341414	0.12061046
0.03213935	0.48750904	0.03649436	0.21893531	0.0008291	0.08154444	0.02736692	0.1346365	0.02794506
0.02360146	0.63205737	0.07789806	0.41032419	0.00094894	0.15691628	0.00870668	0.07845447	0.11364986
0.03695713	0.23232361	0.04948006	0.10411941	0.00060949	0.10394032	0.02844505	0.2356178	0.07618385
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0.05023354	0.6314243	0.07538798	0.55093574	0.00095898	0.06690828	0.0413633	0.12999971	0.13587013
0.01538758	0.41548484	0.00908799	0.43943278	0.00107886	0.08464314	0.00716614	0.04658213	0.01476505
0.03177516	0.72029644	0.01720612	0.8536444	0.00182834	0.0719233	0.01187192	0.1203611	0.02304735
0.01842244	0.59991337	0.03528966	0.33499818	0.00074916	0.18033395	0.01932379	0.1820612	0.06019804
0.01348589	0.29523326	0.01354846	0.22603713	0.00054952	0.01398286	0.00458219	0.02226182	0.02775722
0.02019928	0.37375656	0.01112953	0.43554689	0.00106894	0.04557898	0.00855236	0.05060144	0.01458753
0.01170043	0.47823951	0.0146275	0.32956197	0.00072912	0.16353523	0.00674368	0.06178791	0.0125721
0.0318072	0.40240107	0.08662833	0.3645402	0.00259804	0.3934404	0.02332168	0.18652276	0.16801108
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0.03948451	0.35823343	0.11321327	0.31104466	0.01770278	0.31922732	0.01694657	0.21486261	0.25579137
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0.02346417	0.36603056	0.11657707	0.37635615	0.01822192	0.22530258	0.01010533	0.24102079	0.28397121
0.01848337	0.28137262	0.02350591	0.11157751	0.00052947	0.12830499	0.0080439	0.10476622	0.11133102
0.03325535	0.30718335	0.00869324	0.17362682	0.00051949	0.11512203	0.01526326	0.13983122	0.01250455
0.06360332	0.12215697	0.06605891	0.1406032	0.00063954	0.00275835	0.05564375	0.05938212	0.15834758
0.0224095	0.35553081	0.10195014	0.37490073	0.00708339	0.20667213	0.01009806	0.2218825	0.25896705

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0.048065	0.34343917	0.03985427	0.38103233	0.01082114	0.05800357	0.01612121	0.12442799	0.08691286
0.01250845	0.69675506	0.13294961	0.18979556	0.000929	0.03816354	0.00521511	0.19084642	0.31516872
0.03958281	0.4295092	0.11576266	0.2752409	0.00090926	0.12759457	0.03615989	0.32224261	0.26623847
0.02386311	0.45504609	0.0483517	0.34227228	0.00069931	0.09277817	0.0218546	0.25160404	0.12191562
0.02909475	0.27476426	0.07599846	0.3217669	0.08164677	0.13793665	0.01273912	0.17688592	0.15699562
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0.04282294	0.74124977	0.05181873	0.42976543	0.00093893	0.04817525	0.04501091	0.28212957	0.08138378
0.04667447	0.80143574	0.02609183	0.33606728	0.00142876	0.02386946	0.01421528	0.05378657	0.0638455
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0.03819381	0.59694578	0.09199236	0.41380245	0.00093924	0.14921693	0.03557169	0.26695521	0.21527063
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0.28785479	0.07635088	0.07671809	0.05457148	0.00050966	0.00055486	0.22901557	0.00232957	0.01621963
0.00954794	0.60990353	0.03727502	0.29193524	0.00079935	0.17505282	0.00480257	0.24157898	0.07014779
0.14156592	0.07827427	0.03721729	0.09143703	0.00047964	0.00103415	0.14804333	0.01581084	0.03867734
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0.01548649	0.41826688	0.00914715	0.44233435	0.00108885	0.08518967	0.0072159	0.04688938	0.01486569
0.00985481	0.61308252	0.03853768	0.30730714	0.0007593	0.17856529	0.0045614	0.24160013	0.08929674
0.01715829	0.69543011	0.04106633	0.27315669	0.00114885	0.22279568	0.00690913	0.42139147	0.16056787
0.02589197	0.50741053	0.05195301	0.38686248	0.0008192	0.11888219	0.01798146	0.29144595	0.11881758
0.02503965	0.32521934	0.13284987	0.25724145	0.00179823	0.47185307	0.01709501	0.15817775	0.30272054
0.03773946	0.25586048	0.03745765	0.1107939	0.00064936	0.11220914	0.02809732	0.13837388	0.21787705
0.08779074	0.23117943	0.04756234	0.14209495	0.00071945	0.06235653	0.05447407	0.13002198	0.19997271
0.01127103	0.72978425	0.04230249	0.28680747	0.00087905	0.12780151	0.00610057	0.40997116	0.117784
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0.0698068	0.13407978	0.07252754	0.10263183	0.0006995	0.00302106	0.06107654	0.04456309	0.17379837
0.01863638	0.11047195	0.47461401	0.0463524	0.00052945	0.06585662	0.00342422	0.06340956	0.28967922
0.03086702	0.45659619	0.02553596	0.37051472	0.01015087	0.0199728	0.01103578	0.05381273	0.05663969
0.0109349	0.40826251	0.01421911	0.39147804	0.00052943	0.09394223	0.00561292	0.04869671	0.01320678
0.0328079	0.44228933	0.06541598	0.28071547	0.00097903	0.22610688	0.03009759	0.13356669	0.17460727
0.03474189	0.4463522	0.10199015	0.51498089	0.00095917	0.38779077	0.01584873	0.16930901	0.26692867
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0.03025296	0.54633113	0.0521	0.4451434	0.00092905	0.23671541	0.02763399	0.28928875	0.12314527
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0.0412377	0.30711565	0.05487179	0.21096486	0.00081921	0.17653538	0.03091641	0.17190285	0.11490705
0.02760922	0.60442438	0.07205256	0.49821342	0.00197796	0.13316836	0.0227853	0.29723687	0.19592686
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0.01052376	0.4607062	0.15596686	0.17288903	0.00075921	0.01125245	0.00528538	0.09191486	0.41266943
0.02722894	0.4009726	0.13202389	0.39365032	0.00089912	0.30131172	0.01319254	0.21522348	0.31684153
0.04153154	0.43469128	0.09054774	0.39391398	0	0.3210234	0.02085134	0.10891253	0.21494643
0.30612831	0.05564598	0.12771148	0.02403421	0.0005296	0.00058289	0.24264895	0.00268858	0.20637571
0.00974897	0.70296818	0.13237554	0.18571832	0.00093899	0.03767923	0.00424959	0.12629753	0.37000028
0.01113729	0.30376949	0.08330744	0.38478849	0.00296715	0.02530989	0.00558614	0.20154263	0.20984214
0.07596991	0.6549379	0.03084782	0.60972108	0.00194796	0.05931119	0.0320107	0.14725471	0.04429145
0.02669763	0.33929522	0.10380862	0.33669367	0.0017884	0.35996282	0.02057788	0.19801041	0.25828652
0.02390637	0.37020812	0.07253152	0.33339893	0.00078927	0.31481537	0.01155235	0.08997973	0.18806828
0.03373981	0.35615436	0.0928635	0.20858473	0.00078916	0.21315144	0.02606613	0.15108207	0.21743751
0.01490363	0.67209285	0.07106959	0.45777671	0.00107879	0.08167292	0.00750257	0.46522167	0.13120112
0.00916668	0.50966998	0.10788373	0.12239596	0.00071923	0.02534599	0.0042498	0.17561065	0.32271949
0.03493741	0.53753389	0.04583758	0.45768597	0.00277742	0.38442913	0.03328225	0.21565372	0.08309917

0.00920862	0.35233653	0.08218114	0.14421742	0.00065925	0.0168185	0.00461646	0.18647323	0.25477463
0.05034027	0.46806628	0.19952344	0.41340155	0.00120886	0.30473774	0.0313387	0.37593152	0.44672281
0.03008269	0.33977125	0.04598164	0.51061257	0	0.11651786	0.01128663	0.12044944	0.12618285
0.02650273	0.39903155	0.05868068	0.51133902	0.00079929	0.21216372	0.01285935	0.12685314	0.16840533
0.02434617	0.27091345	0.0678457	0.27192543	0.00216803	0.38351531	0.02231951	0.14431685	0.1417843
0.033099	0.60340326	0.02899017	0.30674745	0.00081915	0.1438077	0.03169419	0.29877607	0.08050467
0.04505525	0.38169537	0.11885824	0.24218033	0.00286744	0.02547387	0.01271938	0.24936215	0.24331145
0.00700098	0.20323329	0.01730676	0.4277629	0.0024374	0.09839915	0.00351328	0.09971479	0.02960194
0.00883239	0.53412646	0.04133868	0.36028971	0.00176834	0.25313101	0.00444141	0.15550285	0.10396362
0.04275511	0.59662487	0.06522143	0.33204216	0.00084905	0.03986078	0.02784139	0.32384798	0.15560468
0.01186985	0.57024676	0.06210922	0.29724755	0.00099888	0.04366116	0.00497523	0.37190905	0.14480131
0.03719487	0.32860596	0.10101324	0.22762853	0.0016682	0.16715854	0.02911965	0.15032692	0.23555626
0.2412172	0.05552708	0.1283642	0.02307739	0.00048957	0.0010953	0.15356452	0.02020879	0.17906462
0.1869425	0.06336411	0.17222073	0.02228155	0.00048966	0.00106983	0.12825634	0.01861865	0.29511477
0.01109495	0.2812527	0.14200519	0.04503015	0	0.00319679	0.00418013	0.08939309	0.61646136
0.07751778	1.24652713	0.03792133	0.20225873	0.00089924	0.00597432	0.02382018	0.07931492	0.08896806
0.01139639	0.46422546	0.04203698	0.23217734	0.00114891	0.29794223	0.00458073	0.21349328	0.11228431
0.01677218	0.19755238	0.08878875	0.21448934	0.01236827	0.03460086	0.00727926	0.14268126	0.18909907
0.17338232	0.08475189	0.03757578	0.13680101	0.00057949	0.0031738	0.11108244	0.03068481	0.06235522
0.03469179	0.7731763	0.03116788	0.36789269	0.00087907	0.16322386	0.0358309	0.30718726	0.04941771
0.02255596	0.26835354	0.04466512	0.21420251	0	0.08522251	0.01260715	0.07091014	0.1103409
0.02356137	0.10925458	0.70586368	0.04750067	0.00054943	0.00307275	0.00623115	0.05192681	0.34519836
0.00839682	0.19851208	0.01235058	0.37336443	0.00208827	0.06439356	0.00481229	0.08757347	0.03957893
0.01406122	0.31166771	0.13124739	0.09997425	0.00088899	0.00408536	0.00530317	0.15515864	0.85451823
0.06395851	0.49465023	0.14162416	0.40473323	0.00239758	0.42419183	0.04410176	0.18514471	0.31552314
0.03133256	0.43439685	0.05111886	0.31823513	0.00191816	0.34497746	0.02960344	0.1282748	0.13506747
0.0090242	0.38588228	0.10419623	0.12500836	0.00082908	0.00951144	0.00495551	0.17616263	0.48211071
0.05170518	0.52253594	0.17713009	0.62243938	0.00669356	0.22586161	0.03200292	0.3519826	0.40818421
0.12685125	0.05328862	0.13723335	0.01843738	0	0.00106635	0.02863474	0.03183234	0.2802389
0.01225995	0.51523608	0.09291399	0.22194895	0.00088904	0.02534241	0.00528454	0.31046203	0.31539339
0.03967526	0.42440357	0.14204903	0.44410388	0.0021678	0.09547643	0.02480797	0.26590886	0.33118851
0.01686708	0.19944888	0.06961597	0.24535215	0.09747163	0.06259124	0.00714443	0.11577572	0.13633651
0.04785333	0.08792075	0.19332271	0.05754682	0.00057935	0.07886542	0.04005006	0.05106162	0.26980919
0.02647892	0.51132044	0.05397391	0.38288291	0.00077924	0.10333504	0.02427513	0.28758823	0.13638337
0.02860615	0.49696892	0.02845939	0.46431225	0.00227748	0.07882258	0.01344385	0.04959161	0.06127051
0.02581271	0.30242261	0.1295167	0.25093458	0.00173823	0.29632599	0.01645543	0.15275472	0.30277997
0.0116458	0.6502461	0.04727926	0.4287552	0.00179833	0.22960371	0.00539766	0.22743328	0.12441242
0.02388644	0.3340874	0.13519764	0.36083547	0.05127853	0.20578452	0.01082105	0.20672294	0.30636625
0.01148931	0.19002935	0.19610613	0.07901677	0.0006892	0.00235378	0.00473556	0.06837474	0.51408179
0.03065696	0.57743881	0.06495561	0.22548173	0.00068946	0.02905957	0.01546607	0.9392656	0.16787975
0.02325224	0.27604369	0.05673984	0.21768007	0.00184828	0.26822722	0.0209235	0.11731854	0.12240032
0.0310255	0.38046822	0.04853213	0.31263132	0.00066934	0.03909717	0.0099262	0.15420316	0.10026318
0.04081748	0.3866066	0.10533053	0.36459347	0.00120884	0.84856903	0.0265667	0.190127	0.25612969
0.02690433	0.15661734	0.14082589	0.04200956	0.00059936	0.07847836	0.03120052	0.05451984	0.35213789

0.00443558	0.32387393	0.02035586	0.2144298	0.00089915	0.06562678	0.00178247	0.22263309	0.14969278
0.05049198	0.09463807	1.05369533	0.04278114	0.00057932	0.00330675	0.01006723	0.03672019	0.32210774
0.02434276	0.36240526	0.11580576	0.37484651	0.00088914	0.25674205	0.01220768	0.11221923	0.28554894
0.04651822	0.16128048	0.06168208	0.13482905	0.00067933	0.07239807	0.0378944	0.21317575	0.28166819
0.05146642	0.34393094	0.03739588	0.28724879	0	0.09860615	0.020824	0.08444917	0.09085185
0.07270264	0.60312335	0.16110024	0.51816956	0.00203809	3.01510967	0.04468392	0.27022799	0.39998212
0.02552933	0.59028214	0.04211275	0.47520163	0.00228779	0.05864893	0.00982766	0.20795477	0.09895136
0.09091857	0.15138765	0.18892562	0.09016776	0.00078917	0.11906159	0.08061179	0.06824483	0.40576363
0.32055655	0.08503422	0.08543928	0.06078458	0.00056962	0.00062015	0.25504875	0.00183547	0.0206231
0.04654951	0.36072658	0.13926919	0.33948162	0.0018681	0.08981462	0.0281125	0.23655419	0.32584417
0.02012404	0.41621648	0.05540357	0.36425694	0.00096897	0.23005102	0.01060976	0.26274917	0.12486546
0.21504855	0.04755444	0.03295241	0.04900662	0.00052959	0.00058444	0.2455551	0.00193218	0.01148399
0.2150317	0.01036422	0.03147816	0.00397425	0.00033983	0.00036237	0.1171821	0.00049951	0.00583276
0.03677072	0.64062785	0.07096645	0.45953128	0.00225785	0.51028059	0.01680876	0.15351183	0.16156386
0.00469301	0.34276675	0.02154049	0.22694308	0.0009491	0.06944413	0.001892	0.23561549	0.15841304
0.02941735	0.27070412	0.03094114	0.30501144	0.00075928	0.44202916	0.00871342	0.10845906	0.06891464
0.02968552	0.41871179	0.06217796	0.57968722	0.00083924	0.22556158	0.01347549	0.14328813	0.18112976
0.00621489	0.20561856	0.05526521	0.14610756	0.00497581	0.0034909	0.00311832	0.10662488	0.08580872
0.03725317	0.7131493	0.04863549	0.51278352	0.00235768	0.40611506	0.01754314	0.17518213	0.09570165
0.5613163	0.12339474	0.04976651	0.14292667	0.00132913	0.00144561	0.68185575	0.01323055	0.08257877
0.00730906	0.50026485	0.0291731	0.23689339	0.00066938	0.10996919	0.00334629	0.24474128	0.08439169
0.01196349	0.38695963	0.10729938	0.28262995	0.00344655	0.07124081	0.00515699	0.23067753	0.37089556
0.03217492	0.32397142	0.1250438	0.40382007	0.70475643	0.2274458	0.01393422	0.21340692	0.26325796
0.15339155	0.12998553	0.03125932	0.1360342	0.00054955	0.00117572	0.12445478	0.02906983	0.06207006
0.01651376	0.29666144	0.04535126	0.2338992	0.00060931	0.0857507	0.01167153	0.06908621	0.10948668
0.0261563	0.20250881	0.07187242	0.19684986	0.0015886	0.20363	0.01269008	0.09220243	0.18042865
0.02406146	0.31426021	0.05809508	0.21989506	0.00191827	0.29747428	0.02101574	0.11910205	0.12019763
0.05299482	0.63143031	0.06676521	0.47022361	0.00100889	0.0962101	0.02717698	0.41847489	0.17107017
0.04512789	0.43760175	0.13058706	0.37450218	0.04664475	0.26387595	0.0164788	0.22671725	0.28346011
0.03271038	0.43166679	0.01704674	0.55355787	0.00156823	0.07737245	0.01467631	0.06400132	0.02215142
0.33268898	0.11202551	0.01241368	0.12731968	0.00122923	0.00133279	0.76590742	0.00366531	0.00885389
0.1078882	0.08432947	0.27931699	0.0407531	0.00056937	0.00386146	0.02059923	0.16968405	0.30612225
0.01635633	0.31645023	0.08073062	0.21592529	0.00071919	0.06362288	0.01145283	0.13221197	0.22228061
0.04869097	0.41245075	0.12844118	0.26169998	0.00309723	0.0275212	0.0137453	0.26946384	0.26291795
0.02349314	0.29202597	0.05172007	0.36510386	0.00060949	0.24304927	0.01114854	0.17234235	0.12551734
0.02300106	0.26099336	0.09616828	0.33411275	0.04575058	0.08280447	0.00958324	0.156148	0.20689332
0.00322549	0.36650107	0.01608212	0.14927378	0.00081893	0.06239499	0.00163053	0.19680227	0.15257466
0.21299284	0.06877538	0.14930914	0.02721908	0.00055955	0.00123981	0.15007217	0.03300735	0.20907121
0.0114401	0.3992316	0.02154732	0.230178	0.00128872	0.31402867	0.00511737	0.15404369	0.05815054
0.00817792	0.80619087	0.04117894	0.41318244	0.00091902	0.23075764	0.00365266	0.26449638	0.12057995
0.01236524	0.73173438	0.03170216	0.40322636	0.00088908	0.17263151	0.00533547	0.33833893	0.04942964
0.01847678	0.35654448	0.0648344	0.21144238	0.00088898	0.02564999	0.00885491	0.25528862	0.75944189
0.00999937	0.36119345	0.0322081	0.13889586	0.00077918	0.13556814	0.00464831	0.24822867	0.1393459
0.43747582	0.01447124	0.08383856	0.00751619	0.00042961	0.00048192	0.15013242	0.00201642	0.04247846

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0.04263176	0.06037935	0.02377377	0.02696377	0.00029966	0.03551724	0.007761	0.09441492	0.19708885
0.1445579	0.16296527	0.06846417	0.0854935	0.00061939	0.00141237	0.17820388	0.03165823	0.21215984
0.02158467	0.29499744	0.0969302	0.27115562	0.00402584	0.23610144	0.01769861	0.16469991	0.23855494
0.00692263	0.14544309	0.05839324	0.14550597	0.01320961	0.01402719	0.00286995	0.09308992	0.11919006
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0.00533034	0.60202304	0.05466341	0.21670871	0.00059926	0.0488892	0.00237691	0.33834143	0.15680492
0.04864243	0.42096321	0.15515181	0.39231917	0.00122879	0.6323145	0.03058535	0.27428889	0.38310945
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0.0107132	0.43658345	0.03953924	0.21835412	0.00107898	0.28019314	0.00431186	0.200782	0.10559593
0.02253649	0.3135252	0.06130603	0.17160441	0.00050946	0.04058948	0.0126898	0.14311116	0.17917787
0.03202883	0.44133498	0.11645496	0.36005676	0.00189803	3.13797547	0.0170611	0.30440183	0.27797161
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0.01926	0.16805961	0.05026178	0.154497	0.00092895	1.38758826	0.0110842	0.16008636	0.12333519
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0.01516486	0.46000096	0.14576752	0.13440298	0.00108881	0.01004311	0.00653816	0.28136878	1.04839923
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0.02823424	0.49654382	0.05636582	0.21992007	0.00108936	0.7587898	0.02287976	0.18287771	0.11842684
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0.02014185	0.34201919	0.02529947	0.52277304	0.00074909	0.07425125	0.0060374	0.17340743	0.10878905
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0.0184933	0.38391115	0.07631248	0.26895267	0.10684409	0.06861232	0.00782201	0.12690826	0.14945062
0.02932223	0.40279938	0.12307397	0.27540543	0.00122894	2.19101461	0.01596843	0.14526506	0.27766144
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0.02973484	0.53399036	0.07158662	0.44325291	0.00088911	0.10441552	0.0263223	0.25123662	0.19614549
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0.35885407	0.12683187	0.05443149	0.13943061	0.00105933	0.00114902	0.53441759	0.0148972	0.09648117
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0.01434457	0.29283755	0.03063421	0.24931094	0.0006892	0.43325292	0.00688451	0.14841204	0.08358634
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0.01308994	0.29854203	0.02540248	0.19218308	0.00138849	0.24235622	0.00485652	0.20128902	0.09258955
0.01192416	0.27475525	0.01957096	0.17644423	0.00070924	0.14691387	0.00423963	0.12519487	0.07712463
0.01290871	0.34915519	0.02654342	0.30143039	0.00162831	0.58090074	0.00649004	0.14778402	0.06566307
0.52106727	0.00304578	0.03702004	0.0016013	0	0.00035032	0.42562926	0.00238761	0.05749949
0.00306453	0.01757288	0.01064034	0.00184478	0	0.00032073	0.001025	0.01460804	0.17527479
0.17636719	0.02762616	0.03087419	0.04338155	0.00045955	0.00052016	0.16691812	0.0061932	0.06014957
0.02180546	0.00408044	0.07661624	-0.00281452	0	0	0.01239608	0.00729735	-0.1251067
0.21377905	0.02342212	0.07083052	0.00785478	0	0.0011836	0.07471131	0.00615854	0.06953378
-0.01199936	-0.0006343	-0.00790609	0.00069632	0	0	0.00101889	-0.00125512	0.09046703
0.00612674	0.48649392	0.0088823	0.40088196	0.00112872	0.22122437	0.00224867	0.12749836	0.01363354
1.37750508	0.00040725	0.04810149	0.00042945	0	0.00046492	0.17353822	0.00039689	0.06003381
0.00716938	0	0.00983241	0	0	0	0.00189081	0.00037961	0.02015556
0.00845973	0.19380891	0.1173855	0.05699643	0.00050937	0.00645799	0.00350078	0.19476729	0.81526209
0.13170789	0.01069366	0.03064256	0.00686877	0.00029973	0.00033592	0.21737763	0.00354711	0.07049605
0.01562921	0.11426731	0.02078023	0.0058457	0	0.12829948	0.00829621	0.07684547	0.10843248
1.19743401	0.00040707	0.03912425	0.00042958	0	0.00046553	0.11604856	0.00038713	0.04718403
0.27403022	0.00037149	0.00326364	0.0003863	0	0.00040996	0.03394044	0.00036458	0.00257932
0.00989202	0.27269717	0.01334365	0.18654307	0.00058934	0.38880426	0.00352229	0.16744854	0.02016804
0.02846856	0.00028097	0.0109029	0.00010519	0	0	0.28562156	0.00036298	0.02056491
0.01980469	0.74268992	0.04095291	0.4783257	0.00073924	0.27817289	0.01106924	0.16475975	0.07984899
0.01073055	0.28700444	0.01782124	0.01120627	0	0.25920432	0.00480556	0.28042188	0.06744683
0.00821775	0.11305013	0.01878661	0.00402611	0	0.12156703	0.00437927	0.05709817	0.10574196
0.00803815	0.18446656	0.01414053	0.00442995	0	0.16960298	0.00285624	0.09436819	0.06548978
0.01044263	0.24248452	0.07321555	0.23574607	0.0130085	0.01061586	0.00447239	0.15055533	0.13143614
0.00795252	0.24547917	0.01074914	0.19166891	0.00114867	0.42130324	0.0028652	0.15034406	0.01505585
0.05758324	0.00439646	0.03936427	0.00029867	0	5.1481E-05	0.01263742	0.00451098	0.1320463
0.01369649	0.08250136	0.01725925	0.00293449	0	0.09201554	0.00648933	0.07026646	0.06764556
0.0062181	0.09517333	0.0132809	0.00323601	0	0.10135181	0.00312476	0.04446567	0.08501447
0.0127616	0.20061067	0.03481512	0.32364466	0.00067925	0.3637791	0.00541346	0.11941873	0.13684363
0.00434888	0.029834	0.01976874	0.00476357	0	0.00071158	0.00118413	0.0198012	0.20000946
0.00333206	-0.00010593	0.00258056	0	0	0	0.0015552	-0.00030568	0.08376311
0.00410927	0.00821769	0.01784852	0.000482	0	8.4845E-05	0.00104194	0.00669518	0.12587668
0.02628949	0.00021068	0.0304311	0.00017468	0	0.00012332	0.27781055	0.00023945	0.02704463
0.00304493	0.01747101	0.01058199	0.00183422	0	0.00032054	0.00102502	0.01453038	0.17424245

0.00770061	0.63508347	0.01661987	0.61264542	0.00064929	0.26078694	0.00258734	0.17465334	0.0522583
0.00336533	0.05690513	0.04496961	0.00444811	0	0.00050834	0.00313637	0.04468575	0.5681169
0.01984614	0.01075803	0.02201775	0.00063193	0	7.5291E-05	0.00300567	0.00814491	0.13369651
0.01821969	0.18179158	0.02682768	0.00473381	0	0.15963081	0.00791331	0.11198264	0.09141761
0.0202141	0.24629227	0.04219304	0.17872173	0.02794303	0.00345232	0.01168975	0.06573708	0.05587751
0.09140168	0.00034579	0.02460698	3.9745E-05	0	-0.00044915	0.04576046	0.00097717	0.05286463
0.00827106	0.07652868	0.03748856	0.00972817	0	0.00187499	0.0030347	0.05049742	0.35634915
0.38389628	0.00017373	0.00437404	0	0	0	0.02324975	0.00017675	0.00598867
0.04493941	0	0.00207161	0	0	0	0.0039005	0.00036649	0.00690319
-0.01036575	0	-0.01149573	0	0	0	-0.00678267	0	0.02959767
0.46887772	0.00042278	0.12076528	0.00041794	0	0.00041021	0.13409423	0.00126499	0.26705542
0.00123384	-0.00044211	0.00109702	0.00033279	0	0	0.00040634	-0.00076013	0.0634553
0.0127722	0.00394591	0.00671322	0.000298	0	6.528E-05	0.00137842	0.00302132	0.0509849
0.4139575	0	0.00815036	0	0	0	0.03211343	0.00022142	0.00929464
0.02502587	0.00020061	0.00730008	0	0	0	0.00484122	0.00061318	0.01820548
0.00174215	0.00080924	0.00232907	0.00012326	0	0.00013548	0.00035845	0.00078426	0.03089214
0.0674201	0	0.00329612	0	0	0	0.00867646	0.00066192	0.01440513
0.00162059	0.01066397	0.00676493	0.00203237	0	0.00031064	0.00048754	0.00826614	0.09028054
0.00633682	0.02480378	0.01982321	0.00504964	0	0.00077871	0.00167186	0.01736804	0.23333729

VT	VA	WV	WI	BIOG	OTHER	ICBC	SOA	total sulfat
0	0.00821947	0.5708912	0.23227012	0	0.87464	1.23943	0	11.20599
0.003732544	0.08473094	0.20902346	0.04564247	0	0.35794	0.37238	0	4.384828
0.013233268	0.07945152	0.2874978	0.0917078	0	0.36208	0.74644	0	6.085226
0.001516531	0.06553413	0.3027032	0.15222056	0	0.24974	0.67294	0	5.262327
0.004502024	0.10225616	0.25166236	0.07850751	0	0.43122	0.44908	0	5.392506
0.014155853	0.08506058	0.30897176	0.09699978	0	0.38567	0.79767	0	6.532307
0.00454946	0.02763915	0.09236486	0.2180202	0	0.64129	0.62261	0	5.831301
0.001648932	0.06725035	0.5154387	0.15877294	0	0.32864	0.71227	0	5.805766
0.004603616	0.10212679	0.22218011	0.02564655	0	0.4105	0.47771	0	4.516076
0.001924684	0.19759445	0.4506644	0.01234726	0	0.29677	0.27947	0	7.081788
0.000751231	0.0205124	0.0785587	0.23168288	0	0.5518	0.56389	0	5.447745
0.001816335	0.07880873	0.2000123	0.03752397	0	0.41505	0.39926	0	3.773921
0.001340973	0.05530928	0.24852683	0.14192118	0	0.31638	0.63717	0	4.514521
0.003111941	0.02063908	0.08560334	1.2282907	0	0.56936	0.95839	0	5.331143
0.000472769	0.16617076	0.14640666	0.02111135	0	0.2282	0.58414	0	4.071189
0.009366307	0.0888165	0.29376578	0.10191287	0	0.51858	0.89796	0	10.63504
0.009884403	0.09370847	0.3099716	0.10756141	0	0.54726	0.94742	0	11.22276
0.00960995	0.09109411	0.30133629	0.10458519	0	0.53205	0.92101	0	10.91068
0.001860917	0.08512502	0.40267689	0.17470356	0	0.41926	0.90735	0	6.647186
0.00409892	0.09310649	0.22944548	0.07170471	0	0.3931	0.40909	0	4.829112
0.002782648	0.01846514	0.0765868	1.09939041	0	0.50943	0.85747	0	4.768536
0.000785179	0.1214306	0.17255554	0.03477504	0	0.27345	0.64933	0	6.271002
0.001644303	0.17066187	0.39851019	0.02192545	0	0.27714	0.20765	0	6.067825
0.006785462	0.06384784	0.22624236	0.07351013	0	0.19848	0.79872	0	6.131584
0.000781994	0.02140381	0.08199907	0.24183191	0	0.57597	0.58859	0	5.721055
0.002786569	0.08380923	0.15772627	0.02794536	0	0.26912	0.37126	0	3.486787
0.001411444	0.06009904	0.29543791	0.1397726	0	0.18542	0.56309	0	4.873748
0.004597364	0.03850866	0.16371382	0.18688715	0	0.56932	0.62923	0	6.096917
0.003433391	0.09648137	0.22396816	0.034463	0	0.36747	0.43125	0	4.551633
0.004825815	0.0252098	0.08839824	0.19604842	0	0.57378	0.54864	0	5.341601
0.002715023	0.04452052	0.09262847	0.33274971	0	0.38253	0.79485	0	7.078269
0.003479975	0.03661086	0.07250319	0.22736099	0	0.49724	0.86217	0	6.587364
0.01238767	0.07440648	0.26937354	0.08528929	0	0.33812	0.69847	0	5.676546
0.014029288	0.08426127	0.30504539	0.09658993	0	0.38293	0.791	0	6.470214
0.001876699	0.07660304	0.58819396	0.18103705	0	0.37461	0.8114	0	6.624719
0.003061054	0.04863935	0.10849366	0.06372663	0	0.17965	0.41321	0	3.099733
0.004522035	0.06033031	0.19944327	0.10647743	0	0.23996	1.07218	0	7.40784
0.000971248	0.0101559	0.40115701	0.08368041	0	0.31241	0.57797	0	3.78546
0.00523311	0.05884609	0.14809607	0.10475341	0	0.17362	0.62647	0	4.447407
0	0.00070936	0.05089853	0.01853587	0	0.06032	0.11534	0	0.826034
0.010559612	0.10009566	0.33111949	0.11492888	0	0.58466	1.01202	0	11.98939
0.005657336	0.04624063	0.19937289	0.16684143	0	0.64227	0.61628	0	6.49476
0.004211828	0.11244711	0.23589466	0.02671252	0	0.33621	0.47149	0	4.53616

0.003443633	0.05012932	0.08251896	0.36073214	0	0.42423	0.86353	0	6.409211
0.002254893	0.01569104	0.05116339	0.6668979	0	0.46332	0.77901	0	4.396751
0.008987452	0.08519686	0.28182874	0.0978172	0	0.49761	0.86137	0	10.20439
0.001176014	0.00838321	0.21550341	0.09981396	0	0.20398	0.48268	0	4.415346
1.98987E-06	0.12857354	0.65754375	0.20591379	0	0.45449	1.15263	0	8.803562
9.94685E-07	0.18441756	0.3064732	0.01889665	0	0.17793	0.74268	0	5.408696
0.001226121	0.01043273	0.07563886	1.55639405	0	0.43364	0.84828	0	5.422086
0.009907964	0.08430143	0.25378557	0.10433497	0	0.31571	1.1321	0	7.717225
0.006860944	0.06456218	0.22880285	0.07434182	0	0.20073	0.80775	0	6.053918
0.004293087	0.04116205	0.09619966	0.1781936	0	0.47462	0.49209	0	5.713416
0.002560705	0.01782665	0.13472061	0.75738685	0	0.52634	0.88502	0	5.070884
0.001832923	0.07472077	0.57279127	0.17642289	0	0.36515	0.79133	0	6.414505
0.015323093	0.09201547	0.33307279	0.10554784	0	0.41827	0.86384	0	7.037938
0.004047355	0.05399512	0.17901853	0.09563141	0	0.21496	0.9602	0	6.765322
0.000736332	0.01616228	0.05829326	0.31783528	0	0.44578	0.56359	0	5.556781
0.005315912	0.1641613	0.12757016	0.08750626	0	0.23904	0.92859	0	4.75617
0.000805939	0.11077711	0.1497783	0.03300492	0	0.2612	0.58584	0	6.101792
0.000701241	0.01626324	0.06836629	0.34933964	0	0.39062	0.64361	0	5.702863
0.002365014	0.20734109	0.30454149	0.3209744	0	0.39007	0.53577	0	7.246772
0.003506628	0.01897365	0.12125806	0.20647272	0	0.379	0.40071	0	5.820201
0.007054007	0.06631008	0.23718487	0.07817142	0	0.20702	0.83217	0	6.264883
0.00090416	0.17904633	0.21893766	0.10398731	0	0.56507	0.66344	0	7.952748
0.000552901	0.01073423	0.04297576	0.24537538	0	0.35121	0.6068	0	4.585544
0.007490178	0.07237324	0.2311493	0.08849543	0	0.23325	0.91109	0	6.458587
0.004526266	0.019972	0.08710412	0.03867975	0	0.06751	0.29395	0	2.499819
0.006023163	0.03564038	0.17966275	0.14997539	0	0.196	0.69303	0	5.068595
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.003524539	0.07476106	0.16182187	0.01641246	0	0.09945	0.28941	0	3.012855
0.004843128	0.04067753	0.13768685	0.03776733	0	0.07764	0.29091	0	2.470296
0.000906141	0.12609135	0.26509219	0.11783347	0	0.2574	0.42655	0	5.113695
0.002061204	0.12604745	0.1826707	0.34179146	0	0.47273	0.57006	0	6.08335
9.93374E-07	0.20689627	0.21489592	0.05615698	0	0.18027	0.45089	0	6.021524
0.004766442	0.02486974	0.08782394	0.19654556	0	0.5677	0.54282	0	5.320393
0.000912114	0.17974922	0.22082345	0.10491043	0	0.57009	0.66926	0	7.955081
0.004364921	0.11402162	0.23758929	0.02031511	0	0.34203	0.49887	0	4.743039
0.004186271	0.09506028	0.23398628	0.05100592	0	0.40107	0.41755	0	4.911633
0.00048957	0.11576709	0.12277027	0.05349049	0	0.27228	0.76919	0	4.148781
0.005900587	0.11492558	0.15900223	0.14248465	0	0.56692	0.73411	0	6.458521
0.003794221	0.10904273	0.18756306	0.06045227	0	0.20993	0.4982	0	3.885754
0.001249529	0.05708192	0.26922613	0.11699682	0	0.28097	0.6084	0	4.396863
0.004548944	0.06068774	0.20130355	0.10755106	0	0.24163	1.07923	0	7.410817
0.007317771	0.05885867	0.22958817	0.02146572	0	0.15302	0.58878	0	5.125186
0.005910648	0.0483419	0.10612258	0.17292425	0	0.67056	0.6437	0	6.550436
0.001194455	0.01831137	0.07078695	0.54453551	0	0.44255	0.74633	0	4.812358

0.001753736	0.07677991	0.54157068	0.19292031	0	0.34188	0.82783	0	6.155718
0.010890475	0.10065803	0.1998349	0.05205922	0	0.54029	0.93554	0	8.197875
0.001037169	0.10293719	0.1265309	0.030074	0	0.29801	0.59076	0	4.889462
0.002973557	0.01889717	0.07121192	0.65192996	0	0.58618	0.69016	0	4.966141
9.95623E-07	0.00102023	0.07059942	0.02872643	0	0.10819	0.15335	0	1.390227
0.005918943	0.01267113	0.06515168	0.21281142	0	0.20314	0.66767	0	5.281263
0.012468762	0.07336087	0.20721254	0.02662744	0	0.23201	0.575	0	5.076426
0.006847988	0.06529351	0.20418281	0.07962573	0	0.21725	0.84268	0	6.080077
0.002907052	0.01928159	0.08011171	1.15286237	0	0.53318	0.89721	0	5.012465
0.001357632	0.18136965	0.22692352	0.04926581	0	0.41045	0.95751	0	7.102122
0.00328936	0.03614252	0.06978753	0.19436294	0	0.50315	0.56709	0	4.921795
0.000905153	0.17818706	0.2185625	0.10382937	0	0.56421	0.66241	0	7.873
0.000794895	0.02170708	0.08314047	0.24519865	0	0.58399	0.59679	0	5.867509
0.002601415	0.05977734	0.09301802	0.11583225	0	0.34329	0.51594	0	4.745945
0.00330167	0.12837966	0.19923946	0.20771093	0	0.61119	0.72788	0	6.938537
0.01148057	0.10008539	0.2658375	0.0926227	0	0.5869	1.03497	0	9.515268
0.000998272	0.0075808	0.20457183	0.11731277	0	0.16564	0.39561	0	3.527432
0.00071886	0.11275797	0.17004298	0.03537703	0	0.28422	0.65699	0	5.758144
0.010040007	0.08542811	0.25710528	0.10563465	0	0.31986	1.14699	0	8.04966
0.00719707	0.0693907	0.22596905	0.08840895	0	0.22527	0.87888	0	6.397431
0.006393402	0.03285661	0.15755965	0.18758175	0	0.1927	0.66573	0	4.644782
0.001471027	0.08505343	0.30939441	0.1823327	0	0.37053	0.80473	0	5.130215
0.003026786	0.11769349	0.18272276	0.19039001	0	0.56021	0.66723	0	6.294353
0.001028621	0.00757884	0.48683365	0.08860697	0	0.25303	0.51806	0	3.677738
0.000733353	0.01610666	0.05807287	0.31674941	0	0.44429	0.56171	0	5.547267
0.001538219	0.1014958	0.15262342	0.178955	0	0.22806	0.31774	0	4.080699
0.004135583	0.08955117	0.1912199	0.03785456	0	0.32099	0.41772	0	3.659757
0.008232544	0.24521786	0.89630012	0.14419297	0	0.36567	0.36291	0	5.971
0.001707618	0.06965626	0.53431728	0.16452443	0	0.34049	0.73773	0	5.983527
0.000636781	0.08144055	0.12901608	0.16914327	0	0.25392	0.32033	0	3.923607
0.00253158	0.18660006	0.27040949	0.0724152	0	0.20113	0.46844	0	6.378144
0.00151391	0.09110512	0.26551063	0.13772198	0	0.34235	0.84993	0	5.002012
0.00489635	0.10426578	0.23802224	0.01868493	0	0.13537	0.39425	0	4.079558
0.003608726	0.10368358	0.17879161	0.03839063	0	0.1998	0.47374	0	3.887369
0.000679778	0.01855445	0.07104186	0.20953883	0	0.49912	0.51006	0	5.013226
0.009345237	0.06512407	0.16623529	0.10408033	0	0.23004	0.93151	0	6.565012
0.00091546	0.16117328	0.17162019	0.03623668	0	0.3021	0.63645	0	7.128872
0.000782186	0.01978131	0.05219368	0.31029965	0	0.45171	0.65884	0	5.731231
0.001876517	0.1031336	0.17141435	0.02484572	0	0.31517	0.94336	0	5.148207
0.002807182	0.06042767	0.15525287	0.01443204	0	0.07906	0.22992	0	2.587058
0.002668089	0.03326378	0.06605534	0.22606452	0	0.35362	0.6068	0	5.147772
0.007110579	0.06686237	0.23893814	0.07865919	0	0.20869	0.83896	0	6.310084
0.000496396	0.11121542	0.11735453	0.04626302	0	0.23038	0.73784	0	3.703942
1.98884E-06	0.16873598	0.3276482	0.04107168	0	0.18065	0.39426	0	4.872476

0.004670892	0.10841734	0.23665771	0.11766565	0	0.16051	0.44453	0	4.605019
0.001655341	0.08972699	0.42355014	0.11384265	0	0.47912	1.17844	0	6.012786
0.003873597	0.06394521	0.13243894	0.05216535	0	0.2128	0.53963	0	4.007314
0.000763907	0.14953896	0.18385817	0.0873415	0	0.47462	0.55712	0	6.627305
0.004671247	0.02534943	0.1155774	0.26525954	0	0.50206	0.53341	0	7.549026
0.001102177	0.01690729	0.06592347	0.26343092	0	0.4372	0.57601	0	4.37919
0.000934322	0.16064187	0.17481005	0.0370773	0	0.30748	0.65205	0	7.323262
0.002996928	0.08626571	1.65401027	0.11496195	0	0.22195	0.63698	0	6.480652
0.000538763	0.0073612	0.05135546	0.4071095	0	0.3404	0.66652	0	4.495568
0.000649267	0.10174224	0.15343308	0.03188253	0	0.25617	0.59187	0	5.168721
0.002740878	0.03458715	0.0745004	0.21446128	0	0.51298	0.58592	0	5.382749
0.000912108	0.02392089	0.07893173	0.34827004	0	0.61526	0.70655	0	6.289967
0.000851216	0.02150736	0.0805381	0.32349665	0	0.57843	0.67354	0	6.238278
0.002798651	0.08394369	0.07357351	0.13217846	0	0.24863	0.58723	0	4.426194
0.000263746	0.00408572	0.0226363	0.00692904	0	0.36631	0.44654	0	2.319739
0.000770148	0.20574849	0.16716283	0.06052628	0	0.18473	0.36644	0	4.398004
0.002418609	0.04909016	0.06761248	0.16316566	0	0.3321	0.4642	0	4.434959
0.00063181	0.08610872	0.12682984	0.16212841	0	0.24758	0.3536	0	4.171448
0.002815023	0.21180301	0.31202194	0.03233484	0	0.24689	0.52879	0	6.487627
0.00185064	0.08429964	0.52088755	0.206948	0	0.28264	0.90211	0	6.763413
0.00225904	0.18367882	0.47750373	0.15518122	0	0.25272	0.49976	0	6.563064
0.00216552	0.02728048	0.11609438	0.12470254	0	0.39441	0.45165	0	4.309871
0.001929497	0.02805006	1.63219894	0.13013293	0	0.25907	0.67185	0	6.123582
0.000529246	0.00784349	0.03269644	0.2261039	0	0.34405	0.65756	0	4.577085
0.003839103	0.0949221	0.21805684	0.16926223	0	0.15158	0.38408	0	3.980333
0.000792229	0.07998455	0.13391553	0.01477282	0	0.36857	0.34568	0	4.363461
0.01157844	0.19231744	0.82832779	0.11704479	0	0.30824	0.43159	0	5.92875
0.003062465	0.11580708	0.27412502	0.08418743	0	0.13355	0.34502	0	3.837811
0.00081395	0.18223688	0.2556897	0.06295474	0	0.29599	0.83551	0	6.044016
0.003015401	0.08547871	0.16835155	0.0319794	0	0.31685	0.39468	0	3.867147
0.000785191	0.01919513	0.07794603	0.30733535	0	0.51787	0.60259	0	5.831876
0.001889293	0.15970607	0.36729989	0.11904284	0	0.21318	0.41803	0	5.484688
0.002719877	0.04961991	0.08406653	0.09923824	0	0.16782	0.50749	0	3.655489
0.004199067	0.02274981	0.10392136	0.24315479	0	0.45269	0.4797	0	6.850767
0.00097717	0.17049524	0.2447995	0.04750117	0	0.35848	0.90809	0	7.186922
0.011790645	0.07031494	0.24020509	0.10721329	0	0.18701	0.56029	0	4.500805
0.002125628	0.03486413	0.07256425	0.32074061	0	0.29968	0.62272	0	5.589314
0.000679809	0.17998403	0.30159104	0.04480387	0	0.19379	0.41041	0	4.656133
0.006863579	0.15412331	0.20676321	0.06880156	0	0.48182	0.74936	0	4.925161
0.001553098	0.05343313	0.17638496	0.20163384	0	0.20329	0.83352	0	5.235889
0	0.17776046	0.20157299	0.04004016	0	0.25189	0.81141	0	6.474339
0.00188922	0.04366976	0.0548642	0.08145906	0	0.31784	0.48833	0	4.317387
0.00422043	0.03624475	0.08154884	0.19978232	0	0.5781	0.66036	0	5.592163
0.000541545	0.04884368	0.09410186	0.0781582	0	0.23413	0.322	0	3.446222

0.00121724	0.03775761	0.07581947	0.36187623	0	0.49771	0.45034	0	4.578969
0.002210596	0.19893753	0.25566199	0.2982952	0	0.35432	0.49983	0	6.885014
0.008636964	0.08421876	0.15531702	0.22036782	0	0.37814	1.2487	0	7.23453
0.001253726	0.12447887	0.15245299	0.03631054	0	0.35985	0.71347	0	5.903325
0.001194804	0.03627863	0.07715347	0.3396835	0	0.54062	0.52414	0	4.624639
0.000698664	0.09870339	0.20511098	0.08894358	0	0.20845	0.63757	0	5.160548
0.00069876	0.02102437	1.04760218	0.09778083	0	0.15518	0.53376	0	4.031384
0.001853129	0.48497413	0.50975302	0.11035095	0	0.5127	1.38289	0	7.227911
0.000529371	0.01040332	0.07715425	0.15114305	0	0.26054	0.42098	0	4.513841
0.00060901	0.07813419	0.12381286	0.16227521	0	0.24363	0.30734	0	3.808446
0.00615242	0.04952126	0.19779189	0.01846862	0	0.1289	0.49477	0	4.304736
0.001381845	0.05166482	0.09089519	0.08485542	0	0.66421	0.62923	0	5.016693
0.000774819	0.17839195	0.1536268	0.08762112	0	0.37401	0.46125	0	6.546963
0.003866439	0.09075797	0.19105381	0.02803127	0	0.13364	0.3618	0	3.750318
0.000766433	0.13279277	0.19183794	0.03718936	0	0.28049	0.71081	0	5.644888
0.001107084	0.01094481	0.08014347	1.07860941	0	0.39582	0.74554	0	4.749736
0.008556071	0.05920984	0.40902579	0.13816695	0	0.4934	0.75942	0	6.165066
0.000744449	0.02088626	0.06211796	0.28285856	0	0.58316	0.62145	0	5.443679
0.001715019	0.09407707	0.15630505	0.02266507	0	0.2875	0.86051	0	4.695841
0.001610404	0.11844441	0.28519628	0.11481478	0	0.22901	0.9811	0	4.978193
0.000571445	0.08451632	0.21840042	0.0430212	0	0.13261	0.68264	0	3.979861
0.0007689	0.01877635	0.06962709	0.31131633	0	0.50662	0.58044	0	5.695704
0.000792139	0.01937026	0.07863795	0.31005053	0	0.52247	0.60794	0	5.88338
0.001321257	0.00941312	0.24141593	0.11202015	0	0.22887	0.54218	0	4.950347
0.001605388	0.16364413	0.32784261	0.02370678	0	0.28244	0.24368	0	5.684139
0.002784174	0.05783631	0.0683714	0.12875854	0	0.38565	0.49428	0	4.912102
0.002666484	0.0300285	0.1287286	0.48776102	0	0.4656	0.82792	0	5.211927
0.001734376	0.04155321	0.19981149	0.06360647	0	0.19262	0.4201	0	7.231401
0.002407026	0.18619718	0.25454247	0.05932586	0	0.19445	0.44698	0	6.070841
0.000779292	0.15561568	0.2217479	0.05256168	0	0.28297	0.9358	0	6.005939
0.009588972	0.07501881	0.21430417	0.08042136	0	0.22181	0.77694	0	5.408431
0.002476776	0.02988524	0.06333005	0.15377776	0	0.47429	0.54285	0	4.860299
0.00223574	0.02084483	0.04220882	0.19500855	0	0.34149	0.57428	0	4.413232
0.008050781	0.23973227	0.87602936	0.14095377	0	0.35751	0.35481	0	5.836826
0.008863626	0.09264581	0.13591676	0.05753622	0	0.50429	0.71825	0	5.99575
0.003677081	0.06940339	0.07888663	0.13790301	0	0.37004	0.47741	0	4.32096
0.003061909	0.29138389	0.25201562	0.02412044	0	0.21591	0.1388	0	5.115314
0.00633385	0.03875597	0.16996067	0.21368319	0	0.21142	0.76533	0	5.106734
0	0.25254534	0.26964248	0.11991474	0	0.1912	0.55765	0	6.392361
0.001739927	0.08275834	0.24380755	0.04889761	0	0.41886	0.85456	0	4.519667
0.003868533	0.35856347	0.50299434	0.06570046	0	0.25807	0.26294	0	6.728996
0.001396877	0.04927125	0.15941377	0.16853607	0	0.23168	0.75305	0	4.686934
0.002581407	0.07775347	0.12985398	0.01707647	0	0.24254	0.35554	0	3.247006
0	0.21722791	0.28925292	0.13341119	0	0.23471	0.40222	0	7.167512

9.95539E-07	0.22056081	0.29552733	0.13642603	0	0.2398	0.41136	0	7.194839
0.001276688	0.05974221	0.31656255	0.12365042	0	0.2832	0.63613	0	4.56108
0.000653497	0.01515009	0.11153095	0.32537652	0	0.36383	0.59946	0	5.401215
0.001938199	0.15653822	0.3901566	0.10979001	0	0.29115	0.33253	0	5.422914
0.000939673	0.16422347	0.24224651	0.08508668	0	0.26382	0.43336	0	5.096638
0	0.00138932	0	0.00058937	0	0.14674	2.29677	0	2.454867
0.000714287	0.01633585	0.05998769	0.40016123	0	0.45079	0.63149	0	5.453896
0.00578991	0.23913864	0.23514019	0.08085826	0	0.61627	0.67689	0	5.091618
0.00076783	0.13135225	0.19843473	0.03156723	0	0.35164	1.00066	0	5.887386
9.92972E-07	0.1907835	0.2819455	0.17361968	0	0.30637	0.54481	0	6.530648
0.000858106	0.06190084	0.09020968	0.38367087	0	0.56595	0.60325	0	6.047411
0.004240769	0.02301997	0.10488908	0.23982065	0	0.45536	0.48404	0	6.842446
0.003564588	0.06083387	0.07373056	0.14877834	0	0.37587	0.41122	0	4.448011
0.000765488	0.00398537	0.21835233	0.06096784	0	0.13535	0.41877	0	2.727258
0.000760907	0.02005126	0.07471788	0.30348194	0	0.51125	0.58474	0	5.519366
0.002513938	0.04120806	0.13271403	0.30987541	0	0.35457	0.73686	0	6.675944
0.000819004	0.01652564	0.03672528	0.06651769	0	0.49361	0.44077	0	5.336592
0.001733427	0.18981163	0.35004385	0.13136971	0	0.52746	0.96537	0	6.865219
0.000785991	0.19047253	0.2062199	0.11363515	0	0.20764	0.39138	0	5.879559
0.001450056	0.1864194	0.23091107	0.05012812	0	0.41851	0.97465	0	7.054203
0.000825208	0.01849107	0.0555907	0.03255564	0	0.52251	0.46351	0	6.121242
0.009900626	0.08800801	0.30631938	0.10088747	0	0.33491	0.55216	0	4.866222
0.003400291	0.15778308	0.23460662	0.04289003	0	0.18618	0.27105	0	4.828771
0	0.20819117	0.25409327	0.06976029	0	0.2125	0.56374	0	7.11996
0.000654443	0.04219387	0.09184112	0.28355509	0	0.4328	0.57661	0	5.012806
0.000797619	0.1598495	0.15164785	0.05211434	0	0.13828	0.30796	0	4.945298
0.002441095	0.0742386	0.10578698	0.08865093	0	0.30815	0.47129	0	4.194264
0.002904101	0.02613213	0.052132	0.31168741	0	0.44986	0.75521	0	5.633374
9.94665E-07	0.15600541	0.2295964	0.1053897	0	0.17757	0.3458	0	4.845397
0.00276053	0.30742231	0.49639573	0.01722941	0	0.28254	0.17329	0	6.089451
0.001572954	0.20084556	0.43367063	0.01781783	0	0.28114	0.13623	0	5.123506
0.00286509	0.30991963	0.33842333	0.03665957	0	0.24052	0.37233	0	6.711531
0.001257998	0.01461757	0.11037798	0.84007285	0	0.44207	0.78487	0	5.119511
0.001570646	0.38067242	0.41959328	0.09246282	0	0.43595	1.17902	0	5.900037
0.003377195	0.14644161	0.40084583	0.19359663	0	0.23903	0.48733	0	6.066171
0.00495475	0.05140766	0.109123	0.29667975	0	0.51563	0.70541	0	6.210634
0.00072695	0.0397121	0.06553276	0.09969553	0	0.37592	0.77531	0	5.172827
0.000692657	0.17410743	0.30017591	0.04558298	0	0.20285	0.4171	0	4.789141
0.008297278	0.2197887	0.25294068	0.08401562	0	0.53071	0.7606	0	5.699948
0.000762918	0.14194416	0.19565932	0.04144349	0	0.47866	1.06798	0	6.586165
0.004192425	0.11057476	0.31653051	0.19900285	0	0.17126	0.39768	0	4.35797
0.010021893	0.10469518	0.14091959	0.14511884	0	0.558	0.85674	0	6.317258
0.003201467	0.01937174	0.06201447	0.01050027	0	0.07015	0.14707	0	1.153895
0.002841985	0.26242523	0.454034	0.0859613	0	0.24502	0.42617	0	6.905378

0.01144076	0.079704	0.22870626	0.09838293	0	0.30329	0.97956	0	6.739032
0.00055213	0.00803679	0.02490367	0.05404175	0	0.49927	0.55108	0	4.112768
9.9518E-07	0.25109264	0.29347565	0.08858763	0	0.26959	0.44515	0	6.550998
0.006770285	0.13301745	0.12089189	0.08803529	0	0.50378	0.66928	0	5.182809
0.001791709	0.23007322	0.36099068	0.01501898	0	0.27429	0.31409	0	6.24643
0	0.19317708	0.27614202	0.07708849	0	0.33847	0.70872	0	6.207864
0.003040766	0.11676022	0.25228234	0.08169492	0	0.12979	0.33316	0	3.701037
0	0.20864945	0.31964755	0.08362635	0	0.28998	0.70182	0	6.530829
0.000752846	0.06790798	0.14375183	0.01545299	0	0.32899	0.33072	0	4.320561
0.001170573	0.12268832	0.23226675	0.02063467	0	0.52014	0.48893	0	6.618714
0.000672993	0.15453354	0.18586713	0.0721229	0	0.27844	1.00298	0	5.431721
0.001249796	0.13121788	0.26433323	0.01168325	0	0.22662	0.17626	0	4.052511
0.002433859	0.04312766	0.05398254	0.2630649	0	0.30917	0.601	0	4.415572
0.00109606	0.21406335	0.14541302	0.11260686	0	0.62406	0.5952	0	5.985227
0.004677299	0.7126975	0.27214744	0.11566326	0	0.43394	0.93325	0	6.311988
0.002102781	0.4806462	0.54544583	0.12249913	0	0.58392	1.58325	0	7.894928
0.005816132	0.64497704	0.18666947	0.09178281	0	0.5214	0.74783	0	5.945851
0.012810973	0.2038725	0.7045661	0.1319102	0	0.34793	0.50925	0	6.418707
0.011002572	0.24153095	0.28036794	0.08590049	0	0.24822	0.27362	0	3.766468
0.004603467	0.73738516	0.19558716	0.0985891	0	0.54919	0.83216	0	6.424242
0.00071119	0.1263471	0.18299493	0.05525943	0	0.22543	0.94051	0	6.035114
0.000895897	0.05670781	0.09758677	0.23068004	0	0.56672	0.6693	0	6.503248
0.003100959	0.20048517	0.19345445	0.03480472	0	0.16115	0.21674	0	4.336993
0.000789495	0.10604587	0.16631943	0.20961425	0	0.29821	0.3905	0	4.812803
0.009672454	0.10023704	0.13110138	0.05691303	0	0.50543	0.72129	0	5.757922
0.002453674	0.04517013	0.05705197	0.17651241	0	0.2816	0.48844	0	4.669052
9.94173E-07	0.19387814	0.27432094	0.11383116	0	0.22011	0.39692	0	5.184897
0.003867838	0.25796837	0.64066094	0.15773616	0	0.2216	0.31912	0	5.912474
0.005470205	0.06875257	0.29615097	0.04132433	0	0.10012	0.31377	0	3.116386
0.008192816	0.24404906	0.89204311	0.14350806	0	0.36393	0.36118	0	5.94265
0.001475552	0.12698984	0.326583	0.03389799	0	0.2322	0.23616	0	4.135298
0.003589385	0.03002026	0.10440755	0.02791038	0	0.05942	0.21947	0	1.818965
0.006931326	0.08760359	0.33901318	0.06399513	0	0.18264	0.25677	0	3.356596
0.003817153	0.09119147	0.20246843	0.09750569	0	0.13341	0.37172	0	3.74688
0.005170611	0.21339546	0.44933984	0.0638274	0	0.16117	0.66723	0	7.323177
0.00084733	0.01802846	0.04567735	0.02250947	0	0.56135	0.54515	0	5.712041
9.92714E-07	0.17853963	0.26055205	0.06876671	0	0.37445	1.17432	0	6.911558
0.002792983	0.03295166	0.13331793	0.23120544	0	0.59088	0.71995	0	5.671815
0.003076098	0.0949908	0.0875769	0.08628821	0	0.30868	0.62951	0	4.92287
0.000798025	0.19062596	0.25298625	0.05706536	0	0.27224	0.79686	0	6.13556
0.002621075	0.06171147	0.11368122	0.13692036	0	0.30581	0.45362	0	3.703117
0.00259776	0.04739373	0.08018547	0.09462556	0	0.1601	0.48434	0	3.486891
0.000637582	0.01480106	0.10895015	0.31784788	0	0.35541	0.58559	0	5.276139
0.000729867	0.18345444	0.26141977	0.05106567	0	0.24111	0.70525	0	5.633791

0	0.30940381	0.35949426	0.07474301	0	0.23921	0.66386	0	6.364298
0.002615384	0.06086194	0.11752446	0.15945031	0	0.81942	0.80312	0	6.573538
0.004537985	0.68444709	0.26226744	0.1120018	0	0.42088	0.90585	0	6.09377
0.000921549	0.08408606	0.19293366	0.02166566	0	0.42399	0.32018	0	5.186182
0.002703533	0.19949363	0.28910275	0.07741748	0	0.21503	0.50082	0	6.858447
0.002807244	0.26400817	0.40866804	0.06283554	0	0.17711	0.21057	0	4.561146
0.000730063	0.13007206	0.18839025	0.05688428	0	0.23207	0.9681	0	6.212967
0.001562999	0.20244835	0.36615607	0.02696009	0	0.27577	0.15825	0	5.297909
0.001856984	0.13907967	0.40366484	0.11132315	0	0.26876	0.28149	0	5.186518
0.00850755	0.06511811	0.50562355	0.12022426	0	0.18554	0.64868	0	4.858467
0.005010176	0.19533864	0.45533066	0.13874874	0	0.21195	0.53288	0	6.271833
0.002633777	0.03813169	0.07126676	0.33202346	0	0.28005	0.65466	0	5.256345
0.000460696	0.00678454	0.02952284	0.1589152	0	0.37669	0.46564	0	3.658793
0.000707391	0.17158299	0.18575564	0.10238795	0	0.18708	0.35266	0	5.228099
0	0	0	0	0	0.07408	1.21513	0	1.282024
0.033117547	0.05776816	0.167324	0.07736368	0	0.19054	0.58381	0	4.471782
0.003076808	0.22278049	0.30491516	0.10020454	0	0.23952	0.53996	0	7.65473
0.002800896	0.26279277	0.47338365	0.0783258	0	0.24521	0.42183	0	6.891614
0.000750812	0.06963631	0.15494509	0.01761223	0	0.34333	0.2577	0	4.166399
0.004020517	0.10460759	0.24454056	0.09825227	0	0.1935	0.49392	0	5.992773
0.000807598	0.28857941	0.2027298	0.10085344	0	0.34642	0.53619	0	6.605584
0.000505481	0.00282299	0.02648416	0.12447732	0	0.38503	0.68873	0	4.513446
0.001595197	0.17254426	0.37433151	0.01338611	0	0.27038	0.18294	0	5.744218
0.00047729	0.00485981	0.03836449	0.13602243	0	0.34803	0.61903	0	4.197838
0.001883837	0.23371298	0.59473598	0.02217363	0	0.30381	0.16865	0	5.59061
0.005504932	0.06920189	0.29813043	0.0415974	0	0.10077	0.31582	0	3.009311
0.001516529	0.19467084	0.38808161	0.01647451	0	0.27073	0.13923	0	5.08195
0.001145332	0.18197611	0.3074973	0.04854771	0	0.3828	0.4013	0	7.750011
0.003282715	0.2371572	0.45312395	0.10860548	0	0.19344	0.33265	0	5.294808
0.004481699	0.13407818	0.25188459	0.11737436	0	0.20332	0.63073	0	6.418358
0.002601759	0.05637983	0.05889589	0.10709329	0	0.33882	0.48967	0	4.476859
0.004165932	0.03574626	0.08087584	0.26517933	0	0.57182	0.65252	0	5.659145
0.000870881	0.13365793	0.29868602	0.0179375	0	0.37214	0.19529	0	4.939808
0.000657309	0.18332423	0.1870583	0.10595352	0	0.19059	0.37409	0	4.878799
0.000700246	0.01624434	0.06827769	0.34886436	0	0.3901	0.64276	0	5.667436
0.000526887	0.02385981	0.01314313	0.05127127	0	0.33788	0.52966	0	3.749306
0.003686984	0.12138592	0.38450299	0.08349025	0	0.56388	0.8896	0	5.344722
0.005121141	0.0574537	0.23223267	0.10615414	0	0.12566	0.33893	0	3.188726
0.002904358	0.21831719	0.32161564	0.03333096	0	0.25449	0.54505	0	6.687207
0.002350613	0.38251551	0.36047458	0.0893227	0	0.43668	0.69625	0	7.680059
0.004681186	0.21826089	0.22421002	0.1274181	0	0.33247	0.44463	0	5.808779
0.002542501	0.11567022	0.28035299	0.07192367	0	0.2268	0.50304	0	6.328956
0.001791184	0.02271517	0.08758719	0.64353031	0	0.4163	0.67617	0	4.852412
0.000546223	0.00755104	0.0316048	0.24009404	0	0.35552	0.71525	0	4.702218

0.00088815	0.01444787	0.09904518	0.02866593	0	0.32165	0.74912	0	6.525669
0.000781714	0.13738506	0.29610319	0.01839352	0	0.33168	0.14137	0	4.557837
0.001507776	0.12210571	0.49639249	0.09159475	0	0.42655	1.08444	0	5.399331
0.003669654	0.39248629	0.54742296	0.08879214	0	0.20402	0.37132	0	5.843105
0.000544303	0.02942777	0.02259259	0.0558417	0	0.31503	0.66141	0	4.139378
0.001652986	0.17786332	0.3509092	0.01466615	0	0.28531	0.19965	0	5.779923
0.003095169	0.08006517	0.15592431	0.0791056	0	0.35983	0.48734	0	4.250344
0.000562128	0.01445727	0.0323304	0.02100279	0	0.36081	0.37729	0	3.752237
0.005390179	0.05101203	0.16817841	0.0532815	0	0.15315	0.62114	0	4.62824
0.000663674	0.02242861	0.0488446	0.22450348	0	0.48347	0.5491	0	4.651493
0.002496727	0.05800696	0.10372199	0.23386526	0	0.82227	0.75122	0	6.149048
0.004942526	0.44436583	0.58532012	0.11645155	0	0.22741	0.30542	0	6.260573
0.000784977	0.01452156	0.03863141	0.03162886	0	0.5031	0.4576	0	5.723685
0.007168623	0.14143861	0.26821811	0.09192022	0	0.26326	0.3443	0	4.020273
0.003791211	0.05843338	0.069828	0.13278845	0	0.33952	0.433	0	3.991516
0.002505091	0.05176885	0.05645925	0.22920054	0	0.28254	0.55685	0	4.682576
0.002928618	0.06890034	0.12598787	0.09753845	0	0.33162	0.48964	0	4.038573
0.00158455	0.06561506	0.29454857	0.05699989	0	0.304	1.17685	0	5.343362
0.002299241	0.13807347	0.14553779	0.06331553	0	0.10549	0.35955	0	2.85258
0.000718423	0.10005052	0.16630896	0.10073261	0	0.24804	0.84496	0	5.488631
0.000850677	0.1905061	0.26726265	0.06580651	0	0.30941	0.87335	0	6.283055
0.000399303	0.10823305	0.14812217	0.03033204	0	0.15364	0.63938	0	3.04466
0.002389362	0.22514846	0.33881758	0.02467413	0	0.34398	0.51717	0	8.191868
0.000788523	0.09268559	0.17383204	0.02049744	0	0.34595	0.26819	0	4.357813
0.002929989	0.03497705	0.05825911	0.21089747	0	0.4689	0.5123	0	4.387927
0.001632339	0.07318904	0.44553666	0.15567583	0	0.29281	0.84816	0	5.827229
0.002465576	0.11074386	0.24771091	0.08665613	0	0.21342	0.46407	0	5.923735
0	0.16379052	0.30780841	0.03164999	0	0.20473	0.81139	0	4.663258
0.00064222	0.0292945	0.02969672	0.06897848	0	0.51639	0.67882	0	5.090921
0.000566002	0.08688274	0.15526786	0.03022375	0	0.1912	0.12079	0	4.035592
0.002974069	0.10622497	0.20047569	0.11972666	0	0.163	0.49269	0	4.954067
0.000754049	0.02856722	0.07105949	0.03851122	0	0.44061	0.39268	0	5.005933
9.92677E-07	0.20736311	0.31712558	0.08300053	0	0.28789	0.69655	0	6.506304
0.000956115	0.19053657	0.30806306	0.19189678	0	0.42449	0.78842	0	6.509102
0.000530996	0.0029617	0.00783102	0.04701763	0	0.5314	0.78895	0	4.754179
0.000935389	0.08271993	0.18651881	0.01835869	0	0.41984	0.36009	0	5.258243
0.012568095	0.0509694	0.16750862	0.06750007	0	0.30236	0.54648	0	4.397119
0.010713351	0.10745543	0.28151851	0.17023839	0	0.74009	0.72634	0	6.324064
0.00624381	0.22820459	0.21593854	0.08088437	0	0.23794	0.48767	0	6.617363
0	0.19149122	0.26078061	0.1287692	0	0.30468	0.49584	0	5.744409
0.003149643	0.09668211	0.21230562	0.12690865	0	0.17273	0.5222	0	5.383163
0.001067972	0.11285453	0.69826166	0.03775106	0	0.39219	0.45444	0	7.085376
0.000711272	0.05373552	0.12343291	0.0174474	0	0.35521	0.29632	0	4.276894
0.003687157	0.38764065	0.45724459	0.05810118	0	0.22186	0.3463	0	6.589137

0.000659304	0.03144163	0.19607193	0.03976193	0	0.29557	0.30908	0	4.109627
0.002404937	0.25936877	0.19267159	0.25093661	0	0.4789	0.68857	0	8.707683
9.92052E-07	0.12198744	0.25101637	0.06375479	0	0.20934	0.66909	0	4.50216
0.000919865	0.22174393	0.32922771	0.0658397	0	0.30211	0.58172	0	6.302317
0.004308422	0.28034157	0.22058777	0.04598565	0	0.18004	0.26464	0	5.202281
0.001620372	0.17237748	0.36206575	0.02229072	0	0.30604	0.27339	0	5.094319
0.070318128	0.04296024	0.17941921	0.1042631	0	0.52886	0.82568	0	5.336758
0.008972639	0.27742348	0.26184209	0.05092693	0	0.18862	0.2522	0	3.233076
0.002654184	0.29782136	0.38680836	0.01569239	0	0.23858	0.24587	0	6.040225
0.000841898	0.08044199	0.16380202	0.02477615	0	0.41868	0.27649	0	4.935896
0.000994611	0.07113143	0.14503654	0.06136136	0	0.39302	0.52941	0	6.123871
0.004152094	0.11091591	0.19666433	0.1386323	0	0.17703	0.58949	0	5.699752
0.000487744	0.00318828	0.01441332	0.04688471	0	0.43708	0.89985	0	4.268507
0.000490453	0.00276912	0.0080302	0.03806705	0	0.40743	0.67421	0	4.403103
0.000693416	0.00961785	0.02577432	0.08188581	0	0.35514	0.45616	0	4.785467
0.001770695	0.01001602	0.37998461	0.18979101	0	0.33338	0.97571	0	6.131034
0.001140871	0.18733262	0.21516686	0.03488104	0	0.31306	0.32111	0	8.246376
0.016092912	0.05845913	0.11952576	0.0335291	0	0.17095	0.78575	0	4.44766
0.000575164	0.01366506	0.10603789	0.46654945	0	0.39601	0.7668	0	4.681187
0.000864091	0.16658698	0.4027229	0.02553248	0	0.3013	0.29283	0	5.066152
0.001234238	0.18257559	0.20295428	0.08860786	0	0.45288	0.61245	0	4.561155
0.000540759	0.00844837	0.01524983	0.03181648	0	0.35653	0.57325	0	3.990421
0.008538795	0.0846128	0.1391027	0.02535314	0	0.29156	0.32372	0	2.947879
0.00087946	0.01293546	0.08065376	0.09313467	0	0.40148	0.52329	0	5.732408
0.007132691	0.19880877	0.40945692	0.25350797	0	0.28895	0.69317	0	8.549509
0.002856318	0.31005663	0.32727918	0.03280616	0	0.24746	0.42873	0	6.739734
0.00082509	0.02119803	0.13199752	0.0734178	0	0.38319	0.47542	0	5.599503
0.007977132	0.3231144	0.19224937	0.27483861	0	0.51161	0.68169	0	9.565529
0.000485268	0.00458965	0.00571165	0.06677523	0	0.4556	0.72024	0	4.199401
0.000878827	0.0502413	0.10918625	0.02763331	0	0.41994	0.56757	0	5.72486
0.005378853	0.27514225	0.39560373	0.20735469	0	0.36226	0.5087	0	7.103288
0.002213589	0.06382641	0.12592976	0.0370991	0	0.1731	0.74394	0	5.536856
0.00054737	0.03147952	0.01492253	0.04130346	0	0.40058	0.72155	0	4.117314
0.003120171	0.29363135	0.45991619	0.06984642	0	0.19699	0.23405	0	5.120004
0.007566913	0.24096912	0.45544807	0.12455273	0	0.19739	0.31189	0	4.439961
0.004316863	0.13023913	0.24782954	0.12137125	0	0.17828	0.59574	0	5.98447
0.002694117	0.30952907	0.51241747	0.0168113	0	0.26763	0.17183	0	6.00064
0.000744464	0.16680643	0.24410533	0.06350874	0	0.25315	0.78834	0	6.23039
0.000668156	0.00804368	0.01909551	0.08052759	0	0.37289	0.56641	0	4.61145
0.00281936	0.05478698	0.30734055	0.10917407	0	0.15341	0.27451	0	4.900569
0.00306653	0.17994478	0.19413414	0.03686057	0	0.15878	0.21624	0	4.324948
0.001329066	0.25198949	0.17964673	0.09133365	0	0.3397	0.75369	0	4.52061
0.001205294	0.17613628	0.18606734	0.23348711	0	0.45193	0.73834	0	8.880353
0.00057037	0.03409956	0.02356719	0.03433216	0	0.38895	0.61099	0	4.218586

0.000891619	0.06796847	0.33523061	0.00963823	0	0.22503	0.59081	0	8.194995
0.000570928	0.00884678	0.00994512	0.02617943	0	0.40814	0.64049	0	4.193857
0	0.19954328	0.30128273	0.07275177	0	0.25556	0.632	0	6.348713
0.001346037	0.04019605	0.07660561	0.08851335	0	0.49588	0.55281	0	4.999248
0.001495541	0.24408942	0.26210516	0.12056017	0	0.55383	0.77395	0	5.645882
0.002024721	0.15290659	0.29351078	0.34501889	0	0.59555	0.95451	0	14.62059
0.008342124	0.23787057	0.39839534	0.14041467	0	0.24182	0.37155	0	5.060269
0.000745078	0.04703796	0.0228883	0.07595561	0	0.59016	1.03337	0	5.825493
0.000566178	0.00314504	0.02949769	0.13859534	0	0.42879	0.76698	0	5.058408
0.004676074	0.22573069	0.32019997	0.19830599	0	0.28029	0.4893	0	6.218564
0.000961288	0.15437829	0.16884785	0.05952186	0	0.28979	0.1919	0	6.349417
0.00052892	0.00244002	0.01845898	0.19161518	0	0.4472	0.89954	0	4.704515
0.000341728	0.0009702	0.00194621	0.0218999	0	0.2261	0.34443	0	3.273391
0.002211129	0.62453015	0.30647457	0.18639838	0	0.53398	0.53369	0	7.823533
0.000941263	0.07192529	0.35479047	0.01020518	0	0.23815	0.62528	0	8.715622
0.001566859	0.43880021	0.22859175	0.07649161	0	0.50218	0.93811	0	6.103043
0.000965387	0.2366118	0.3548102	0.06994072	0	0.31855	0.62339	0	6.545156
0.009258308	0.01226975	0.16440295	0.03332207	0	0.1389	0.74548	0	3.300111
0.002312837	0.65412442	0.40667859	0.19742703	0	0.58764	0.68164	0	7.940681
0.001321493	0.00649335	0.0422235	0.34992067	0	1.09835	2.29878	0	12.48098
0.000665384	0.13563518	0.28466992	0.01313712	0	0.24638	0.20476	0	4.500836
0.004284622	0.18662796	0.22309451	0.01686001	0	0.18386	0.46624	0	5.822637
0.001564397	0.16177504	0.21370312	0.07305925	0	0.34709	0.72523	0	6.857006
0.00054264	0.00632728	0.06019763	0.12606666	0	0.44453	0.70608	0	4.590852
0.003073907	0.10476872	0.24462277	0.11534288	0	0.13663	0.37695	0	3.797917
0.000733117	0.13606341	0.18760317	0.03973995	0	0.45893	1.02398	0	6.180633
0.003174447	0.21246022	0.20141523	0.03566219	0	0.16557	0.22822	0	4.545421
0.001004668	0.12647765	0.25404964	0.0295599	0	0.37427	0.48453	0	6.567199
0.000837868	0.16032883	0.25147367	0.07495577	0	0.36581	0.89258	0	6.30681
0.009402003	0.14734017	0.43993703	0.114518	0	0.21983	0.3951	0	4.540242
0.001227192	0.00480671	0.03655596	0.26756161	0	0.76971	1.80926	0	11.49628
0.000561347	0.00926334	0.01262762	0.04299312	0	0.4866	0.5257	0	3.990442
0.002858819	0.1586299	0.18371503	0.10585313	0	0.16086	0.54777	0	4.622509
0.075981956	0.0464249	0.19387517	0.11267108	0	0.57146	0.89223	0	5.76684
0.000689658	0.18639781	0.20849763	0.07940585	0	0.17987	0.44971	0	4.748621
0.002372592	0.08757374	0.32619891	0.04720582	0	0.22213	0.7113	0	5.527559
0.00081002	0.04988117	0.22918502	0.00634775	0	0.16359	0.4918	0	8.645236
0.000558611	0.00311662	0.01742481	0.0455438	0	0.44818	0.84536	0	4.903129
0.00127644	0.18099564	0.22881055	0.04264241	0	0.289	0.54975	0	10.31233
0.001826308	0.17637678	0.43914605	0.01520594	0	0.3146	0.27464	0	5.130253
0.001772199	0.20329395	0.49540429	0.0182914	0	0.30453	0.14735	0	5.298201
0.000882386	0.04697254	0.09341007	0.03293333	0	0.38641	0.55567	0	5.937725
0.000770906	0.0991092	0.15184104	0.0303377	0	0.2637	0.37571	0	5.597068
0.000428066	0.00190173	0.00413275	0.04487201	0	0.46781	0.78742	0	3.911987

0.002912013	0.23630454	0.37317829	0.01285865	0	0.16271	0.37331	0	4.444581
0.000294492	0.01162416	0.02240043	0.03094033	0	0.21522	0.29914	0	2.040723
0.000612482	0.00809682	0.0351488	0.16061892	0	0.51439	0.62721	0	5.008785
0.004809532	0.21026301	0.17191304	0.08909538	0	0.17747	0.55418	0	5.663643
0.00464746	0.03600562	0.08922142	0.02201177	0	0.12547	1.0081	0	3.677654
0.000521225	0.00342651	0.0084626	0.04588139	0	0.40823	0.96881	0	4.409026
0.0011196	0.20570396	0.3662404	0.03084541	0	0.43999	0.40727	0	7.363607
0.000594452	0.05358177	0.30703896	0.01570646	0	0.35206	0.87339	0	5.213544
0.001219903	0.18686672	0.19174801	0.26279542	0	0.49254	0.77522	0	8.651558
0.000822551	0.56849947	0.17429303	0.2092868	0	0.28405	0.97842	0	6.228496
0.002125104	0.16662761	0.25984231	0.0219517	0	0.30078	0.44314	0	7.548936
0.001073352	0.17617921	0.20235725	0.03279874	0	0.29442	0.30199	0	7.740464
0.002656649	0.07292085	0.17434512	0.10894938	0	0.13255	0.2949	0	3.325029
0.001890192	0.17126935	0.23295327	0.22296572	0	0.4991	0.6896	0	13.3531
0.000922705	0.3444064	0.26764272	0.17391809	0	0.26112	0.94216	0	6.484582
0.00713739	0.2605524	0.45074651	0.21418003	0	0.25342	0.63557	0	8.274403
0.000828834	0.23871192	0.24314814	0.11026485	0	0.19157	0.45851	0	4.953555
0.00487882	0.14686066	0.2589882	0.11683611	0	0.18022	0.51861	0	5.52623
0.002603654	0.26198186	0.2183362	0.036732	0	0.25015	0.27201	0	5.971617
0.000618022	0.03481002	0.02002747	0.06332676	0	0.35125	0.74652	0	4.537818
0.002853457	0.04815296	0.11790474	0.03249213	0	0.1899	1.23389	0	4.68809
0.000715202	0.12620907	0.18283667	0.13143773	0	0.31754	0.80706	0	5.436888
0.000921142	0.10717599	0.07541697	0.06773667	0	0.23628	0.32477	0	6.44356
0.005233233	0.09609851	0.30723881	0.08299814	0	0.1238	0.28654	0	3.064848
0.006040163	0.0275553	0.09878546	0.02925717	0	0.19684	1.05222	0	4.805281
0.001085048	0.02301786	0.12948652	0.06298522	0	0.54029	0.66635	0	7.643797
0.002446353	0.10325275	0.16820922	0.09840232	0	0.1245	0.49244	0	4.13001
0.003212881	0.1002915	0.20454659	0.05066073	0	0.25218	0.47957	0	7.652079
0.000473688	0.00219079	0.00612409	0.04634644	0	0.41911	0.67976	0	4.341728
0.005544725	0.22502107	0.43389711	0.10345676	0	0.16425	0.28586	0	4.155747
0.001087158	0.05414276	0.10706014	0.0495546	0	0.2961	0.50915	0	8.821962
0.002664546	0.10238863	0.18932115	0.09959148	0	0.15045	0.26606	0	3.868538
0.001428921	0.10149454	0.2164581	0.03204289	0	0.26536	0.78935	0	4.437225
0.000895608	0.08820619	0.18490942	0.033421	0	0.34456	0.39262	0	5.659044
0.002425306	0.06996668	0.26743905	0.04065992	0	0.18975	0.81549	0	6.459987
0.002450005	0.07945218	0.22733251	0.17752899	0	0.34894	0.62514	0	9.401377
0.000556704	0.00305612	0.01441295	0.15922742	0	0.40548	0.75684	0	4.870039
0.003530262	0.34505532	0.52305607	0.08767315	0	0.21372	0.2817	0	5.541497
0.000460011	0.00348302	0.01378312	0.03872499	0	0.37984	0.59527	0	4.21665
0.001058963	0.00627749	0.04059065	0.62219698	0	0.73303	1.96892	0	9.81706
0.005487458	0.15749685	0.27903262	0.19107712	0	0.22526	0.54211	0	6.128365
0.002151542	0.18851822	0.15152069	0.04509964	0	0.18701	0.32781	0	5.171384
0.003421835	0.16026406	0.23977655	0.11975348	0	0.18836	0.66558	0	5.730259
0.000862267	0.04962382	0.10438676	0.03293648	0	0.3713	0.47193	0	5.414717

0.000494455	0.00187227	0.01248313	0.16162471	0	0.321	0.84781	0	4.555686
0.000572226	0.00218208	0.01514372	0.15597086	0	0.3345	0.86361	0	5.302867
0.008091457	0.29701695	0.18956881	0.24091767	0	0.48888	0.59918	0	8.291059
0.001854627	0.88177156	0.21741892	0.14066854	0	0.47125	0.81817	0	6.95537
0.000881811	0.19101671	0.28612569	0.13339101	0	0.21948	0.78447	0	5.334796
0.003049836	0.16084993	0.45569282	0.12920865	0	0.84782	0.94919	0	11.3267
0.000792182	0.16160925	0.26904165	0.04220315	0	0.20712	0.93782	0	6.009781
0.002541497	0.09380564	0.16840287	0.05054627	0	0.2379	0.76163	0	5.496856
0.000688228	0.03155148	0.02509049	0.05799219	0	0.41127	0.6552	0	4.593754
0.004059349	0.11774767	0.39700189	0.15879953	0	0.33016	0.48962	0	7.296405
0.00197952	0.49743575	0.22249909	0.15707504	0	0.58403	0.69061	0	7.158247
0.000740686	0.06930113	0.13900193	0.02833117	0	0.29076	0.33127	0	4.570096
0.005126803	0.02337274	0.19817153	0.02481112	0	0.16693	0.89214	0	4.530081
0.013092293	0.05327813	0.17506703	0.07054897	0	0.31596	0.57123	0	4.595474
0.000831485	0.13892065	0.14039003	0.14164291	0	0.33856	0.43791	0	6.302878
0.000777266	0.01168655	0.02402519	0.0772999	0	0.72909	1.00469	0	6.018051
0.000806983	0.05171477	0.09939919	0.0276834	0	0.32972	0.59473	0	5.552919
0.002299565	0.88097343	0.35137545	0.18266336	0	0.54527	0.7113	0	7.930535
0.002302053	0.0665035	0.25423127	0.038649	0	0.18037	0.77521	0	5.983604
0.000652727	0.06265038	0.08072409	0.08186213	0	0.31304	1.05307	0	4.831546
0.000352462	0.0006486	0.00068669	0.03054398	0	0.27536	0.44836	0	3.285807
0.003024702	0.18556243	0.27429326	0.03816247	0	0.14463	0.54414	0	4.866141
0.001060414	0.01954615	0.1109729	0.11026374	0	0.48894	0.6334	0	7.227639
0.008501739	0.01764876	0.1790847	0.02926445	0	0.18472	0.95026	0	4.607829
0.002417354	0.06979814	0.26678022	0.04056182	0	0.18929	0.81349	0	6.278696
1.287E-06	0	0	0.00103054	0	0.98278	0.8225	0	1.90139
0.001096033	0.08918341	0.13060341	0.02912911	0	0.15896	0.26605	0	3.992499
0.00118636	0.24613226	0.18163097	0.2378687	0	0.46755	0.71702	0	8.495711
0.006739258	0.21495188	0.42544766	0.20221706	0	0.23926	0.60007	0	7.584743
0.00050471	0.0018251	0.0072752	0.12597789	0	0.39402	0.83904	0	4.466022
0.002112805	0.46032791	0.330746	0.18254877	0	0.60221	1.00211	0	7.32273
0.001162509	0.00455072	0.03459451	0.25402623	0	0.72939	1.71422	0	10.89654
0.00092269	0.15764324	0.15837523	0.05077455	0	0.28545	0.24082	0	6.45833
0.003070547	0.18985639	0.23955461	0.01958669	0	0.19828	0.61402	0	4.804323
0.001834444	0.12205706	0.28645938	0.08505635	0	0.47395	0.91083	0	6.307784
0.000860244	0.03382892	0.07800105	0.02460127	0	0.29465	0.46797	0	6.604607
0.000735177	0.01152953	0.02381791	0.03544586	0	0.37974	0.54427	0	5.374825
0.00049385	0.02880146	0.01488429	0.027164	0	0.31372	0.7219	0	3.67575
0.003525196	0.05771278	0.14100957	0.03488002	0	0.14493	1.31411	0	5.176357
0.001612074	0.16683586	0.22039942	0.07534948	0	0.35794	0.74792	0	7.299287
1.28864E-06	0	0	0.00097594	0	0.93544	0.78431	0	1.81148
0.002951532	0.09051321	0.20475062	0.04886118	0	0.26284	1.28452	0	7.498409
0.00146805	0.15182249	0.20057352	0.06856713	0	0.32575	0.68064	0	6.435394
0.000351563	0.0009663	0.00200835	0.02550701	0	0.24425	0.37269	0	3.356214

0.003409713	0.1303742	0.14541172	0.2209814	0	0.33517	0.58436	0	8.782641
0.008043623	0.01645109	0.19467397	0.03898596	0	0.1822	0.98298	0	4.536564
0.000774169	0.00224598	0.01037186	0.2468455	0	0.5286	1.42837	0	7.210452
0.000517511	0.00196473	0.0135857	0.14271284	0	0.30174	0.77984	0	4.810309
0.000546619	0.02835354	0.01000031	0.07754811	0	0.40597	0.95134	0	4.207461
0.000578084	0.00335119	0.01188929	1.01281866	0	0.47741	1.05448	0	5.177681
0.000446119	0.00331725	0.01443684	0.03893284	0	0.42306	0.61854	0	3.929077
0.000411038	0.002698	0.00579616	0.03887912	0	0.36542	0.77825	0	3.563993
0.001599161	0.14592458	0.21839959	0.07466436	0	0.35472	0.74115	0	6.988259
0.000710512	0.00986531	0.02225398	0.08735807	0	0.38449	0.60959	0	5.146031
0.000625879	0.00240606	0.0142585	0.12122527	0	0.4621	1.08388	0	5.862467
0.000962454	0.06807953	0.10440081	0.12496946	0	0.31608	0.38116	0	7.339979
0.000505871	0.00616893	0.04066845	0.79374338	0	0.3682	0.83722	0	4.301646
0.000908389	0.10779969	0.16023656	0.05711717	0	0.27861	0.30064	0	6.351521
0.000732156	0.12493053	0.19649132	0.05604931	0	0.22873	0.94946	0	6.307584
0.000651692	0.00185483	0.0129363	0.27668494	0	0.49337	1.16805	0	6.037663
0.000349698	0.00098941	0.00198655	0.02234461	0	0.23071	0.3515	0	3.342006
0.011706024	0.03016809	0.1219278	0.05049134	0	0.20214	0.77432	0	3.905446
0.002129495	0.21284664	0.2127614	0.05444161	0	0.31978	0.30261	0	7.480188
0.030142888	0.0481721	0.12868717	0.0299877	0	0.1601	0.69067	0	3.795988
0.000788974	0.10516693	0.13085267	0.0465165	0	0.26525	0.25971	0	5.544555
0.002552622	0.09823193	0.36402065	0.06924398	0	0.48573	0.62322	0	9.714106
0.000685058	0.07307046	0.07930484	0.10028373	0	0.24378	0.30359	0	5.195773
0.000647782	0.00971301	0.02249488	0.01979617	0	0.59724	1.0706	0	5.709623
0.00690429	0.02651111	0.20414828	0.18922099	0	0.7561	1.66988	0	6.518866
0.000642728	0.00309399	0.02064418	0.23236836	0	0.44378	1.08123	0	5.948468
0.000747935	0.09780812	0.10201181	0.04844431	0	0.21075	0.22741	0	5.677878
0.00089444	0.01474816	0.07528258	0.06765633	0	0.46473	0.5953	0	6.13814
0.011892779	0.0748394	0.14501624	0.09338729	0	0.23035	0.74696	0	4.726679
0.002610572	0.25066996	0.19769296	0.26087093	0	0.47419	0.78053	0	9.483798
0.000891935	0.01398575	0.02888858	0.04298359	0	0.46055	0.6601	0	6.3554
0.000284949	0.00302167	0.00304857	0.04491056	0	0.34333	0.61395	0	2.582831
0.000601087	0.00902396	0.01004013	0.0183857	0	0.55424	0.99383	0	5.267165
0.000909667	0.04401157	0.27108165	0.04283293	0	0.36566	0.54201	0	6.33047
0.00319687	0.11798793	0.20085507	0.04451607	0	0.17125	0.65738	0	5.124438
0.001964218	0.03397608	0.0418152	0.09031435	0	0.61531	0.52028	0	3.66054
0	0.00056941	0.00032557	0.08693437	0	0.39622	0.85007	0	3.00188
1.28717E-06	0	0	0.00089721	0	0.86314	0.72181	0	1.669214
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0.00026536	0.00094406	0.00153101	0.03057367	0	0.25776	0.39497	0	2.462717
0.000570227	0.00218171	0.01516445	0.15509182	0	0.33449	0.86325	0	5.297569
0.000893312	0.09901702	0.17021505	0.04114784	0	0.33808	0.4769	0	5.56629
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0.000214193	0.00332557	0.01887091	0.005442	0	0.34509	0.2988	0	1.89535
0.000936088	0.0154678	0.07894073	0.0709564	0	0.48738	0.62431	0	6.437229
0.00485839	0.20464108	0.46481544	0.09680691	0	0.14832	0.28684	0	4.236722
0.004033395	0.03795045	0.10531004	0.027239	0	0.1842	0.97626	0	4.710483
0.00083389	0.08599611	0.10663942	0.13394342	0	0.35152	0.4525	0	6.18616
0	0.00032163	0.00035605	0.03215363	0	0.30504	0.64235	0	3.327522
0.000584692	0.00486964	0.03110697	0.06873113	0	0.46171	0.97886	0	4.625071
0.000757388	0.10271334	0.0864902	0.13316573	0	0.28385	0.39892	0	5.645842
0.000534563	0.00101601	0.00722303	0.36675826	0	0.3751	1.3462	0	4.841253
0.000559777	0.0473453	0.05352313	0.07711786	0	0.19747	0.21948	0	4.251625
0.000921159	0.04965033	0.21717683	0.02993486	0	0.29349	0.45973	0	8.354845
0.000308897	0.00055689	0.00060919	0.06817157	0	0.32875	0.57418	0	2.919938
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0.000603074	0.00902394	0.01003989	0.01837589	0	0.55418	0.99365	0	5.247811
0.012200231	0.02190987	0.2121557	0.16417255	0	0.54131	1.16011	0	5.562664
0.002857199	0.06102339	0.14452959	0.03538162	0	0.19566	1.00166	0	5.143154
0.004010339	0.0381051	0.10986011	0.02387626	0	0.155	1.01913	0	3.660394
0.003320042	0.15526229	0.27570402	0.0436256	0	0.18177	0.53412	0	5.222399
0.001276303	0.11762784	0.20787933	0.17206315	0	0.56211	0.81368	0	9.668668
0.000743222	0.01041184	0.04313522	0.0692804	0	0.67675	0.97268	0	5.845316
0.000373288	0.00068328	0.0037198	0.09225456	0	0.23568	0.87948	0	3.444628
0.000423707	0.00283781	0.01842194	0.68774418	0	0.35967	0.87078	0	3.744348
0.000746038	0.01235349	0.0243168	0.05486765	0	0.37834	0.48066	0	5.219936
0.000951125	0.15796541	0.26540599	0.05288081	0	0.30849	1.20234	0	7.164544
0.000633918	0.00994221	0.00898745	0.06281782	0	0.60117	0.80267	0	5.006538
0.005868772	0.04294843	0.09331017	0.02668202	0	0.11248	0.84795	0	3.276135
0.017500844	0.05795598	0.17130802	0.11431122	0	0.89868	1.23906	0	7.564525
0.002033007	0.04603631	0.32944365	0.038963	0	0.42411	0.5409	0	8.406729
0.005787194	0.04266919	0.12309763	0.0503715	0	0.64806	0.90066	0	4.755038
0.000200733	0.00039202	0.00021298	0.09840739	0	0.24847	0.6314	0	2.06092
0	0	0	-0.00020039	0	0.59331	0.80851	0	1.467718
0.000709086	0.06616481	0.13380654	0.0476004	0	0.38115	1.3102	0	6.757987
0.002825959	0.11161916	0.46342038	0.02906119	0	0.25181	0.31886	0	6.27232
0	0	0	0	0	0.18937	1.34199	0	1.565177
0.031532692	0.04760461	0.13909471	0.03323744	0	0.17213	0.79016	0	4.201965
0.007801269	0.01846281	0.258352	0.08156494	0	0.24546	1.51005	0	5.86858
0.000278015	0.00051781	0.00226582	0.17066192	0	0.2477	0.65546	0	2.623091
8.80044E-07	0	0.00013989	6.8235E-05	0	0.04653	1.09914	0	1.149423
0.001805629	0.10387582	0.14796291	0.01005232	0	0.12067	0.24437	0	4.135633
0	0	-0.00049511	0	0	0.5773	0.81458	0	1.564406
0	0	0	0	0	0.48557	1.26919	0	1.773214

0.002019782	0.05902473	0.29528053	0.02706199	0	0.27651	0.30709	0	5.802618
0.000480347	0.0009228	0.00599366	0.35895786	0	0.39053	1.41885	0	4.434037
1.27082E-06	0	0	0.00024143	0	0.18931	0.94706	0	1.226266
0.000688853	0.03774454	0.27348162	0.02761464	0	0.30201	0.38235	0	4.716038
0.003155176	0.13648398	0.17427709	0.0123875	0	0.32242	0.36939	0	6.10006
0	0.0001722	0.00013314	0.00270333	0	0.19711	0.8378	0	1.359498
0.00218031	0.11127358	0.1513099	0.01857445	0	0.17666	0.28002	0	5.619054
0.002955328	0.13066809	0.21577251	0.02826788	0	0.23252	0.55745	0	5.550223
0.002743039	0.08038365	0.19699727	0.02354642	0	0.27458	0.46685	0	4.865872
0.003174643	0.11834231	0.26046259	0.03512264	0	0.36229	0.45427	0	5.948467
0.002765352	0.12224115	0.15888597	0.02444488	0	0.18884	0.29963	0	4.939461
0.002111812	0.10377207	0.14000492	0.01728667	0	0.16813	0.271	0	4.715147
0.003236687	0.14294371	0.27111796	0.02465907	0	0.28874	0.51876	0	6.499462
0	0.00088664	0.00063762	0.06644533	0	0.41463	0.95428	0	3.0743
0	0.00042904	0.00191492	0.00201627	0	0.1881	0.35426	0	0.90561
0.000460579	0.00217513	0.00633248	0.41183945	0	0.50613	1.09211	0	4.026383
0	0.00070628	-0.00166113	0.00782649	0	0.52935	0.64549	0	1.491623
0	0.0041755	0.00351622	0.08199523	0	0.35579	0.86261	0	3.218062
-1.67271E-07	-0.00148247	0.00047373	-0.00035031	0	0.61752	0.72137	0	1.385704
0.002237886	0.09546912	0.34375016	0.02250026	0	0.21602	0.2194	0	5.342771
0	0.00039309	0.00042574	0.07843417	0	0.65137	1.10211	0	4.155825
0	2.782E-05	0	0.00137772	0	0.57102	0.91457	0	1.576639
0.000501334	0.01048127	0.06865487	0.02158109	0	0.80138	0.56722	0	4.303575
0.000294995	0.00054768	0.00177676	0.08417245	0	0.22927	1.06248	0	2.828378
9.93151E-07	0.04145608	0.04895794	0.02744192	0	0.31734	0.80255	0	4.343775
0	0.00039273	0.00042581	0.03336204	0	0.75097	1.33986	0	4.063503
9.95556E-07	0.00036205	0.00038383	0.01016497	0	1.83179	1.45775	0	3.743935
0.001753064	0.09222446	0.144345	0.02752379	0	0.19086	0.20441	0	3.93011
0	0	0.00013459	0.00047338	0	0.22739	1.10978	0	1.726257
0.002206856	0.09326868	0.46778789	0.01012674	0	0.25806	0.39154	0	7.066288
0.00059884	0.10425069	0.12610411	0.08161172	0	0.49181	0.76698	0	5.470717
0	0.03981287	0.04675784	0.00237855	0	0.34352	1.43469	0	4.895549
0	0.06951537	0.07892154	0.00232874	0	0.32627	0.95105	0	4.737156
0.010979815	0.03778063	0.12783288	0.03017408	0	0.15165	0.86433	0	4.067302
0.002280037	0.11899968	0.14729476	0.0262777	0	0.17766	0.15064	0	4.037498
0	0.00024099	0.00031884	0.00097822	0	0.27101	1.0497	0	1.739556
0	0.02946355	0.0344184	0.02302609	0	0.25294	0.79914	0	4.121814
0	0.03321262	0.03934695	0.00175332	0	0.327	1.3691	0	4.502945
0.001347803	0.10851778	0.60507562	0.0059604	0	0.35884	1.15197	0	5.943917
0.000152718	0.00112117	0.00580751	0.00194729	0	0.25644	0.74398	0	1.474276
6.51241E-07	0	0	-4.4676E-05	0	0.41354	0.85285	0	1.354603
0	0.00015705	0.00049694	0.00095578	0	0.32109	0.69653	0	1.264823
1.02161E-06	0.00024593	0.00019021	0.00378216	0	0.27598	1.173	0	1.903482
0	0.00042924	0.00190457	0.00200678	0	0.18611	0.35151	0	0.898813

0.001929994	0.10955776	0.57440599	0.0290729	0	0.30304	0.36339	0	5.891924
0	0.00105146	0.00394424	0.00779539	0	0.4929	0.38627	0	2.083766
1.02606E-06	0.00034475	0.00065869	0.00105	0	0.33352	0.68064	0	1.326548
0.000414742	0.06872404	0.07923466	0.02735799	0	0.21224	0.73971	0	4.027338
0.005499961	0.01562059	0.20214602	0.08414995	0	0.16861	1.46189	0	4.466974
0	0.00054087	0	0.00056095	0	0.27764	1.10465	0	1.67372
9.91528E-07	0.00222943	0.01086458	0.00657872	0	0.31556	0.46026	0	1.85287
0	0.00017786	0	0.00033454	0	0.31968	0.86524	0	1.674809
0	0	0	0.00021854	0	0.25014	1.07846	0	1.400552
-9.3656E-06	0	0	-0.00413522	0	0.45976	0.78543	0	1.253136
0	0.00042586	0.00041875	0.02684113	0	0.50383	1.91018	0	4.010958
0	0	0.00025308	-0.00017442	0	0.09193	1.18154	0	1.312173
0	8.8818E-05	0.0002246	0.00039248	0	0.16329	0.5282	0	0.809675
0	0	0	0.00045101	0	0.45778	1.2076	0	2.234331
0	0.00032335	0	0.00051397	0	0.43705	0.45011	0	0.992277
0	0.00011073	0.00012198	0.00035172	0	0.04664	1.05806	0	1.153473
0	0	0	0.00020226	0	0.18965	1.05673	0	1.363983
9.91516E-07	0.00050042	0.00255824	0.00101207	0	0.10375	0.21465	0	0.518532
0	0.00123262	0.006539	0.00214302	0	0.29175	0.89657	0	1.672514

total sulfat calibration RRF

14.3906	0.453829	0.778702
6.291979	0.73046	0.696892
9.117157	0.652572	0.667448
7.582546	0.643977	0.694005
7.585354	0.731945	0.71091
9.721485	0.649507	0.671945
7.752838	0.647021	0.752151
8.045068	0.567648	0.721655
6.59889	0.813842	0.684369
9.670856	0.606645	0.732281
7.572447	0.790997	0.719417
5.974201	0.831267	0.631703
6.62898	0.694019	0.681028
6.407518	0.532838	0.832014
4.749625	0.487563	0.85716
15.51974	0.580617	0.685259
16.37595	0.580511	0.68532
15.91999	0.580469	0.685345
9.348722	0.614474	0.711026
6.911528	0.731127	0.698704
5.733637	0.532546	0.831677
7.85506	0.633382	0.798339
8.291064	0.608466	0.731851
9.414212	0.706978	0.651311
7.904048	0.791009	0.723813
5.601089	0.828761	0.622519
7.04159	0.625327	0.692137
7.789436	0.642453	0.782716
6.950059	0.768407	0.654906
7.073225	0.623891	0.755186
8.889117	0.455828	0.796285
8.791793	0.682194	0.749263
8.519766	0.652143	0.66628
9.648598	0.652157	0.670586
9.173457	0.56654	0.722162
5.057236	0.838978	0.61293
11.31631	0.705865	0.654616
5.750988	0.716579	0.658228
7.259266	0.843709	0.612652
1.07902	0.52931	0.765541
17.49355	0.58044	0.685361
8.191662	0.632052	0.79285
7.073735	0.811037	0.641268

8.520864	0.610225	0.752178
5.795651	0.736105	0.758629
14.88928	0.580456	0.685352
5.910522	0.525606	0.747031
11.80009	0.525872	0.746059
6.886861	0.551635	0.785364
6.213842	0.495263	0.872582
12.11432	0.738806	0.637033
9.520728	0.706968	0.635867
7.361325	0.527067	0.77614
6.583769	0.736257	0.77021
8.939273	0.567488	0.717565
10.5385	0.65225	0.667831
10.14068	0.704105	0.667147
7.445802	0.79276	0.746297
5.716495	0.564811	0.832008
8.054761	0.647688	0.757539
7.029635	0.553369	0.81126
11.70186	0.783332	0.619284
6.979349	0.364891	0.833917
9.860372	0.701351	0.63536
9.112249	0.552652	0.872754
5.542146	0.578472	0.827395
10.39696	0.740455	0.621199
3.646864	0.632057	0.685471
7.247668	0.596838	0.699342
0	#DIV/0!	#DIV/0!
5.809635	0.889305	0.518596
3.661714	0.65739	0.674628
9.184204	0.892367	0.556792
10.15131	0.888419	0.599268
8.058341	0.687701	0.747241
7.026785	0.618128	0.757159
9.193547	0.552969	0.86529
7.361679	0.804038	0.644288
7.053676	0.731841	0.696322
4.912182	0.512612	0.84459
9.732881	0.705996	0.663577
6.268094	0.808224	0.619926
6.263407	0.616849	0.701992
11.39925	0.703748	0.650114
7.852706	0.679549	0.652665
8.542437	0.634409	0.766811
6.110222	0.651452	0.787591

8.707344	0.603891	0.706957
13.49771	0.799327	0.607353
6.386654	0.679067	0.765575
6.15814	0.570759	0.806435
1.780041	0.45427	0.781008
7.067599	0.524371	0.74725
8.021368	0.819511	0.632863
9.540246	0.722593	0.637308
6.004092	0.530947	0.834841
8.814386	0.635815	0.805742
6.647091	0.678337	0.740443
9.09836	0.55285	0.865321
8.014411	0.791014	0.73212
6.606889	0.696862	0.718333
10.92812	0.790175	0.634925
16.17254	0.766603	0.58836
4.994564	0.592072	0.706254
7.223973	0.594246	0.797088
12.27243	0.738915	0.655914
10.11878	0.729283	0.632234
6.836295	0.670905	0.67943
7.1072	0.629213	0.721833
10.01625	0.789951	0.628414
5.387435	0.639694	0.682651
7.420089	0.793034	0.747601
7.578312	0.921561	0.538471
5.92549	0.856595	0.617629
9.226449	0.706887	0.647161
8.336577	0.567105	0.717744
6.436542	0.843632	0.609583
8.501617	0.628348	0.750227
7.325404	0.687174	0.682831
7.935269	0.896244	0.514105
5.966057	0.806846	0.651581
6.848225	0.791212	0.732048
10.04352	0.769034	0.653657
9.220901	0.624305	0.773121
7.878719	0.896301	0.727432
7.696984	0.958039	0.66886
4.73767	0.836808	0.546061
6.738284	0.615251	0.763959
9.936069	0.701978	0.635068
4.422939	0.541605	0.837439
6.305602	0.579034	0.772722

9.042323	0.927273	0.509274
8.091477	0.725911	0.743101
6.383935	0.834618	0.627718
7.655948	0.553078	0.865641
9.207558	0.370881	0.819873
5.624989	0.638567	0.778524
9.39681	0.626906	0.779335
10.05324	0.656311	0.644633
5.401982	0.619821	0.832207
6.509483	0.593258	0.794029
6.921098	0.644332	0.77773
9.18382	0.890289	0.684897
8.579078	0.820568	0.72715
6.975881	0.822235	0.6345
2.492956	0.879428	0.930517
5.575325	0.649802	0.788834
6.143616	0.740961	0.721881
6.386407	0.845572	0.653176
9.480306	0.767661	0.684327
9.270251	0.577781	0.729583
11.40561	0.863828	0.575424
5.449169	0.642062	0.790923
9.716672	0.668204	0.630214
5.331502	0.537205	0.858498
7.426334	0.934924	0.535976
7.843029	0.879535	0.556349
9.677485	0.770149	0.612633
6.042867	0.824897	0.635098
8.20966	0.765702	0.736208
6.07933	0.839822	0.636114
7.916211	0.762261	0.7367
9.476266	0.909767	0.578782
5.45042	0.762221	0.67068
8.318994	0.36779	0.823509
9.165363	0.615583	0.784139
6.997543	0.719899	0.643198
6.964585	0.455603	0.802534
6.281684	0.635935	0.741224
6.186285	0.771781	0.796142
7.555073	0.65754	0.69303
8.46308	0.689337	0.76501
6.340943	0.751524	0.680875
7.214905	0.600707	0.775085
5.469066	0.846737	0.63013

6.106096	0.74159	0.749901
10.90149	0.856922	0.631566
12.26126	0.882103	0.590031
7.715902	0.680434	0.765086
6.018893	0.707089	0.768354
7.198064	0.786701	0.716936
7.067764	0.772484	0.57039
9.387915	0.660642	0.769917
5.311602	0.512976	0.849808
6.175454	0.843522	0.616707
6.628382	0.66341	0.64944
6.950083	0.831108	0.721818
7.791018	0.424372	0.840322
7.410171	0.91949	0.506104
7.167311	0.614818	0.787588
5.636123	0.551662	0.842731
9.534827	0.733854	0.646584
7.539401	0.905321	0.722031
7.021091	0.958164	0.668819
7.898004	0.868874	0.63031
5.148635	0.641748	0.772993
7.771495	0.816859	0.732897
7.986168	0.76228	0.736696
6.632468	0.527012	0.746381
8.077746	0.681558	0.703679
7.038715	0.770557	0.697869
6.765567	0.792456	0.770361
8.733142	0.454241	0.828041
8.084382	0.641673	0.750934
7.864785	0.754724	0.763649
9.174331	0.880306	0.589518
6.250582	0.634054	0.777575
5.79932	0.657768	0.760991
9.019826	0.707013	0.647111
9.773526	0.840585	0.613468
6.195362	0.698607	0.697451
7.725894	0.74343	0.6621
7.521895	0.669926	0.678916
7.99017	0.699859	0.800028
6.994665	0.891412	0.646159
9.760086	0.73169	0.68944
6.793276	0.673427	0.689937
5.125473	0.860969	0.633504
8.77647	0.462528	0.816674

8.966781	0.463001	0.802388
6.406054	0.591001	0.711995
6.547517	0.553373	0.824926
9.739615	0.891937	0.556789
9.528108	0.911654	0.534906
2.44776	-44.5113	1.002904
7.2041	0.823499	0.757054
6.303055	0.62522	0.807802
7.717503	0.694197	0.762862
9.230751	0.729457	0.707488
8.689016	0.946096	0.695983
8.348486	0.37143	0.819603
6.035427	0.648461	0.736984
3.84296	0.608163	0.709676
7.675557	0.824515	0.719083
8.243595	0.454671	0.809834
8.260466	0.879017	0.64604
8.497054	0.629231	0.807953
7.12666	0.526625	0.825009
8.989309	0.636216	0.784732
8.329801	0.723327	0.734861
8.187045	0.877008	0.594381
6.859823	0.688555	0.703921
9.52989	0.712589	0.747119
6.584769	0.717654	0.761273
5.949051	0.438058	0.831275
6.07007	0.797582	0.690975
7.448333	0.671052	0.756327
6.161171	0.553724	0.786441
9.25222	0.726863	0.658161
7.922664	0.723773	0.64669
9.641126	0.751953	0.696136
6.450836	0.655978	0.79362
7.869181	0.67968	0.749765
11.24488	0.90795	0.539461
8.185952	0.567691	0.758694
7.359493	0.856648	0.702878
6.397517	0.646642	0.748594
7.229637	0.741689	0.788414
8.298838	0.686709	0.793625
8.10137	0.921935	0.53793
10.02628	0.843388	0.63007
1.901557	0.821205	0.606816
9.55211	0.653737	0.722916

11.0784	0.821146	0.608304
5.322217	0.907496	0.772755
8.270001	0.500219	0.79214
8.398696	0.847123	0.617097
9.029394	0.707115	0.691788
8.4849	0.769073	0.731637
5.966466	0.854176	0.620306
9.01215	0.759765	0.724669
7.428649	0.841464	0.581608
11.47472	0.829165	0.576808
6.781107	0.61435	0.801008
6.306899	0.758749	0.642552
6.042351	0.725843	0.730771
7.476484	0.746438	0.80054
7.980236	0.63298	0.790953
10.43494	0.697101	0.756586
7.323593	0.653759	0.811876
10.65782	0.812059	0.602253
5.764522	0.836764	0.653388
7.743931	0.617058	0.829584
7.164156	0.697243	0.842404
9.083703	0.816376	0.715925
6.260393	0.732503	0.692767
7.990196	0.848125	0.602338
9.585984	0.867681	0.60066
6.137969	0.644247	0.760684
6.867071	0.604744	0.755038
9.666069	0.829486	0.611673
5.221594	0.824322	0.596827
9.182639	0.706887	0.647161
7.411558	0.868245	0.557953
2.732823	0.678373	0.665599
5.383533	0.768015	0.623493
7.314782	0.93891	0.512234
8.68175	0.586575	0.843514
8.556434	0.810553	0.667573
9.060031	0.756174	0.762863
7.131681	0.665229	0.795299
7.574242	0.866634	0.649949
8.031844	0.77129	0.763904
5.303441	0.783017	0.698248
5.201567	0.76303	0.670354
6.395921	0.55337	0.824923
7.365945	0.724822	0.764843

8.36835	0.622737	0.76052
8.653103	0.69438	0.759674
7.717656	0.636789	0.789588
9.088359	0.832408	0.57064
9.08913	0.628344	0.754577
7.004218	0.761743	0.6512
7.375075	0.697158	0.842428
7.867494	0.725382	0.673392
9.332433	0.887476	0.555752
7.151113	0.672075	0.6794
10.02455	0.798071	0.625647
6.527906	0.479418	0.805211
4.628594	0.73913	0.790476
6.421231	0.526869	0.81419
1.2896	1745.735	0.994125
5.871158	0.748121	0.761653
10.34488	0.643367	0.739954
9.411888	0.629927	0.732224
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8.109733	0.689584	0.814525
5.088448	0.51461	0.886999
8.030105	0.633906	0.715335
4.80377	0.586017	0.873863
9.490898	0.774436	0.58905
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7.639957	0.711666	0.66518
11.58911	0.779546	0.668732
8.190597	0.762171	0.64645
9.054315	0.765485	0.708873
6.519481	0.761909	0.686689
7.15176	0.59617	0.791294
8.727718	0.841555	0.565991
6.049441	0.579574	0.806488
7.020154	0.55339	0.807309
5.037811	0.80398	0.744233
7.374652	0.69944	0.724742
5.257073	0.841444	0.606559
9.771936	0.767667	0.684328
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7.642733	0.700598	0.760039
8.540658	0.628844	0.741038
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5.478579	0.525019	0.858291

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7.850488	0.827965	0.58058
7.507518	0.699045	0.71919
9.076198	0.795552	0.643783
5.467958	0.700099	0.757024
8.325604	0.686979	0.694235
6.201999	0.792984	0.685318
5.693377	0.891829	0.659053
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6.72185	0.979996	0.691996
8.241385	0.754059	0.746118
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7.891391	0.790296	0.725308
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6.273182	0.69585	0.746444
5.896201	0.787164	0.684945
7.736318	0.873556	0.690685
4.420468	0.839914	0.645312
7.417084	0.799463	0.739998
8.581797	0.765721	0.732137
4.030282	0.696172	0.755446
12.04893	0.760517	0.679884
7.808835	0.845553	0.558062
5.872601	0.738974	0.747186
8.188822	0.610643	0.711608
8.287842	0.686792	0.71475
6.88971	0.808382	0.676844
6.481617	0.766712	0.78544
5.73473	0.727983	0.703711
7.411478	0.828444	0.668432
7.60704	0.812709	0.658066
8.947581	0.760012	0.727158
9.006573	0.742039	0.722706
5.333014	0.583849	0.891462
9.167473	0.837682	0.573576
6.078869	0.745294	0.723345
9.706578	0.813612	0.651524
8.993606	0.696595	0.735785
7.90222	0.71995	0.726936
7.851635	0.828899	0.68561
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7.156427	0.829086	0.59763
9.296653	0.722368	0.708764

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7.244968	0.707664	0.718054
8.169263	0.802572	0.623596
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8.904923	0.730595	0.678302
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8.887132	0.6584	0.689878
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3.767442	0.642687	0.782462
8.883907	0.882293	0.645257
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9.611507	0.746087	0.701215
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6.152277	0.625013	0.899969
5.540452	0.870585	0.743137
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8.71191	0.790609	0.68693
9.038013	0.72237	0.663934
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6.758404	0.899899	0.682328
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6.192448	0.721588	0.698423
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12.14111	0.744276	0.731428
5.776845	0.83565	0.730258

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8.90936	0.747946	0.712589
6.727476	0.762539	0.743109
7.414536	0.720814	0.761461
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7.585543	0.751882	0.667094
7.541811	0.818435	0.772426
5.666569	0.514712	0.892676
9.355492	0.791305	0.664697
9.708359	0.825994	0.654015
5.318412	0.600962	0.884571
3.419193	0.384868	0.957358
10.99343	0.739638	0.711656
9.508148	0.737519	0.916648
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7.822482	0.87562	0.580409
12.39199	0.48891	0.927718
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8.059427	0.802285	0.702735
4.040975	0.611398	0.910091
5.256545	0.746315	0.838769
11.30311	0.772871	0.651467
5.99128	0.959654	0.870189
12.29501	0.76821	0.703664
8.302389	0.807357	0.750205
10.72848	0.770591	0.703635
10.84576	0.73424	0.713686
5.160258	0.827479	0.644353
19.08958	0.806766	0.699497
8.746739	0.703266	0.741371
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6.450524	0.642893	0.767931
8.129497	0.805887	0.679775
8.763043	0.765472	0.681455
6.249463	0.829325	0.726113
5.275322	0.670103	0.888683
7.21178	0.69166	0.75389
9.293359	0.877846	0.693351
5.569439	0.8998	0.550298
5.505684	0.747817	0.872785
10.98341	0.849299	0.69594
6.174987	0.868623	0.668829
10.80381	0.67777	0.708276
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8.62354	0.84729	0.66449
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9.273828	0.743016	0.75
7.173718	0.723342	0.743658
15.39126	0.71526	0.735918
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6.593518	0.669602	0.833676
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8.682626	0.689892	0.760669
7.128411	0.815587	0.754
4.980068	0.86499	0.738092
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2.23373	-0.0733	1.000269
0.97106	-25.3243	1.02185
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QTR 3 AMMS				
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261630033	MI	Michigan	Wayne	39.4796
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261630016	MI	Michigan	Wayne	38.9888
390350060	OH	Ohio	Cuyahoga	37.7751
170311016	IL	Illinois	Cook	37.5796
540090011	WV	West Virginia	Brooke	37.5715
261630019	MI	Michigan	Wayne	37.3402
10730023	AL	Alabama	Jefferson	36.9645
171191007	IL	Illinois	Madison	36.5937
261470005	MI	Michigan	St Clair	36.2326
420070014	PA	Pennsylvania	Beaver	36.2073
550790043	WI	Wisconsin	Milwaukee	36.2056
420710007	PA	Pennsylvania	Lancaster	35.978
180970081	IN	Indiana	Marion	35.8506
180970043	IN	Indiana	Marion	35.7562
180970066	IN	Indiana	Marion	35.7338
420030116	PA	Pennsylvania	Allegheny	35.5936
261630015	MI	Michigan	Wayne	35.5505
550790010	WI	Wisconsin	Milwaukee	35.4741
340172002	NJ	New Jersey	Hudson	35.4628
10732003	AL	Alabama	Jefferson	35.307
390618001	OH	Ohio	Hamilton	35.2874
171190023	IL	Illinois	Madison	35.1056
261610008	MI	Michigan	Washtenaw	35.052
420031008	PA	Pennsylvania	Allegheny	35.0445
170313103	IL	Illinois	Cook	35.0373
261250001	MI	Michigan	Oakland	35.0093
170313301	IL	Illinois	Cook	34.9689
180890022	IN	Indiana	Lake	34.9383
170310052	IL	Illinois	Cook	34.9357
390350065	OH	Ohio	Cuyahoga	34.9144
390350045	OH	Ohio	Cuyahoga	34.798
390811001	OH	Ohio	Jefferson	34.5603
261150005	MI	Michigan	Monroe	34.4549
390170003	OH	Ohio	Butler	34.4017
420210011	PA	Pennsylvania	Cambria	34.3082
390851001	OH	Ohio	Lake	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076
180970078	IN	Indiana	Marion	34.1567
170316005	IL	Illinois	Cook	34.1223
261630036	MI	Michigan	Wayne	34.0794

180890026	IN	Indiana	Lake	34.0785
550790099	WI	Wisconsin	Milwaukee	34.0458
180970083	IN	Indiana	Marion	34.0273
420031301	PA	Pennsylvania	Allegheny	33.9507
420030008	PA	Pennsylvania	Allegheny	33.868
420110011	PA	Pennsylvania	Berks	33.769
550090005	WI	Wisconsin	Brown	33.7296
391130032	OH	Ohio	Montgomery	33.6761
390617001	OH	Ohio	Hamilton	33.6608
170312001	IL	Illinois	Cook	33.6183
550790026	WI	Wisconsin	Milwaukee	33.617
390810017	OH	Ohio	Jefferson	33.4572
390350027	OH	Ohio	Cuyahoga	33.4512
390170017	OH	Ohio	Butler	33.4192
171192009	IL	Illinois	Madison	33.3986
421330008	PA	Pennsylvania	York	33.3762
360610056	NY	New York	New York	33.3656
191630019	IA	Iowa	Scott	33.287
180372001	IN	Indiana	Dubois	33.2646
170310022	IL	Illinois	Cook	33.2552
390610014	OH	Ohio	Hamilton	33.2323
245100049	MD	Maryland	Baltimore City	33.2312
191390015	IA	Iowa	Muscatine	33.2251
390610006	OH	Ohio	Hamilton	33.1992
390490025	OH	Ohio	Franklin	33.1357
391530017	OH	Ohio	Summit	33.1224
550090009	WI	Wisconsin	Brown	33.1217
180190006	IN	Indiana	Clark	33.1122
390490024	OH	Ohio	Franklin	33.1105
471251009	TN	Tennessee	Montgomery	33.0936
180830004	IN	Indiana	Knox	33.0866
360050080	NY	New York	Bronx	33.0557
170310076	IL	Illinois	Cook	33.0485
245100040	MD	Maryland	Baltimore City	33.0423
261630001	MI	Michigan	Wayne	32.9638
261630039	MI	Michigan	Wayne	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203
181570008	IN	Indiana	Tippecanoe	32.8932
390950024	OH	Ohio	Lucas	32.879
420030095	PA	Pennsylvania	Allegheny	32.8446
390171004	OH	Ohio	Butler	32.6908
390610042	OH	Ohio	Hamilton	32.6599
170310057	IL	Illinois	Cook	32.6023
550250047	WI	Wisconsin	Dane	32.5552

540291004	WV	West Virginia	Hancock	32.5374
180970079	IN	Indiana	Marion	32.504
360610128	NY	New York	New York	32.4869
551330027	WI	Wisconsin	Waukesha	32.4125
420033007	PA	Pennsylvania	Allegheny	32.3987
391510017	OH	Ohio	Stark	32.3813
390350034	OH	Ohio	Cuyahoga	32.3575
390170016	OH	Ohio	Butler	32.347
550790059	WI	Wisconsin	Milwaukee	32.3407
340390004	NJ	New Jersey	Union	32.3397
171971002	IL	Illinois	Will	32.3025
245100035	MD	Maryland	Baltimore City	32.2968
295100087	MO	Missouri	St Louis City	32.284
260810020	MI	Michigan	Kent	32.283
181670023	IN	Indiana	Vigo	32.2801
180970042	IN	Indiana	Marion	32.2618
420039002	PA	Pennsylvania	Allegheny	32.2493
340171003	NJ	New Jersey	Hudson	32.2328
391130031	OH	Ohio	Montgomery	32.2096
390610043	OH	Ohio	Hamilton	32.2045
391530023	OH	Ohio	Summit	32.199
391550007	OH	Ohio	Trumbull	32.1497
181670018	IN	Indiana	Vigo	32.1464
421290008	PA	Pennsylvania	Westmoreland	32.1087
171193007	IL	Illinois	Madison	32.0996
210590005	KY	Kentucky	Daviess	32.0821
260990009	MI	Michigan	Macomb	32.0477
540391005	WV	West Virginia	Kanawha	32.0005
540090005	WV	West Virginia	Brooke	31.9994
181630006	IN	Indiana	Vanderburgh	31.9818
131210039	GA	Georgia	Fulton	31.8689
390990014	OH	Ohio	Mahoning	31.8478
211110044	KY	Kentucky	Jefferson	31.808
390950025	OH	Ohio	Lucas	31.7849
171630010	IL	Illinois	St Clair	31.7365
390230005	OH	Ohio	Clark	31.7239
360610079	NY	New York	New York	31.6802
291831002	MO	Missouri	St Charles	31.667
360290005	NY	New York	Erie	31.6402
211110048	KY	Kentucky	Jefferson	31.595
170310050	IL	Illinois	Cook	31.5903
390610040	OH	Ohio	Hamilton	31.5552
420410101	PA	Pennsylvania	Cumberland	31.4722
420770004	PA	Pennsylvania	Lehigh	31.4557

211110043	KY	Kentucky	Jefferson	31.4228
240032002	MD	Maryland	Anne Arundel	31.4132
390950026	OH	Ohio	Lucas	31.4068
245100008	MD	Maryland	Baltimore City	31.3993
180890006	IN	Indiana	Lake	31.39
172010013	IL	Illinois	Winnebago	31.3853
360050110	NY	New York	Bronx	31.3625
540330003	WV	West Virginia	Harrison	31.3404
550430009	WI	Wisconsin	Grant	31.2809
360610062	NY	New York	New York	31.2713
170890007	IL	Illinois	Kane	31.2316
290990012	MO	Missouri	Jefferson	31.2301
295100007	MO	Missouri	St Louis City	31.2169
180390003	IN	Indiana	Elkhart	31.1719
350130017	NM	New Mexico	Dona Ana	31.1011
420290100	PA	Pennsylvania	Chester	31.0776
261390005	MI	Michigan	Ottawa	31.068
181630012	IN	Indiana	Vanderburgh	31.0673
11130001	AL	Alabama	Russell	31.0533
421255001	PA	Pennsylvania	Washington	31.0518
471650007	TN	Tennessee	Sumner	31.0456
170434002	IL	Illinois	Du Page	31.0148
540490006	WV	West Virginia	Marion	30.9768
191032001	IA	Iowa	Johnson	30.9645
210290006	KY	Kentucky	Bullitt	30.9635
50350005	AR	Arkansas	Crittenden	30.9046
540110006	WV	West Virginia	Cabell	30.9045
470930028	TN	Tennessee	Knox	30.894
90091123	CT	Connecticut	New Haven	30.8164
261630025	MI	Michigan	Wayne	30.8057
295100085	MO	Missouri	St Louis City	30.7654
470370023	TN	Tennessee	Davidson	30.7599
180030004	IN	Indiana	Allen	30.7316
180892010	IN	Indiana	Lake	30.7254
340390006	NJ	New Jersey	Union	30.7045
390351002	OH	Ohio	Cuyahoga	30.6557
180890031	IN	Indiana	Lake	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424
540030003	WV	West Virginia	Berkeley	30.6005
420850100	PA	Pennsylvania	Mercer	30.5722
340030003	NJ	New Jersey	Bergen	30.5567
261210040	MI	Michigan	Muskegon	30.5552
170314007	IL	Illinois	Cook	30.5547
211451004	KY	Kentucky	McCracken	30.5375

171670012	IL	Illinois	Sangamon	30.4933
181470009	IN	Indiana	Spencer	30.4614
391351001	OH	Ohio	Preble	30.4372
360470122	NY	New York	Kings	30.4349
171150013	IL	Illinois	Macon	30.3816
360010005	NY	New York	Albany	30.3575
540610003	WV	West Virginia	Monongalia	30.3574
110010041	DC	D.C.	Washington	30.3458
190450021	IA	Iowa	Clinton	30.3451
181630016	IN	Indiana	Vanderburgh	30.332
211170007	KY	Kentucky	Kenton	30.293
171132003	IL	Illinois	McLean	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511
180431004	IN	Indiana	Floyd	30.2473
340130015	NJ	New Jersey	Essex	30.2385
550870009	WI	Wisconsin	Outagamie	30.2367
541071002	WV	West Virginia	Wood	30.1936
171634001	IL	Illinois	St Clair	30.1897
360291007	NY	New York	Erie	30.1758
420490003	PA	Pennsylvania	Erie	30.1721
420270100	PA	Pennsylvania	Centre	30.1664
291892003	MO	Missouri	St Louis	30.1493
295100086	MO	Missouri	St Louis City	30.1476
420030021	PA	Pennsylvania	Allegheny	30.134
10731005	AL	Alabama	Jefferson	30.1267
260050003	MI	Michigan	Allegan	30.1099
550890009	WI	Wisconsin	Ozaukee	30.0832
132450005	GA	Georgia	Richmond	30.0775
130630091	GA	Georgia	Clayton	30.0141
90010010	CT	Connecticut	Fairfield	29.9964
390250022	OH	Ohio	Clermont	29.9273
170890003	IL	Illinois	Kane	29.9254
170971007	IL	Illinois	Lake	29.9098
540390010	WV	West Virginia	Kanawha	29.8974
180950009	IN	Indiana	Madison	29.8967
181410014	IN	Indiana	St Joseph	29.8913
130950007	GA	Georgia	Dougherty	29.8891
391330002	OH	Ohio	Portage	29.8719
240053001	MD	Maryland	Baltimore	29.8617
360632008	NY	New York	Niagara	29.8575
131150005	GA	Georgia	Floyd	29.8494
390990005	OH	Ohio	Mahoning	29.849
261610005	MI	Michigan	Washtenaw	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949

340071007	NJ	New Jersey	Camden	29.7935
420030067	PA	Pennsylvania	Allegheny	29.7877
191630018	IA	Iowa	Scott	29.7499
470370036	TN	Tennessee	Davidson	29.6939
210470006	KY	Kentucky	Christian	29.6878
560330002	WY	Wyoming	Sheridan	29.6835
170831001	IL	Illinois	Jersey	29.6819
511071005	VA	Virginia	Loudoun	29.6445
340310005	NJ	New Jersey	Passaic	29.6245
360810124	NY	New York	Queens	29.619
170650002	IL	Illinois	Hamilton	29.604
180892004	IN	Indiana	Lake	29.6027
181411008	IN	Indiana	St Joseph	29.5949
421250005	PA	Pennsylvania	Washington	29.5898
291890004	MO	Missouri	St Louis	29.573
180891003	IN	Indiana	Lake	29.5534
51191005	AR	Arkansas	Pulaski	29.5365
240031003	MD	Maryland	Anne Arundel	29.5073
100032004	DE	Delaware	New Castle	29.5057
340392003	NJ	New Jersey	Union	29.4956
51191004	AR	Arkansas	Pulaski	29.4936
391450013	OH	Ohio	Scioto	29.4899
133190001	GA	Georgia	Wilkinson	29.4533
360050083	NY	New York	Bronx	29.4256
171430037	IL	Illinois	Peoria	29.3842
420450002	PA	Pennsylvania	Delaware	29.3726
260650012	MI	Michigan	Ingham	29.3449
550590019	WI	Wisconsin	Kenosha	29.3406
340070003	NJ	New Jersey	Camden	29.3183
10550010	AL	Alabama	Etowah	29.3121
10735003	AL	Alabama	Jefferson	29.2924
132150008	GA	Georgia	Muscogee	29.2635
550270007	WI	Wisconsin	Dodge	29.2495
110010042	DC	D.C.	Washington	29.247
212270007	KY	Kentucky	Warren	29.2278
180890027	IN	Indiana	Lake	29.1886
401359015	OK	Oklahoma	Sequoyah	29.1744
340410006	NJ	New Jersey	Warren	29.1404
240430009	MD	Maryland	Washington	29.139
360850055	NY	New York	Richmond	29.1239
210930006	KY	Kentucky	Hardin	29.0935
180350006	IN	Indiana	Delaware	29.0772
390933002	OH	Ohio	Lorain	29.0611
130670003	GA	Georgia	Cobb	29.0528

390570005	OH	Ohio	Greene	29.0326
400710602	OK	Oklahoma	Kay	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896
180670003	IN	Indiana	Howard	28.9869
11210002	AL	Alabama	Talladega	28.9807
90090027	CT	Connecticut	New Haven	28.9783
470931017	TN	Tennessee	Knox	28.9379
90013005	CT	Connecticut	Fairfield	28.8711
470450004	TN	Tennessee	Dyer	28.8698
471570047	TN	Tennessee	Shelby	28.866
420010001	PA	Pennsylvania	Adams	28.8658
10731009	AL	Alabama	Jefferson	28.843
181270020	IN	Indiana	Porter	28.7963
245100007	MD	Maryland	Baltimore City	28.7875
510590030	VA	Virginia	Fairfax	28.7718
110010043	DC	D.C.	Washington	28.7591
510595001	VA	Virginia	Fairfax	28.7111
210190017	KY	Kentucky	Boyd	28.7107
517750010	VA	Virginia	Salem City	28.7054
510130020	VA	Virginia	Arlington	28.6985
250132009	MA	Massachusetts	Hampden	28.6727
291860006	MO	Missouri	Ste Genevieve	28.6659
130210007	GA	Georgia	Bibb	28.6629
211010014	KY	Kentucky	Henderson	28.5922
180650003	IN	Indiana	Henry	28.5778
180910011	IN	Indiana	La Porte	28.566
420170012	PA	Pennsylvania	Bucks	28.5489
471410001	TN	Tennessee	Putnam	28.5037
210670014	KY	Kentucky	Fayette	28.4959
540390011	WV	West Virginia	Kanawha	28.4882
471192007	TN	Tennessee	Maury	28.4866
390490081	OH	Ohio	Franklin	28.4791
390870010	OH	Ohio	Lawrence	28.4789
211110051	KY	Kentucky	Jefferson	28.4753
132450091	GA	Georgia	Richmond	28.4729
51190007	AR	Arkansas	Pulaski	28.4609
90090026	CT	Connecticut	New Haven	28.3705
171110001	IL	Illinois	McHenry	28.3571
260770008	MI	Michigan	Kalamazoo	28.3562
90092123	CT	Connecticut	New Haven	28.3125
260170014	MI	Michigan	Bay	28.3084
180030014	IN	Indiana	Allen	28.2662
171613002	IL	Illinois	Rock Island	28.2586
90011123	CT	Connecticut	Fairfield	28.2557

340210008	NJ	New Jersey	Mercer	28.2468
170190004	IL	Illinois	Champaign	28.2306
510591005	VA	Virginia	Fairfax	28.2093
471570038	TN	Tennessee	Shelby	28.2087
131210032	GA	Georgia	Fulton	28.2012
470650031	TN	Tennessee	Hamilton	28.1941
250130016	MA	Massachusetts	Hampden	28.1824
10731010	AL	Alabama	Jefferson	28.181
470370025	TN	Tennessee	Davidson	28.1484
540511002	WV	West Virginia	Marshall	28.1278
470090011	TN	Tennessee	Blount	28.1145
181270024	IN	Indiana	Porter	28.1118
170010006	IL	Illinois	Adams	28.0978
100031003	DE	Delaware	New Castle	28.0769
560131003	WY	Wyoming	Fremont	28.068
500210002	VT	Vermont	Rutland	28.0644
130892001	GA	Georgia	De Kalb	28.0607
130670004	GA	Georgia	Cobb	28.048
471570014	TN	Tennessee	Shelby	28.019
450630008	SC	South Carolin	Lexington	28.0117
245100006	MD	Maryland	Baltimore City	27.9999
191532520	IA	Iowa	Polk	27.9863
10732006	AL	Alabama	Jefferson	27.98
190130008	IA	Iowa	Black Hawk	27.9591
10890014	AL	Alabama	Madison	27.9485
210670012	KY	Kentucky	Fayette	27.9406
10735002	AL	Alabama	Jefferson	27.9194
280670002	MS	Mississippi	Jones	27.865
471050108	TN	Tennessee	Loudon	27.8502
450790019	SC	South Carolin	Richland	27.8414
260210014	MI	Michigan	Berrien	27.8216
170314201	IL	Illinois	Cook	27.7946
280810005	MS	Mississippi	Lee	27.794
100031012	DE	Delaware	New Castle	27.7536
191630015	IA	Iowa	Scott	27.7496
401431127	OK	Oklahoma	Tulsa	27.7317
240338003	MD	Maryland	Prince Georges	27.7109
210730006	KY	Kentucky	Franklin	27.7065
132150001	GA	Georgia	Muscogee	27.6972
340230006	NJ	New Jersey	Middlesex	27.682
240051007	MD	Maryland	Baltimore	27.6606
130890002	GA	Georgia	De Kalb	27.599
550710007	WI	Wisconsin	Manitowoc	27.5811
191130037	IA	Iowa	Linn	27.5738

482011035	TX	Texas	Harris	27.5693
280870001	MS	Mississippi	Lowndes	27.5532
240030014	MD	Maryland	Anne Arundel	27.5338
470654002	TN	Tennessee	Hamilton	27.5322
401010169	OK	Oklahoma	Muskogee	27.4531
11170006	AL	Alabama	Shelby	27.4417
260490021	MI	Michigan	Genesee	27.4275
51450001	AR	Arkansas	White	27.4201
210370003	KY	Kentucky	Campbell	27.3926
171570001	IL	Illinois	Randolph	27.3835
170191001	IL	Illinois	Champaign	27.2942
471071002	TN	Tennessee	Mc Minn	27.2789
50450002	AR	Arkansas	Faulkner	27.2725
517700014	VA	Virginia	Roanoke City	27.2612
181412004	IN	Indiana	St Joseph	27.2447
180910012	IN	Indiana	La Porte	27.2372
261450018	MI	Michigan	Saginaw	27.2308
360551007	NY	New York	Monroe	27.2257
370350004	NC	North Carolin	Catawba	27.2
250035001	MA	Massachusetts	Berkshire	27.1852
90092008	CT	Connecticut	New Haven	27.1796
420990301	PA	Pennsylvania	Perry	27.161
11010007	AL	Alabama	Montgomery	27.1552
280330002	MS	Mississippi	De Soto	27.1418
171971011	IL	Illinois	Will	27.1413
421250200	PA	Pennsylvania	Washington	27.1299
131350002	GA	Georgia	Gwinnett	27.1273
420791101	PA	Pennsylvania	Luzerne	27.1057
290190004	MO	Missouri	Boone	27.0884
280350004	MS	Mississippi	Forrest	27.0804
450450008	SC	South Carolin	Greenville	27.0537
50010011	AR	Arkansas	Arkansas	27.0437
90019003	CT	Connecticut	Fairfield	27.0168
360590008	NY	New York	Nassau	26.9547
290210005	MO	Missouri	Buchanan	26.9389
471571004	TN	Tennessee	Shelby	26.9246
500010003	VT	Vermont	Addison	26.9131
390090003	OH	Ohio	Athens	26.8645
450370001	SC	South Carolin	Edgefield	26.8512
361030001	NY	New York	Suffolk	26.791
450450009	SC	South Carolin	Greenville	26.7194
281490004	MS	Mississippi	Warren	26.7141
51070001	AR	Arkansas	Phillips	26.654
132230003	GA	Georgia	Paulding	26.6372

50030005	AR	Arkansas	Ashley	26.6103
370010002	NC	North Carolin	Alamance	26.6054
420692006	PA	Pennsylvania	Lackawanna	26.5955
340270004	NJ	New Jersey	Morris	26.5837
133030001	GA	Georgia	Washington	26.5369
11270002	AL	Alabama	Walker	26.5064
500070014	VT	Vermont	Chittenden	26.4593
540890001	WV	West Virginia	Summers	26.4358
10270001	AL	Alabama	Clay	26.4344
280110001	MS	Mississippi	Bolivar	26.4015
220790002	LA	Louisiana	Rapides	26.3564
450830010	SC	South Carolin	Spartanburg	26.3392
200910009	KS	Kansas	Johnson	26.3364
202090021	KS	Kansas	Wyandotte	26.3338
50510003	AR	Arkansas	Garland	26.3105
540690010	WV	West Virginia	Ohio	26.3098
10970002	AL	Alabama	Mobile	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633
551110007	WI	Wisconsin	Sauk	26.2621
10331002	AL	Alabama	Colbert	26.251
240330030	MD	Maryland	Prince Georges	26.2435
400970186	OK	Oklahoma	Mayes	26.236
511390004	VA	Virginia	Page	26.2304
480370004	TX	Texas	Bowie	26.227
371190010	NC	North Carolin	Mecklenburg	26.2208
132150011	GA	Georgia	Muscogee	26.2016
51390006	AR	Arkansas	Union	26.195
370810013	NC	North Carolin	Guilford	26.1686
201770010	KS	Kansas	Shawnee	26.1362
220730004	LA	Louisiana	Ouachita	26.1127
370670022	NC	North Carolin	Forsyth	26.1108
250250043	MA	Massachusetts	Suffolk	26.1067
401159004	OK	Oklahoma	Ottawa	26.0998
132950002	GA	Georgia	Walker	26.07
211950002	KY	Kentucky	Pike	26.0567
450790007	SC	South Carolin	Richland	26.0532
10491003	AL	Alabama	De Kalb	26.0249
90031003	CT	Connecticut	Hartford	26.0027
51150003	AR	Arkansas	Pope	25.9896
471631007	TN	Tennessee	Sullivan	25.9828
130210012	GA	Georgia	Bibb	25.9503
516800015	VA	Virginia	Lynchburg City	25.9433
371830014	NC	North Carolin	Wake	25.9168
290770032	MO	Missouri	Greene	25.9066

220330009	LA	Louisiana	East Baton Roug	25.9035
401430110	OK	Oklahoma	Tulsa	25.8951
361191002	NY	New York	Westchester	25.8915
170990007	IL	Illinois	La Salle	25.85
240313001	MD	Maryland	Montgomery	25.832
370510009	NC	North Carolin	Cumberland	25.8117
540810002	WV	West Virginia	Raleigh	25.7881
290390001	MO	Missouri	Cedar	25.7707
191530030	IA	Iowa	Polk	25.7701
370570002	NC	North Carolin	Davidson	25.7156
280470008	MS	Mississippi	Harrison	25.6872
191970004	IA	Iowa	Wright	25.6775
191550009	IA	Iowa	Pottawattamie	25.6621
510360002	VA	Virginia	Charles City	25.6556
221210001	LA	Louisiana	West Baton Roug	25.6541
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340273001	NJ	New Jersey	Morris	25.6113
230172011	ME	Maine	Oxford	25.6012
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271230866	MN	Minnesota	Ramsey	25.5932
11250004	AL	Alabama	Tuscaloosa	25.5818
131390003	GA	Georgia	Hall	25.5753
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191770006	IA	Iowa	Van Buren	25.5369
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131530001	GA	Georgia	Houston	25.4555
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310250002	NE	Nebraska	Cass	25.0772

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482150043	TX	Texas	Hidalgo	24.864
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371190041	NC	North Carolin	Mecklenburg	24.6826
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380530002	ND	North Dakota	McKenzie	11.4285
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36.0593	0.049442965	0.02307478	0.0065734	0.01892255	0.01473104	0.00241352	0.02276471
34.0485	0.177905782	0.05531458	0.01578338	0.05784977	0.00505435	0.00771756	0.04188589
33.287	0.352347917	0.15618605	0.00224045	0.00192001	0.00214668	0.00994093	0.14000073
34.809	0.243337408	0.08489512	0.00219214	0.00193753	0.00211763	0.0023844	0.06610745
34.9859	0.045882635	0.01072401	0.00171355	0.00305401	0.00165896	0.0018544	0.01933652
34.1273	0.16970472	0.04399009	0.00696158	0.0159958	0.00667974	0.00768885	0.07819047
33.2312	0.188601865	0.01702038	0.01613835	0.03387018	0.02750421	0.0119126	0.07335961
34.5656	0.31259342	0.1750126	0.00190474	0.003259	0.0018242	0.01479936	0.20749779
33.1992	0.165011866	0.05111932	0.00440013	0.01318727	0.00421437	0.00731924	0.05910371
33.7772	0.18458317	0.08400187	0.00889406	0.01550559	0.00641763	0.00731409	0.10990334
34.7933	0.252352411	0.12522074	0.01042975	0.014418	0.00600784	0.006903	0.15907014
33.1217	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
34.5964	0.268935772	0.06363157	0.00366255	0.00791764	0.00351755	0.01009172	0.10227618
34.3638	0.309575402	0.08987647	0.01120347	0.01918314	0.00643908	0.00993649	0.13673317
34.2874	0.197048707	0.03362623	0.00797205	0.01197958	0.00572963	0.00220826	0.07062656
33.2775	0.16793718	0.06692193	0.00199276	0.00173321	0.00191681	0.00218875	0.04278702
33.4589	0.187244131	0.0674801	0.02193277	0.07372082	0.00700742	0.01214114	0.05947255
34.01	0.055586996	0.01235545	0.00167006	0.00286389	0.00160038	0.00184985	0.01869205
34.4422	0.187576782	0.01693448	0.0160569	0.03368661	0.02735781	0.01184498	0.09522107
35.1326	0.311685211	0.04545389	0.00430717	0.00924384	0.00412827	0.00715888	0.12201242
32.9308	0.207817169	0.0306243	0.00323457	0.00560446	0.00310806	0.00534156	0.083492
34.1613	0.138674745	0.03426855	0.00217474	0.01522267	0.01258479	0.00715886	0.07817253
33.9824	0.190189584	0.03857743	0.00204413	0.00531239	0.00196501	0.00448542	0.03613633
35.1737	0.238960358	0.04321241	0.00433195	0.009396	0.00416515	0.00714356	0.15654005
35.1357	0.052407667	0.02391827	0.00252346	0.00653751	0.00242271	0.00139172	0.03062961
33.8497	0.179161499	0.05364554	0.00424403	0.01097276	0.00407242	0.00703589	0.09141939
33.3433	0.276883559	0.04280097	0.0058183	0.00839626	0.00372369	0.00853435	0.08627164
33.7077	0.054247406	0.01374822	0.00162887	0.0028003	0.00156194	0.00180158	0.01935347
33.8237	0.180205076	0.07138418	0.00168944	0.00145618	0.00162119	0.00560799	0.08442274

32.795	0.078969034	0.06880195	0.00318553	0.00549117	0.0030568	0.00351774	0.04104913
33.4966	0.236636558	0.07720508	0.00237818	0.00621832	0.00228968	0.00520197	0.10221116
33.8421	0.159168061	0.04290524	0.01551987	0.05186049	0.00558657	0.00857273	0.04452396
33.1547	0.164660648	0.04736419	0.0012117	0.00207957	0.00116139	0.00671885	0.08304543
37.3967	0.034949955	0.00739579	0.00351993	0.01064926	0.0016905	0.00193921	0.02150823
33.0489	0.231429106	0.11720053	0.0046318	0.0079763	0.00444217	0.00768731	0.14054771
34.0541	0.268888059	0.03628535	0.00432005	0.01129526	0.00624138	0.00711423	0.11587409
33.2793	0.161320997	0.03787554	0.00421784	0.0162053	0.00605609	0.00702522	0.08314602
33.6698	0.194500373	0.05073859	0.00178115	0.00307754	0.00170894	0.00788115	0.11309947
33.4534	0.155192237	0.04639712	0.06772897	0.07362234	0.00756393	0.00693582	0.04876386
32.9379	0.060981403	0.0147719	0.00175249	0.00298152	0.00167717	0.00194684	0.02001403
33.0323	0.181994155	0.01642977	0.01557835	0.03268143	0.02653795	0.01149561	0.09238888
32.7417	0.275073601	0.23255781	0.00250408	0.00215486	0.00240189	0.00554681	0.16534511
32.7912	0.167178068	0.03404641	0.00169111	0.00724083	0.00324775	0.00564284	0.10991079
33.5153	0.24694844	0.10644913	0.0022492	0.00193865	0.00215833	0.00495615	0.04887366
33.5477	0.295342687	0.07803859	0.00239971	0.00208515	0.00230766	0.00526329	0.06978286
32.2493	0.027330771	0.00553186	0.00262449	0.00796093	0.00252135	0.00144531	0.01612815
32.7565	0.176720768	0.05657916	0.02518124	0.06599884	0.00519666	0.00788041	0.05698668
33.2706	0.341664469	0.10409706	0.00493809	0.012712	0.00473388	0.00819191	0.12913928
32.815	0.15947948	0.04939886	0.00425754	0.01274275	0.00407779	0.00708205	0.07535433
33.8101	0.243956266	0.11938737	0.00419327	0.00542801	0.00402342	0.00695858	0.14156776
33.4305	0.231399481	0.07917277	0.01317303	0.01303564	0.00542401	0.00621735	0.13318997
32.6936	0.245939426	0.1060096	0.00223902	0.00192988	0.00214856	0.00494491	0.04867553
32.2907	0.052069152	0.01421083	0.00385771	0.00663382	0.00184549	0.00426276	0.02964227
32.7339	0.397454972	0.18941617	0.00206672	0.00177581	0.00198159	0.00457278	0.16200263
32.0821	0.219576899	0.09905297	0.0024738	0.00638039	0.00237226	0.00547165	0.05877404
32.7437	0.203030982	0.04102635	0.00338167	0.00867061	0.00323871	0.00375058	0.0794066
32.6095	0.033728436	0.03697581	0.0019519	0.00340726	0.00187795	0.00214271	0.01523896
33.4564	0.064927013	0.03266521	0.00326587	0.00847867	0.00313636	0.00180563	0.0388934
32.5631	0.104350923	0.04351378	0.00251111	0.00218541	0.00121279	0.00138411	0.05337097
31.8689	0.718197302	0.05152279	0.00266854	0.00590348	0.00257919	0.07968714	2.59813121
32.9127	0.163261383	0.07350876	0.00399032	0.0085744	0.00382731	0.00441095	0.089419
32.216	0.292128715	0.06449198	0.0038349	0.00995344	0.00368445	0.01055224	0.10875404
33.2579	0.320220071	0.03899161	0.00390486	0.00847759	0.0037545	0.00643927	0.14122915
32.3461	0.26068879	0.22039307	0.00238193	0.00204974	0.00228473	0.00525428	0.15669473
32.6493	0.326194012	0.09557131	0.00489032	0.01461178	0.00468094	0.00543061	0.11505609
33.507	0.192308377	0.0597932	0.01706476	0.06252715	0.00546495	0.00834392	0.0571409
33.0069	0.20704452	0.15111731	0.00212982	0.00181436	0.00203751	0.00474737	0.12249467
33.2224	0.129288973	0.04551167	0.00205678	0.007053	0.00394305	0.00455353	0.05771243
32.3163	0.262026425	0.05784808	0.00343819	0.00893167	0.0033033	0.00946565	0.09754687
33.1227	0.053539242	0.0125232	0.0016997	0.00292879	0.00163085	0.00187739	0.01940653
32.6309	0.161515544	0.04186725	0.00662571	0.01522407	0.00635747	0.0073179	0.07441728
32.7275	0.152492618	0.03819912	0.03290322	0.01776612	0.01058781	0.00596196	0.06666978
31.4557	0.167124937	0.05988696	0.00333857	0.08348592	0.00641536	0.01292244	0.08765241

32.2503	0.295274779	0.07029071	0.00572873	0.00824137	0.00366331	0.01052848	0.10686755
31.4132	0.136109874	0.02331241	0.012627	0.02571807	0.01361337	0.00349623	0.05120289
33.1438	0.365264254	0.04506379	0.00428355	0.01110268	0.00616469	0.00707965	0.15866998
32.0021	0.176713576	0.01594654	0.01512016	0.03173745	0.02577666	0.0111575	0.08971132
31.8864	0.042927884	0.01003725	0.00160201	0.00286426	0.00155098	0.0017337	0.01809266
31.3853	0.179213166	0.05911198	0.0017516	0.00300253	0.00167835	0.0077625	0.09667321
32.4565	0.155878234	0.04846305	0.01392998	0.05068365	0.00442866	0.00675566	0.04631858
32.209	0.014115343	0.02119606	0.00446743	0.0096482	0.00214885	0.00247093	0.00643151
31.7794	0.568215544	0.17623614	0.00169043	0.00288994	0.00161988	0.02242474	0.27144095
32.1363	0.182665406	0.0584868	0.02620288	0.06821864	0.00537282	0.00814754	0.0589063
31.2316	0.056609509	0.01744814	0.00150737	0.0025724	0.00144392	0.00167108	0.01333737
31.9196	0.24929581	0.16046223	0.0021156	0.00183359	0.00203308	0.0069968	0.06226385
31.7197	0.176140137	0.19316459	0.00244307	0.00210187	0.00234323	0.00810212	0.06382675
32.8081	0.248311855	0.04170001	0.00282798	0.00490454	0.00271675	0.00624122	0.06893747
33.5345	0.25638177	0.01447064	0.00086656	0.00123711	0.00055536	0.03242299	0.0921563
31.0776	0.142827583	0.00975772	0.00369675	0.10985289	0.01595368	0.01435313	0.06832434
31.4752	0.161316983	0.03011026	0.00178266	0.00761961	0.0034139	0.0059341	0.08834143
32.2069	0.140046292	0.04052903	0.00240952	0.00209646	0.00116384	0.00132854	0.04832099
32.1024	0.780819359	0.06580392	0.00464606	0.00807817	0.00335475	0.06753021	0.97470109
32.4728	0.07916328	0.04347679	0.00411633	0.01052612	0.00393938	0.00228648	0.04375292
31.9198	0.24628758	0.03756426	0.0066727	0.00949534	0.00425234	0.01233689	0.0939991
32.3428	0.055467263	0.01716654	0.00162953	0.00278239	0.00156107	0.00180621	0.01265357
31.0173	0.019939201	0.02566458	0.00221893	0.00762452	0.00212868	0.00245182	0.01009253
31.6426	0.347670136	0.18426885	0.00164018	0.00281088	0.00157022	0.016443	0.1681252
32.0419	0.26670189	0.06823541	0.00404211	0.01041247	0.00387494	0.01118937	0.11035023
30.9046	0.460334921	0.11477772	0.00513166	0.005874	0.00163972	0.00378666	0.20022664
32.2812	0.203629209	0.02291456	0.00545214	0.00786738	0.0034891	0.00399848	0.09146392
30.894	0.303473027	0.05092387	0.00415132	0.00716379	0.00265732	0.02134146	0.10641469
31.5544	0.166353307	0.06478621	0.58014198	0.07218072	0.00656306	0.01320344	0.05778839
31.9789	0.172344706	0.02582814	0.00376821	0.00806083	0.00361008	0.00417626	0.05444736
31.4425	0.355110401	0.21663418	0.00236086	0.00203714	0.00226613	0.0104437	0.22597951
31.4302	0.309805491	0.02963119	0.00526622	0.00750076	0.00335561	0.00972883	0.07262364
32.0825	0.125926643	0.01628507	0.00155453	0.00680094	0.00299533	0.00170128	0.06192002
31.9677	0.043834883	0.01024856	0.00164257	0.00291848	0.00159025	0.0017776	0.01847591
31.5045	0.107310233	0.04114038	0.01563813	0.08242921	0.00751317	0.00862664	0.03716657
31.5211	0.258124555	0.03208882	0.00383726	0.00676722	0.00370452	0.00626973	0.10946162
30.6468	0.043904772	0.0135819	0.00161687	0.00280797	0.00155458	0.00177763	0.0181908
31.1786	0.179423025	0.05774563	0.0051333	0.08634015	0.00654626	0.01516582	0.09761358
31.1163	0.057797269	0.03465295	0.00345991	0.00896467	0.00831234	0.00381829	0.02292138
30.5722	0.156536194	0.07195923	0.00402801	0.00697846	0.00387035	0.00443484	0.08610418
31.0915	0.172195759	0.06278506	0.02556086	0.07355803	0.006545	0.00939563	0.05999038
32.1426	0.110991036	0.03741602	0.00394226	0.00505031	0.00188249	0.00655617	0.08430551
32.3352	0.124498357	0.04756643	0.00187431	0.00320505	0.00179478	0.00832941	0.08070449
32.5421	0.276894224	0.11453802	0.00382295	0.00332425	0.00183851	0.00419951	0.09696354

30.9636	0.128523066	0.05398136	0.00204709	0.00350652	0.00196111	0.00226896	0.04321261
31.3097	0.316077585	0.08904694	0.00230438	0.00203202	0.00222468	0.00751906	0.08758758
31.616	0.270855156	0.05374589	0.00444399	0.00964905	0.00427247	0.00733545	0.17108825
31.0236	0.150103154	0.04046147	0.01463447	0.0489033	0.00526427	0.00807836	0.04198424
31.5528	0.098496271	0.03502464	0.00174203	0.00298528	0.00166778	0.00193363	0.03258635
30.3575	0.123746759	0.08935003	0.03973274	0.02351041	0.00409918	0.00623174	0.05908172
31.0392	0.022086177	0.0308153	0.00224158	0.00573662	0.0021452	0.00249028	0.00978381
31.5911	0.05791284	0.02530494	0.01290404	0.01895147	0.13425926	0.00408688	0.03891893
31.9974	0.488749648	0.15784022	0.00207835	0.00354036	0.00198945	0.02304375	0.2545458
31.3914	0.147676518	0.04177363	0.00240945	0.00209693	0.00115411	0.00131713	0.05124123
31.3173	0.178211618	0.0412926	0.0056047	0.00809671	0.00359663	0.00823195	0.08324494
30.2535	0.104105295	0.02650278	0.0022822	0.00388702	0.00218437	0.00253467	0.03240181
30.6523	0.120816967	0.01110622	0.00301894	0.21740106	0.01164153	0.01658072	0.0901794
31.2897	0.300994565	0.07352575	0.00398859	0.00862176	0.00382958	0.01100851	0.11080897
30.7746	0.11889466	0.04558424	0.01732709	0.09133591	0.00832408	0.00955773	0.0411768
31.7404	0.200775598	0.07160208	0.0010797	0.00183857	0.00103403	0.00477885	0.06663364
31.2509	0.155241692	0.08480811	0.0058847	0.01854187	0.00375807	0.00217408	0.06747193
31.235	0.323381778	0.19723844	0.00230303	0.00196216	0.00220328	0.00512083	0.10486045
32.2786	0.12571082	0.04425522	0.00199568	0.00686072	0.00383569	0.00442955	0.05611118
30.1721	0.199654831	0.02506318	0.00364674	0.00624468	0.00349202	0.00404601	0.06441104
31.2371	0.082238699	0.06991392	0.0076436	0.02191471	0.00738026	0.00207802	0.04614718
30.9378	0.315504914	0.12667688	0.00214596	0.00186105	0.00206259	0.0071057	0.13690811
30.3175	0.352984055	0.21533769	0.00235069	0.00202836	0.00225637	0.01037632	0.22462611
30.134	0.031864516	0.00643438	0.00306105	0.00796997	0.00146647	0.00167761	0.01899163
30.6513	2.147642505	0.06683407	0.00809322	0.00927813	0.00387572	0.01789996	0.46175315
30.3399	0.182687122	0.03386815	0.00199729	0.00682474	0.00383143	0.00667249	0.10099226
31.5487	0.153304426	0.03892552	0.00142525	0.00244163	0.00135695	0.00628276	0.08833942
30.6335	0.410638017	0.02994985	0.00261516	0.01051475	0.00380048	0.1122964	3.25867435
31.4457	0.619817202	0.02946023	0.00366754	0.00534686	0.00235936	0.04679659	1.54661756
30.6617	0.165111747	0.0585908	0.26752591	0.07730915	0.0083134	0.00769595	0.05123577
29.9273	0.289855803	0.0827525	0.00691017	0.00978956	0.00440561	0.00768885	0.1486104
31.282	0.071965797	0.02559586	0.00186382	0.00319183	0.00178542	0.00206611	0.01656723
31.5962	0.15567556	0.03686084	0.00349203	0.00300059	0.00167899	0.00580032	0.07105376
30.4803	0.033294833	0.03649547	0.00193157	0.003363	0.00185839	0.00212039	0.01504397
30.8278	0.155315669	0.05100203	0.00373239	0.00809974	0.00358776	0.0041056	0.06609021
31.4289	0.212726093	0.03570058	0.00242227	0.00417479	0.00232428	0.00535027	0.07549831
30.8937	0.475351359	0.04816077	0.00584609	0.01301991	0.00336595	0.07085682	0.54713858
30.0799	0.221223385	0.10573678	0.01159068	0.01332868	0.00555785	0.00638994	0.14449104
30.7672	0.212224522	0.02497702	0.01185659	0.03065995	0.02275536	0.01309238	0.08738445
30.759	0.11729994	0.02855963	0.0041569	0.01065174	0.00596795	0.00461692	0.05227903
31.0191	1.574604301	0.02366578	0.00237095	0.00510318	0.00227602	0.0378577	0.81701463
30.4671	0.159236775	0.07250857	0.00430435	0.00928393	0.00413199	0.00474912	0.08933988
29.808	0.224743094	0.03738835	0.00321935	0.00686422	0.00308176	0.00536158	0.06875649
30.0449	0.209751516	0.02784561	0.00884914	0.18606603	0.01194309	0.02130821	0.12625539

30.803	0.210565925	0.0279521	0.00888978	0.18678638	0.01199203	0.02139714	0.12674212
32.2064	0.067680365	0.03550296	0.00419765	0.01075616	0.00200882	0.00233108	0.03786613
31.0092	0.323547852	0.14341951	0.00205714	0.00176292	0.00197104	0.0091285	0.12856287
30.4339	0.2337971	0.03531489	0.00743554	0.00954266	0.00356067	0.01030228	0.08221733
29.6878	0.167178698	0.03676389	0.00916023	0.01405054	0.00525546	0.00203797	0.06495577
31.1348	-0.00585799	0.00316742	0	0	0	0	-0.02392027
30.5938	0.157425244	0.11779106	0.00198713	0.00338592	0.00190105	0.00441852	0.09379398
30.8467	0.007873441	0.01659354	0.00699293	0.01053996	0.00838739	0.00193488	0.00597165
30.5942	0.122854094	0.05918893	0.02619549	0.08199225	0.00717472	0.0082784	0.04646447
29.619	0.167203429	0.05370764	0.01931657	0.06175913	0.00504549	0.00778013	0.04622276
29.604	0.211792758	0.09056748	0.00209644	0.00180774	0.00201196	0.00231444	0.05897571
30.6407	0.041067158	0.00960407	0.00153104	0.00273777	0.00148227	0.00165689	0.01731278
29.5949	0.156843446	0.02566238	0.00244096	0.00634948	0.00234601	0.00537192	0.07184207
30.3754	0.046479841	0.01756264	0.00369692	0.01425488	0.00177577	0.00205426	0.02571801
29.573	0.299119401	0.14655302	0.00207646	0.0017876	0.00199194	0.01147292	0.10994512
30.3822	0.042228175	0.01305829	0.00155586	0.00270201	0.00149591	0.00171055	0.01749186
29.9903	0.120298736	0.21874085	0.0014782	0.00188653	0.00071129	0.00990402	0.05366384
30.9182	0.141395263	0.02435643	0.01232771	0.02517219	0.01625542	0.00341033	0.05152846
29.7448	0.137198038	0.01884848	0.01136343	0.61273322	0.01556674	0.01617634	0.0732434
29.9428	0.14854388	0.04440684	0.06482979	0.07046998	0.00724144	0.0066445	0.04667232
29.926	0.188532295	0.27320717	0.00151861	0.00193357	0.00072127	0.0092654	0.05209882
30.9203	0.212137017	0.03473211	0.00520229	0.00894235	0.00332882	0.00766871	0.08622995
29.9172	0.20465048	0.05677614	0.0026182	0.00895417	0.00376458	0.04801976	1.10205884
30.2019	0.197217575	0.07106729	0.02310373	0.07764411	0.00737829	0.01278371	0.04793497
30.6621	0.117209234	0.05969803	0.00182233	0.0031411	0.00174738	0.00201576	0.06089044
30.0596	0.117633237	0.0094331	0.00897105	0.34389915	0.01293133	0.01481195	0.08249312
29.6316	0.126130552	0.02543767	0.00343389	0.00733233	0.00328578	0.00381611	0.05329673
30.397	0.161235086	0.03621501	0.00190394	0.00491388	0.00182526	0.00633223	0.07947829
31.2466	0.122392115	0.0125188	0.00297035	0.16485755	0.01000727	0.01802696	0.08608191
29.5764	1.919418825	0.03369281	0.00383687	0.0044124	0.00245131	0.03673846	0.58828406
29.755	1.457607581	0.04128386	0.00733421	0.00836128	0.00351154	0.032537	0.41963322
31.4879	0.780495495	0.05647717	0.00622157	0.01068407	0.00477229	0.12683219	0.8663313
30.4911	0.288272849	0.09302941	0.00172133	0.00295503	0.00164871	0.00957747	0.12440543
31.4994	0.064063276	0.02799238	0.01427898	0.02095738	0.14851351	0.00451589	0.04304779
31.0929	0.248719897	0.03570613	0.00634586	0.01265947	0.00404826	0.01172783	0.09191032
30.8346	0.042817731	0.0093045	0.00147438	0.00256243	0.00141786	0.00162024	0.01755592
29.1744	0.565612895	0.39036033	0.00410706	0.00466791	0.00130623	0.01218516	0.24403019
29.9553	0.16312394	0.05524196	0.00490827	0.08699203	0.00627478	0.01449297	0.0705445
30.6405	0.023928812	0.02224261	0.00175956	0.00458493	0.00508287	0.0019364	0.01347655
30.832	0.189036107	0.05407205	0.01327402	0.05460642	0.00637247	0.00730144	0.05445554
31.1526	0.198630952	0.05044026	0.00415565	0.01066907	0.00398028	0.01152043	0.08984554
30.3917	0.20639412	0.03754901	0.00396675	0.0085949	0.00381201	0.00218302	0.07108633
29.5344	0.216199161	0.02527022	0.00300243	0.00646334	0.00431645	0.00496845	0.08318234
29.6269	0.50732033	0.03403875	0.00387767	0.00668321	0.00248054	0.04425194	1.36035348

29.871	0.188261857	0.08453883	0.00444367	0.01133386	0.00424971	0.00494416	0.07193016
28.9964	0.377021329	0.29822807	0.00201812	0.00257414	0.00192974	0.04931401	0.17270293
28.9896	0.195059756	0.0297598	0.00165862	0.14930296	0.00958295	0.0201842	0.11896784
29.7086	0.188289231	0.05153635	0.00377286	0.00490786	0.00180868	0.00414891	0.08144048
28.9807	3.085002853	0.06405449	0.00372496	0.00535054	0.00238291	0.07812397	0.51380177
29.3066	0.159422204	0.05615671	0.48407541	0.07248272	0.00636969	0.00922107	0.03745046
29.2452	0.311344163	0.04807471	0.00404444	0.00706781	0.00259344	0.0206694	0.11583695
29.2617	0.151764626	0.05292081	0.10419853	0.06703914	0.00750222	0.00694543	0.03555874
29.8908	0.260711304	0.1071084	0.00357193	0.00461753	0.0017093	0.00590802	0.09335568
29.4091	0.718904451	0.13355488	0.00558966	0.00640022	0.00178621	0.0102984	0.26700803
30.1551	0.157701832	0.02971209	0.01692444	0.01459183	0.01263799	0.00622485	0.05609239
29.0309	3.066850826	0.02829622	0.01072479	0.01376808	0.00513174	0.02575609	0.70762375
30.6602	0.091390865	0.02250862	0.00163951	0.00421717	0.0015711	0.00363208	0.0302626
29.5378	0.233077002	0.03420942	0.01022058	0.02612365	0.01955756	0.01325218	0.11371888
29.1038	0.072353206	0.03308839	0.01373346	0.02360946	0.04514971	0.00433513	0.04990887
29.4946	0.056925838	0.0248642	0.01269016	0.01862005	0.13195672	0.00401914	0.03824583
29.0784	0.084134556	0.03108113	0.01104156	0.01888082	0.02819164	0.00407867	0.0457385
29.8674	0.204915505	0.02681526	0.00508892	0.00731335	0.0032617	0.00375471	0.08633794
28.7054	0.080830923	0.03087529	0.00559513	0.00484153	0.0026873	0.00153544	0.04075154
30.6156	0.069939828	0.03109466	0.01262746	0.02345822	0.092781	0.00465894	0.04583741
28.7121	0.11691431	0.06100077	0.37230418	0.03589755	0.00434148	0.00754287	0.04839696
29.3061	0.289649538	0.11038515	0.00186313	0.0016007	0.00178633	0.00206128	0.14447419
29.0923	0.440302771	0.04120371	0.0040268	0.01025521	0.00384877	0.0927336	0.8972457
29.4057	0.148655181	0.05917668	0.00148411	0.00129314	0.00142822	0.00325661	0.05981422
28.5778	0.145382472	0.04790439	0.00182066	0.00789749	0.00349916	0.0040082	0.04979865
29.1776	0.089216183	0.02195031	0.00159858	0.00412521	0.00153232	0.00353911	0.02967551
29.0033	0.208749333	0.03394149	0.00339763	0.15286549	0.01141434	0.02057185	0.11803811
28.5037	0.198361242	0.04753727	0.00482817	0.00549749	0.00308251	0.01069996	0.04883992
29.2629	0.218474344	0.04052614	0.00605263	0.00688045	0.00193051	0.0067264	0.05816772
28.4882	0.031781853	0.03483028	0.00184007	0.00321255	0.00177036	0.00201995	0.01436154
29.1909	0.260011728	0.03790559	0.00684422	0.00732514	0.00327813	0.0113697	0.08352038
28.4791	0.28960959	0.09291242	0.01048014	0.0179476	0.00601971	0.00696603	0.13148401
29.4442	0.258953416	0.03696535	0.00503149	0.00877181	0.00322839	0.00735863	0.11122602
29.7464	0.327640531	0.07842653	0.00620065	0.00886468	0.00396276	0.01142635	0.11620431
28.8066	0.391733338	0.04519021	0.00245252	0.00740034	0.00235394	0.08930553	1.43327727
28.7971	0.132750363	0.23691871	0.00145727	0.00185756	0.00069216	0.00162037	0.11048402
29.416	0.161411096	0.05104593	0.45868125	0.07984027	0.00638927	0.00925446	0.03619847
29.3355	0.119285336	0.04077714	0.00175253	0.00149482	0.00167712	0.00779983	0.06881493
29.9113	0.103402191	0.01980548	0.00267874	0.00573595	0.00256576	0.00297028	0.05123578
28.6702	0.168912526	0.07710214	0.68785326	0.05875645	0.00653442	0.0112767	0.06461459
28.8505	0.131523014	0.04446867	0.00337129	0.00577144	0.0032292	0.00373795	0.08219517
28.8377	0.123530261	0.01597619	0.00152405	0.00666759	0.00293659	0.00166792	0.06074273
28.9127	0.250039186	0.11083686	0.00158868	0.00136146	0.00152219	0.0070523	0.09935255
28.6438	0.175488158	0.07619096	0.20940357	0.058857	0.00675229	0.01171247	0.06478357

28.4545	0.210368981	0.04263033	0.00527351	0.14508186	0.01011347	0.02139475	0.09558041
29.9914	0.052972102	0.02892444	0.00228286	0.00387797	0.0021835	0.00253925	0.02460879
29.9349	0.071217543	0.03257322	0.01351967	0.02323318	0.04443708	0.00426757	0.04912611
28.8364	0.617322104	0.09193358	0.00556802	0.00639445	0.00177701	0.00410669	0.25745601
29.6315	0.669350636	0.04801591	0.00248591	0.00550812	0.00240267	0.07426373	2.42141829
29.0773	0.383248323	0.04089654	0.0084455	0.01166857	0.00486493	0.00931585	0.11884848
29.3234	0.133681627	0.06975202	0.42568992	0.04104197	0.00496587	0.00861559	0.05533988
28.3454	2.609455314	0.06836454	0.00720049	0.00862645	0.00276115	0.10370886	0.34600061
28.6948	0.314919082	0.03093248	0.00689662	0.00883595	0.00329667	0.00956473	0.07010604
28.3551	0.113449401	0.08400739	0.00398868	0.01378715	0.00191473	0.00219976	0.04727375
29.5548	0.44119072	0.11152443	0.00635005	0.00972769	0.00306395	0.04518243	0.14309792
28.8626	0.044342732	0.01370897	0.00162701	0.00283495	0.0015644	0.00178856	0.01838149
28.8651	0.285266962	0.16893118	0.00174233	0.00296366	0.00166738	0.00772039	0.15720184
28.0769	0.144051526	0.01978285	0.01193364	0.64335078	0.01634752	0.01698798	0.07690354
30.089	0	0	0	0	0	0	0
28.1427	0.109793671	0.06396579	0.04462793	0.04108214	0.00501536	0.00586317	0.04944649
29.2955	0.553292398	0.07037834	0.00243761	0.00535814	0.00235043	0.07608274	2.04251781
29.1737	0.606304777	0.03149607	0.00391247	0.00684406	0.00251503	0.05005331	1.73197173
28.9336	0.571252833	0.10285521	0.00325647	0.00421362	0.00156278	0.0035943	0.23812384
28.863	0.179461811	0.04284617	0.0024637	0.01587234	0.00472478	0.03814067	0.3383001
28.1788	0.189807799	0.01981721	0.01194752	0.02774412	0.01960866	0.01513498	0.07306894
27.9863	0.416071309	0.197991	0.00205787	0.00175785	0.00098504	0.01029118	0.15147911
28.6039	2.676042722	0.07913034	0.0051882	0.00560741	0.00249187	0.05572371	0.26560157
29.3224	0.467836064	0.20483652	0.00146463	0.00253904	0.00140754	0.01611954	0.19801415
28.0582	0.905293308	0.02280491	0.00617867	0.00798101	0.00444262	0.01366876	0.18269757
28.982	0.13712402	0.04041845	0.00604244	0.00686308	0.00193051	0.00671508	0.04341544
29.3123	2.215647554	0.03928635	0.00664856	0.0091367	0.00382619	0.12957756	0.29409301
28.384	0.976141944	0.02485725	0.00627545	0.00603094	0.00225293	0.09665425	0.35436981
28.6657	0.250194765	0.0329571	0.0068212	0.01069426	0.00394197	0.01048763	0.06558239
28.2832	0.158653508	0.04292251	0.00369847	0.01785809	0.0047099	0.03828539	0.29172921
28.552	0.204791918	0.03755137	0.00338214	0.00723334	0.00323809	0.0056308	0.09118647
29.6586	0.118517671	0.045286	0.00178263	0.00305699	0.00170699	0.00793385	0.07682977
28.5491	0.870269699	0.01536816	0.00728158	0.00998266	0.00418593	0.00484123	0.45277512
27.7536	0.152833175	0.01857256	0.00351464	0.21266159	0.018521	0.01561653	0.07424689
28.6767	0.332827863	0.14753532	0.00211824	0.00181528	0.00202959	0.00938803	0.13224679
28.6383	0.344080422	0.34373468	0.00229366	0.00291737	0.00109135	0.02802348	0.19617543
28.6574	0.112770527	0.02102984	0.01160551	0.01838864	0.03173817	0.00367934	0.03071092
29.0802	0.286499499	0.04643736	0.00381947	0.00654701	0.00365843	0.00848132	0.07205909
28.6509	0.794267615	0.06694621	0.00471722	0.00821974	0.00340365	0.06869106	0.99148566
30.0637	0.140979818	0.03951313	0.00556387	0.07836558	0.00802427	0.00459127	0.03998387
28.299	0.185157407	0.02599216	0.01053773	0.02541281	0.01511903	0.01172057	0.09100696
27.8206	0.652568075	0.04505293	0.00490179	0.0063808	0.0023561	0.07813637	1.70751291
29.3981	0.085777695	0.02319857	0.00084442	0.0014691	0.00081099	0.00280335	0.04287003
30.0426	0.689606441	0.20381406	0.00174125	0.00298737	0.00166881	0.02505516	0.31971545

27.9857	0.684495284	0.07322463	0.00334517	0.00282888	0.00106145	0.19912914	0.29054257
28.0043	1.739550742	0.01708892	0.01321977	0.0162332	0.00561378	0.02942783	0.76260618
27.5338	0.113397118	0.02292141	0.01334895	0.01990497	0.02074693	0.00370388	0.02987838
28.0544	0.341710613	0.04020458	0.00830385	0.01145758	0.00478614	0.00916433	0.06766858
28.0398	0.384871756	0.33131885	0.0022933	0.00292109	0.00109159	0.01273885	0.25763236
27.6742	2.603556213	0.07268219	0.00562095	0.00602654	0.00269347	0.05916953	0.34156449
28.825	0.099745826	0.02079781	0.00328112	0.00978911	0.00313943	0.00364677	0.04721577
28.5592	0.294905116	0.22144373	0.00301489	0.00258008	0.0009658	0.00111817	0.07905397
27.3926	0.245638253	0.04306643	0.00582614	0.01163523	0.00371681	0.01077598	0.08599249
28.3495	0.333146934	0.10706877	0.00206707	0.00177338	0.00198113	0.00228884	0.10330045
28.5172	0.052707358	0.03115435	0.0021094	0.00179726	0.00201806	0.0023451	0.02396179
28.0729	0.421913849	0.04472093	0.009099	0.01305689	0.00436521	0.02511406	0.11218436
27.8623	0.21433159	0.40641004	0.00358957	0.00303842	0.00085707	0.01002573	0.10039989
27.5276	0.05579218	0.03500143	0.00414519	0.00354954	0.00264401	0.00305954	0.02224924
28.4463	0.207283155	0.03448798	0.00233235	0.0039937	0.00223418	0.00646985	0.07315829
28.1447	0.204971651	0.03440411	0.00296338	0.00508097	0.00283963	0.00656542	0.08689466
27.2308	0.133347457	0.04336261	0.00342291	0.00584906	0.00327707	0.00379924	0.08459233
27.8068	0.089635323	0.01990434	0.00515102	0.01181031	0.00494002	0.00189099	0.03601564
27.9102	0.078155024	0.02104973	0.00999988	0.01442934	0.00320528	0.00489728	0.03771443
28.8551	0.122191102	0.07741829	0.05402731	0.03450684	0.0050686	0.00577006	0.05833532
28.2325	0.159720463	0.0622029	0.55702078	0.06930297	0.00629937	0.0126753	0.0430948
27.161	0.058990133	0.03798663	0.00150412	0.03820283	0.00871861	0.0049563	0.04303918
28.5086	1.957192667	0.05144925	0.01004855	0.01110095	0.00412913	0.1921361	0.35049509
27.3355	0.600024621	0.0949037	0.00310501	0.00399944	0.00148386	0.00343408	0.2453132
27.9342	0.050419655	0.01323255	0.0015691	0.00266846	0.00150164	0.00174316	0.0128023
27.1299	0.04474856	0.00801911	0.00571781	0.01482878	0.00366397	0.00209724	0.02766285
27.796	1.014101016	0.08163556	0.00263507	0.00568186	0.00253059	0.06087483	1.34045544
27.1057	0.155221759	0.11268145	0.00382597	0.00495498	0.00550955	0.00422063	0.04744204
27.0884	0.309751203	0.17368086	0.00139472	0.0023978	0.00133742	0.00772415	0.18634157
27.6035	1.958121065	0.01483602	0.00892877	0.00867504	0.00243651	0.16318872	0.75982396
27.0537	0.107670553	0.03818306	0.00749321	0.0128758	0.0035922	0.01658014	0.14940838
27.4756	0.179854578	0.17663347	0.00278265	0.00236552	0.00088686	0.01961836	0.06960908
28.3886	0.17296107	0.06030736	0.11875409	0.07640196	0.00854609	0.00791666	0.05341716
27.635	0.161235076	0.04333606	0.02737538	0.06302426	0.00655675	0.00948086	0.03807567
26.9389	0.416027669	0.24614666	0.00259825	0.00221599	0.00124807	0.01445713	0.2828044
27.1447	0.314213825	0.05993135	0.00316526	0.00408686	0.0015137	0.00349581	0.12111924
26.9131	0.095667167	0.06000392	0.03205053	0.01883502	0.00471611	0.00412216	0.03613172
27.3671	0.223802045	0.06231295	0.01333221	0.02119633	0.00547317	0.00422317	0.10350052
27.9337	0.260588684	0.05401039	0.00255787	0.01196957	0.00366548	0.05254429	0.68043008
26.791	0.181189723	0.05336868	0.03304554	0.06979375	0.00744226	0.0086244	0.04603826
27.3412	0.164317651	0.03774294	0.00740158	0.01272711	0.00355316	0.01638866	0.14768776
26.7141	0.926136241	0.05043816	0.00334282	0.00356511	0.0007993	0.05957719	0.31415763
27.6489	0.263008968	0.10379464	0.00251596	0.00215186	0.00120959	0.00558177	0.1014508
26.9123	0.415347692	0.01598789	0.00285757	0.00413161	0.00182827	0.03555848	0.65505032

27.1925	0.203244099	0.2781799	0.00098146	0.00109038	0.00031057	0.02379216	0.08041263
26.8666	0.100322446	0.07289215	0.00376818	0.00968424	0.00361013	0.004176	0.07763061
27.2811	0.136481267	0.1216969	0.00384902	0.00824685	0.00736828	0.0042619	0.04633315
27.4698	0.086177108	0.0421977	0.01036023	0.08724339	0.00566674	0.00656879	0.0292883
26.9677	0.235160125	0.05991062	0.00293391	0.00919164	0.00280893	0.04233343	0.88748808
27.6293	1.707783451	0.01976382	0.00719198	0.0098378	0.00413552	0.025561	0.45656395
26.4593	0.148700185	0.09175936	0.04255438	0.01735185	0.00419638	0.00491183	0.05257622
26.4358	0.066915352	0.02491832	0.01350761	0.00872548	0.00324164	0.00186753	0.03362319
27.1676	0.613168519	0.02301977	0.00363569	0.00415371	0.00232227	0.05638977	0.78794524
27.2925	0.475334132	0.15698116	0.00297443	0.00254325	0.00094617	0.01429628	0.21441346
30.3476	0.929349042	0.13095152	0.00359874	0.00305421	0.00114971	0.15793135	0.34922492
26.3392	0.178442192	0.04131596	0.0091193	0.01556489	0.00498258	0.01303013	0.07740072
26.3364	0.413779942	0.20411017	0.00286267	0.00244542	0.00137516	0.01588865	0.26479286
28.9108	0.501778901	0.26213321	0.00304094	0.00396052	0.00146632	0.01506097	0.24808892
26.4415	0.179229928	0.43672864	0.00182586	0.00230836	0.0008665	0.00204037	0.1435374
26.3098	0.090318597	0.07361043	0.0052479	0.01062911	0.00336276	0.00192457	0.03920686
26.2715	1.421799415	0.01346321	0.01066347	0.00920998	0.00306754	0.19517885	0.31537808
26.4478	0.087806391	0.05323133	0.18874357	0.02544514	0.00315275	0.00607282	0.04695988
26.4926	0.322682042	0.09762587	0.00161968	0.00276909	0.00155088	0.01259191	0.14915733
26.3082	1.230571611	0.02067251	0.00754287	0.00778653	0.00289003	0.02001727	0.20449085
26.2435	0.184503777	0.0362652	0.0102996	0.02198958	0.04272699	0.00762252	0.06498703
26.842	0.459844531	0.25851971	0.00209732	0.00270245	0.0010054	0.01275204	0.29176289
27.2975	0.020611589	0.02978575	0.00529498	0.01513895	0.01014961	0.00195062	0.00593295
26.9477	0.347128512	0.40337487	0.00416735	0.00266812	0.00099457	0.06256764	0.11588366
26.2208	0.15892789	0.03805432	0.00962175	0.01652229	0.00461668	0.00665994	0.1149843
26.2068	0.981430709	0.08509702	0.0075658	0.0108137	0.00483074	0.1018911	0.72661467
26.7343	0.376370893	0.56146337	0.0012028	0.00204432	0.00057497	0.03820145	0.15296662
26.1686	0.077459522	0.07104556	0.00118124	0.0081036	0.00226399	0.00392497	0.06807554
26.1362	0.263432426	0.17704453	0.00262657	0.00225767	0.00125931	0.01015666	0.18173238
27.5342	0.714198115	0.09803994	0.00223085	0.00254299	0.00071205	0.06675134	0.34272105
26.3419	0.056663503	0.03395389	0.00119969	0.00937557	0.00345235	0.01051754	0.09309061
27.8676	0.079937567	0.03170095	0.13725175	0.03369046	0.00375808	0.00867375	0.03758911
27.1218	0.41743053	0.165127	0.00249614	0.00320022	0.00119946	0.02083096	0.27892248
27.4897	0.351057736	0.03746886	0.00773323	0.01069326	0.00445463	0.00853018	0.10886752
26.8607	0.07117244	0.01847047	0.0016061	0.00278985	0.0015456	0.00526432	0.03175923
26.4722	0.211832122	0.04457171	0.00361723	0.01232971	0.00461191	0.0441797	0.36885814
26.9795	0.617220743	0.04534725	0.00479037	0.0051943	0.00230692	0.01714517	0.34067659
26.4065	0.162435435	0.07561337	0.70257688	0.06008441	0.00624576	0.01262965	0.0620112
26.2629	0.347097874	0.66085707	0.00226121	0.00387817	0.00108284	0.00250774	0.19539522
26.7315	0.232764288	0.05396419	0.00323454	0.00576338	0.00313129	0.0122589	0.07289492
26.4201	0.374723999	0.0357787	0.00362727	0.00928301	0.00347132	0.07522843	0.89456081
26.2942	0.199993297	0.03710438	0.00458369	0.00522755	0.00292645	0.00338956	0.03881564
26.5322	0.224060357	0.07035758	0.0046472	0.01186051	0.00444506	0.02065262	0.1370362
26.933	0.425250639	0.22106333	0.00170932	0.00295409	0.00164135	0.00753883	0.19044927

27.0107	0.922272002	0.03344667	0.00411148	0.00461843	0.00130429	0.17947154	0.33344649
25.8951	0.276870453	0.23940372	0.00195679	0.00248938	0.00093576	0.01519249	0.13653061
26.5121	0.181270134	0.06703475	0.03078853	0.06628968	0.00693052	0.00806066	0.05470112
26.6493	0.090098332	0.0322538	0.00152843	0.00259776	0.00146253	0.00169848	0.02490042
26.3984	0.182693263	0.0372854	0.00838927	0.01853331	0.02887415	0.00560747	0.06189038
26.6405	0.145485942	0.0404232	0.01317832	0.02242213	0.00503912	0.08653116	0.2158739
26.3407	0.037444618	0.02371681	0.01212182	0.00895303	0.00166014	0.0019111	0.01979698
25.7707	0.456610731	0.29358238	0.00284136	0.00364732	0.00135627	0.01886916	0.21960906
26.2085	0.432717047	0.20591109	0.00213937	0.00182747	0.00102405	0.01069831	0.15753415
26.4324	0.023309602	0.05357239	0.01144922	0.01753963	0.00488329	0.00140455	0.01189604
25.6872	1.267688055	0.0296009	0.00623166	0.00623828	0.00199094	0.24048228	0.4556067
25.8435	0.302741219	0.13179103	0.00215884	0.00185117	0.0010344	0.0059666	0.11076118
25.8866	0.244421938	0.13214388	0.00162146	0.00137222	0.00076939	0.00722727	0.0887567
26.0002	0.112545082	0.03136765	0.00283926	0.01957449	0.00953284	0.00625665	0.05868275
26.5196	0.975960961	0.03539439	0.00435633	0.00489364	0.00138215	0.18991324	0.49242454
26.5856	0.009912988	0.00908078	0.0258038	0.18916095	0.01059223	0.00681751	0.02027081
26.8191	0.126243219	0.05320208	0.00592817	0.07986707	0.00567741	0.0049371	0.04012948
26.6778	0.034696071	0.01864198	0.09150447	0.02028527	0.00268899	0.00615744	0.04216927
26.5958	0.030922181	0.02270629	0.00287183	0.01475864	0.00824528	0.00636375	0.01760119
26.8875	0.310990906	0.16358457	0.00121187	0.00207725	0.00116117	0.0080561	0.11075279
25.5818	2.794954207	0.04871969	0.01154826	0.0127178	0.00474235	0.03471544	0.55612724
25.9711	0.504642535	0.06863713	0.00304055	0.00791152	0.00292337	0.03006382	1.01560834
26.1426	0.124074584	0.04076111	0.1773416	0.0591287	0.00518294	0.00879114	0.04311596
25.5369	0.712231164	0.24505979	0.0031376	0.00402191	0.00150204	0.01914066	0.28795123
26.138	0.110581799	0.07675537	0.00376564	0.00541236	0.00241224	0.01664432	0.0335091
26.0032	0.174334867	0.04986825	0.01223651	0.05035912	0.00588378	0.00674152	0.05022155
27.1217	0.396679427	0.06499908	0.00392392	0.01112488	0.00375256	0.08584762	0.68411208
25.5441	1.103685619	0.07927109	0.00317687	0.00272631	0.00101501	0.07148039	0.37140562
26.413	0.134673153	0.04437914	0.70383284	0.06623949	0.00557512	0.00802211	0.04375156
26.6288	0.20080339	0.02607824	0.00494009	0.00986453	0.00315092	0.00730907	0.08557715
27.1321	0.303555455	0.16327035	0.00242306	0.00208191	0.00116162	0.00669041	0.107172
29.3766	0.355764856	0.24314645	0.00185511	0.00236544	0.00177372	0.04746425	0.22154631
25.8476	0.095280572	0.01914221	0.01396062	0.02036036	0.00401096	0.00308972	0.05196567
25.8626	0.142180457	0.08773743	0.04068778	0.01659365	0.00402112	0.0047067	0.05026651
26.6309	0.082413683	0.00720339	0.0119314	0.0872775	0.0163228	0.0132558	0.07715295
25.2608	0.121418839	0.0680829	0.29268811	0.04469333	0.00513922	0.00894967	0.05214048
25.9102	1.957358832	0.02329346	0.0061224	0.0062853	0.00235059	0.24337977	0.66831355
25.2528	0.658075483	0.20994817	0.00301558	0.00257526	0.00144337	0.01504369	0.25913916
26.432	0.986330834	0.01882978	0.00764832	0.0065525	0.0024393	3.95552581	0.30024666
28.2276	0.6937657	0.0466377	0.00551995	0.00709221	0.00264412	0.01836482	0.11973913
25.4563	0.84531474	0.02004032	0.00791381	0.00947735	0.00454631	0.0175369	0.17113152
25.816	1.239434618	0.04514592	0.00516934	0.00438235	0.00246465	0.27231019	0.37461115
25.7937	1.38019132	0.01438354	0.00907818	0.00774585	0.00217452	0.25323728	0.44041129
25.0772	0.301937149	0.1559973	0.00177373	0.00150655	0.00084777	0.00890096	0.11141325

26.1447	0.145215358	0.04181092	0.00587481	0.00756239	0.00281104	0.00650177	0.0239618
25.0126	0.395161432	0.29819555	0.00280134	0.0031957	0.00179472	0.0632886	0.18237933
24.9874	0.355304545	0.14218087	0.0014777	0.00251653	0.00141349	0.00657358	0.11579897
25.5039	0.171590798	0.04339109	0.00410695	0.01164618	0.00392856	0.02281374	0.35049579
24.9235	0.05861011	0.03639454	0.12195598	0.02114972	0.00253599	0.00490594	0.03502676
25.6247	0.651795763	0.29524714	0.00289363	0.0024688	0.00138466	0.01447617	0.24172414
24.8647	2.156638879	0.08873615	0.01315357	0.01243175	0.00378754	0.05236936	0.56228866
26.2545	0.378238822	0.02000459	0.00129655	0.00108623	0.00062236	0.19457138	0.24699422
25.499	0.15094948	0.08238726	0.00611501	0.01300102	0.0043863	0.01699618	0.09423555
26.0083	0.12688275	0.01322745	0.01529532	0.1337193	0.01995709	0.01390977	0.05865669
25.4245	2.012251694	0.01330031	0.01825964	0.0158066	0.00404586	0.24635042	0.4608333
25.5284	1.349240552	0.01277773	0.01011402	0.00873542	0.00291123	0.18090112	0.29928395
24.9476	0.128255159	0.04233824	0.00336441	0.00585784	0.00161425	0.00552929	0.0395592
24.9909	0.078967588	0.02525345	0.01257521	0.0224914	0.00481588	0.12538707	0.17622592
26.4653	0.161280203	0.02057397	0.00149734	0.28555767	0.01866105	0.01663127	0.10764422
24.9117	0.091697645	0.05361856	0.00266866	0.01600837	0.00384354	0.00741064	0.09293371
25.6893	0.151158043	0.01638658	0.01206359	0.13677057	0.01814675	0.0153139	0.09402177
24.8365	0.058076555	0.01801546	0.01316047	0.02493091	0.00504852	0.00145054	0.02027067
24.6586	1.408693241	0.02770385	0.01234657	0.01318954	0.00442812	0.19377479	0.49016665
25.2858	0.503783453	0.33772331	0.00374073	0.00318039	0.00118901	0.01248018	0.22587448
24.638	0.090495442	0.05587232	0.16953266	0.02979827	0.00345272	0.00667047	0.04760188
26.109	0.131609203	0.0306162	0.00691422	0.05927546	0.00794371	0.00612356	0.02938983
25.4645	0.148407274	0.03136839	0.00546982	0.01380799	0.00313303	0.07845925	0.11863541
25.4674	0.042330351	0.02184534	0.00344472	0.00879603	0.00329469	0.0057478	0.02693056
26.0688	0.043370964	0.01661655	0.094386	0.02501881	0.00305466	0.00694324	0.03276735
24.5256	0.766582548	0.1321428	0.00365411	0.00383801	0.00087544	0.1148889	0.36557954
24.7154	0.190876238	0.06885665	0.00956659	0.01426309	0.0039416	0.01050334	0.07524188
25.3321	0.115363643	0.0161886	0.00614027	0.01667343	0.0029472	0.29851358	0.54692553
24.8147	0.376120159	0.22010944	0.0028723	0.00245796	0.00137553	0.01594842	0.18526736
25.5837	0.172035117	0.0526781	0.00440774	0.00758373	0.0028216	0.00974558	0.04756291
24.7995	0.109202246	0.01421252	0.0072737	0.0179834	0.00399673	0.33771078	0.60528186
24.4484	0.077836393	0.0253083	0.00938753	0.01612068	0.00299647	0.00345947	0.08097968
25.1401	0.171399138	0.03075588	0.00323152	0.00547959	0.0030889	0.00359956	0.05767469
24.8	1.004622985	0.02757639	0.00434147	0.00369605	0.00104303	0.13656728	0.31272662
24.4297	0.075249898	0.02984377	0.12920866	0.03171381	0.00354333	0.00816685	0.03538474
24.6603	0.16132109	0.02354557	0.00821842	0.0271756	0.00563012	0.0728727	0.24925825
26.0659	0.284830494	0.18076984	0.00213698	0.00184399	0.00102562	0.01058954	0.16575176
25.147	0.704187423	0.07878507	0.00533566	0.00915566	0.00341577	0.01181579	0.07545556
26.0141	0.232629001	0.10965736	0.00133294	0.0011512	0.00127976	0.00442176	0.07874318
24.2369	0.293599214	0.14848539	0.00119188	0.00203709	0.00114116	0.00793658	0.10221931
24.3988	0.121503182	0.04328618	0.01025582	0.01646837	0.0036783	0.00852274	0.10345199
24.9276	1.127278691	0.00749465	0.01303252	0.01119047	0.00340643	0.72456165	0.40751241
26.0322	0.190141153	0.02922558	0.01459013	0.02254932	0.00419711	0.004845	0.05983009
26.8673	0.532307382	0.05637923	0.00416859	0.00354596	0.00158871	0.25392889	0.33075534

24.7371	0.286075533	0.15560928	0.00223938	0.00192742	0.00107405	0.00618734	0.10055125
24.7592	0.272150024	0.14786976	0.00222884	0.00192114	0.00106452	0.00614734	0.09636308
24.2573	0.039402988	0.07338037	0.0011805	0.00610875	0.00226597	0.0039093	0.01371462
24.379	0.034120274	0.02239553	0.00878471	0.0534418	0.00482116	0.0068915	0.03038515
24.3755	0.208004551	0.0250578	0.01358905	0.0365488	0.02280861	0.01501904	0.11688642
24.7957	0.102905517	0.01529222	0.00965788	0.0230842	0.00276976	0.16612223	0.23207631
24.4813	0.155594637	0.09219137	0.02480841	0.04586035	0.00476965	0.0054645	0.06596947
24.0027	0.113345542	0.06356198	0.27322855	0.04172769	0.00479791	0.00835001	0.04867413
25.0337	0.527739167	0.34831231	0.00346404	0.00295671	0.00110194	0.01408726	0.21380543
24.7366	0.244899381	0.04050554	0.00928408	0.02075597	0.00554667	0.03227978	0.13688939
24.68	0.030760032	0.02009142	0.00681715	0.05652617	0.0091638	0.00451077	0.03707697
23.871	1.079822187	0.03260148	0.00473906	0.00403355	0.00113072	0.14773471	0.33673736
26.5427	0.032380076	0.01241185	0.07045172	0.01867288	0.00228121	0.00517688	0.02446121
23.8159	0.094348469	0.05917321	0.03160198	0.01857535	0.0046479	0.00406538	0.03563196
24.0233	0.054903102	0.03569531	0.00627934	0.02596887	0.00481483	0.0249469	0.07039133
24.9397	0.562290549	0.31209184	0.0032812	0.00372559	0.00209613	0.08630056	0.24437026
24.8133	1.044294383	0.03955713	0.00566664	0.0048218	0.00216387	0.31021708	0.41282433
24.6951	0.029393984	0.01958085	0.00142617	0.00975081	0.00819302	0.00474815	0.01176875
23.7799	0.071386224	0.02830864	0.12257057	0.03008701	0.00335787	0.00775006	0.03357069
24.1534	0.047079049	0.03181086	0.00635371	0.02452917	0.00456758	0.00175848	0.01960087
25.4579	0.263645973	0.13961598	0.00167136	0.00142291	0.00079933	0.00836533	0.09250579
24.0613	0.130494055	0.07519215	0.00596801	0.0124616	0.00344253	0.01441493	0.06996299
23.9814	0.765862606	0.10250383	0.00398894	0.00419798	0.0018981	0.13930058	0.36797306
25.2191	0.027536997	0.01457948	0.08230031	0.01942588	0.00209916	0.0064364	0.03019691
23.6939	0.087252867	0.03459945	0.14981527	0.03676912	0.00410948	0.00947355	0.0410276
23.5887	0.024555966	0.00320036	0.00026119	0.00041019	0	0.00102484	0.01632925
24.7316	0.797426998	0.01644177	0.00935738	0.01159703	0.00298654	0.29192362	0.3284386
24.015	0.136813137	0.06685179	0.0038802	0.00997216	0.00371746	0.01433383	0.09032229
23.8998	0.08983367	0.05252168	0.00261773	0.01567722	0.0037655	0.00726378	0.09104308
23.5228	0.178536433	0.12589625	0.00099745	0.0017184	0.000957	0.00329429	0.06312131
23.8562	0.158674721	0.03486211	0.00156934	0.00936717	0.00751639	0.00699065	0.03658186
24.0102	0.335008172	0.18018769	0.00266741	0.00229185	0.00127876	0.00738873	0.11828337
23.4594	1.235819445	0.03446837	0.00613812	0.00528157	0.00196249	0.22941819	0.35867908
23.4611	0.523106013	0.06553945	0.00565857	0.00852719	0.00271503	0.03904007	0.47117834
23.6935	0.04196653	0.04028264	0.00410027	0.01771779	0.00393737	0.00301751	0.02536098
23.5549	0.196291335	0.01232481	0.00584539	0.01001218	0.00320061	0.48704643	0.45539655
25.9188	0.771686598	0.1707043	0.00453026	0.00389442	0.00108361	0.14652837	0.39047774
23.3626	0.467240585	0.23367064	0.00226286	0.00288497	0.00108175	0.01512687	0.23929131
23.7177	0.077264494	0.04356866	0.1462299	0.02572997	0.00310791	0.0072382	0.04195472
23.316	0.120695092	0.0396563	0.17250852	0.05751998	0.00504577	0.00854756	0.04194023
24.3813	0.02789344	0.00363636	0.00028917	0.00045419	0	0.00116258	0.01852548
27.0944	0.075354946	0.03918544	0.15715712	0.0452932	0.00373122	0.00845451	0.04169251
23.1662	0.12504945	0.0410798	0.17873262	0.05959346	0.00522213	0.00885757	0.04345465
24.0487	0.303083129	0.1447991	0.00158986	0.0013533	0.00076032	0.01150654	0.11897585

23.9151	0.107962632	0.04647056	0.010713	0.0122483	0.00342512	0.01186751	0.0890605
25.168	0.018650338	0.01324806	0.07101997	0.02036667	0.00212852	0.00163138	0.00840832
23.29	0.312302916	0.16578152	0.00236221	0.00202779	0.00113218	0.00653684	0.11089649
24.6125	0.271819762	0.14768753	0.00222884	0.00192114	0.00106452	0.00614734	0.09624642
23.7605	0.417034595	0.22357252	0.00259743	0.00332821	0.00123886	0.01728675	0.20585601
23.7114	0.15663699	0.04292081	0.00053999	0.00092167	0.00051683	0.00420965	0.06540759
24.1505	0.339872649	0.14395885	0.00299377	0.00256777	0.00143456	0.01162664	0.20560226
23.3473	0.380355587	0.19770992	0.00291602	0.00247225	0.00139308	0.01464133	0.17594762
23.1104	0.128094662	0.042089	0.18308849	0.06104127	0.0053495	0.00907901	0.04451525
24.0852	0.503018556	0.27566431	0.0035134	0.00401485	0.00112214	0.01168925	0.23300946
23.5349	0.262077663	0.14062742	0.00205653	0.00176711	0.00098592	0.00567644	0.09266626
23.5596	0.119672767	0.02224769	0.01220933	0.02856808	0.00425487	0.05901362	0.16183663
22.8688	0.191311847	0.0585112	0.00077437	0.00131233	0.00074105	0.0042678	0.07123948
23.9746	1.10774599	0.02765744	0.0047586	0.00608074	0.00227173	0.26039755	0.32936687
23.3665	0.119225297	0.06331253	0.32357913	0.03826009	0.00450732	0.00782523	0.05087983
23.4897	0.279706367	0.15223343	0.00205688	0.0017647	0.00098569	0.00570505	0.0987809
22.7509	0.265091438	0.14331434	0.00175403	0.00148441	0.00083757	0.00784187	0.09626339
22.8674	0.070270957	0.03681743	0.07699895	0.02010989	0.00310481	0.0060725	0.0434098
23.855	1.035796439	0.01289176	0.00917298	0.00788185	0.00292847	0.26740396	0.39875988
24.1169	0.060506935	0.03282842	0.08737707	0.02081446	0.00233884	0.00455123	0.03495437
22.7029	1.424323158	0.03495247	0.00685293	0.00587907	0.00219583	0.3302088	0.39395363
22.692	0.041366216	0.00681302	0.01396775	0.03760425	0.00411542	0.2206524	0.22698277
22.7662	0.122779902	0.02916377	0.00602415	0.01663342	0.00346767	0.03721081	0.0940953
23.9797	0.506489138	0.20772946	0.00212967	0.00271874	0.00101398	0.0224354	0.2481764
23.632	0.038874304	0.02226406	0.02773113	0.00710483	0.00160671	0.00375855	0.0223589
22.7678	0.28854546	0.14937061	0.00227027	0.00195125	0.00108358	0.00627228	0.1005626
22.994	1.461214141	0.04036406	0.00716998	0.00614023	0.0022928	0.30469356	0.42289583
24.3037	0.690364303	0.14332151	0.00446928	0.003762	0.00106071	0.14745028	0.36679349
24.4916	0.094588808	0.06834668	0.03837065	0.0268269	0.00306972	0.00468674	0.04658981
23.0239	0.145264321	0.07437092	0.00383941	0.01207628	0.00367851	0.01845161	0.09668291
23.8965	0.800078008	0.17698258	0.00469315	0.00403444	0.00112266	0.1519216	0.4048422
23.8968	0.383438617	0.13935278	0.00165173	0.00209189	0.00078909	0.01467551	0.14709516
23.5139	0.312454295	0.20376586	0.00207872	0.00266663	0.00099448	0.02200502	0.24345496
23.667	0.972574724	0.03131116	0.00437463	0.00463673	0.00209409	0.18443741	0.42128955
22.7604	0.237973893	0.09866531	0.00745266	0.01426157	0.00286537	0.01965634	0.1138466
22.201	0.162394102	0.04745911	0.00263814	0.00225678	0.00126815	0.0058635	0.08913256
22.4434	0.306864691	0.09634926	0.00141494	0.0012174	0.00068345	0.01018351	0.11591655
25.4546	0.023835231	0.0031055	0.00025186	0.00039558	0	0.00099275	0.01584167
22.6071	1.109786843	0.02387402	0.00539594	0.00556308	0.00206941	0.1753669	0.47103624
22.7452	0.307196239	0.15382001	0.00170051	0.00145878	0.00081977	0.00850189	0.1184432
22.5291	0.25311576	0.13752505	0.002066	0.00178078	0.00099615	0.00572028	0.08962475
22.0553	1.108516909	0.01627321	0.00512717	0.00609859	0.00195882	0.27743254	0.40162211
22.2327	0.062822996	0.0441921	0.09269788	0.05513151	0.00417253	0.00319458	0.0202551
23.0065	0.239272804	0.10660935	0.00158676	0.00137477	0.00076236	0.00784955	0.08547681

22.5973	0.001035033	0.00052644	0	0	0	0.00030154	-0.00019668
22.2593	0.6925547	0.0320219	0.00524232	0.00901314	0.00301698	0.18318118	0.62850661
21.6556	0.221063703	0.01226253	0.0010293	0.00109336	0.00049716	0.02807434	0.08171565
23.3035	0.696932667	0.14467487	0.00451009	0.00379635	0.00107044	0.14885524	0.37028354
21.5961	0.258307061	0.0329296	0.00520319	0.01004819	0.00373792	0.0043177	0.09046397
22.6036	0.052452766	0.02983943	0.12349834	0.03263488	0.00355969	0.00600911	0.03863936
21.9763	0.079201286	0.0154843	0.01148948	0.02216626	0.00299119	0.02910361	0.11730446
22.1717	0.20773573	0.09347155	0.00135304	0.00117049	0.0006547	0.00672584	0.07386637
22.9559	0.459828988	0.17566623	0.00330325	0.00350276	0.00157832	0.09937984	0.26108087
22.3801	0.092882968	0.03095646	0.00735675	0.03914365	0.00588088	0.01892373	0.06864588
21.4142	0.132917262	0.0708741	0.00124181	0.00106905	0.00059563	0.00275576	0.04291198
21.4855	0.093080674	0.01978575	0.00882962	0.03402098	0.00422491	0.05133753	0.16276204
21.5684	0.233289058	0.00842944	0.01096295	0.01616285	0.00381279	1.7718669	0.26977686
22.0664	0.277212232	0.11280852	0.00174927	0.00151739	0.00084071	0.00959945	0.10085121
21.0726	0.625747383	0.19568446	0.00274042	0.00234099	0.00131665	0.01523274	0.25386606
21.9046	0.040059949	0.00932549	0.00027142	0.00026014	0	0.0016693	0.00776084
22.3068	0.516196796	0.21170372	0.00216024	0.00277086	0.00103348	0.02286575	0.25293233
22.2586	0.021455396	0.01578939	0.02986143	0.01105019	0.00248559	0.00072562	0.00699921
20.8519	0.058836599	0.03029734	0.15160687	0.0332191	0.00379748	0.00657568	0.03642482
21.0524	0.061078164	0.03930396	0.12148897	0.02354073	0.00265874	0.00517906	0.03741393
20.7132	0.147480323	0.08633964	0.00673225	0.01285985	0.00388126	0.01777122	0.08077813
20.6146	0.089816032	0.01871405	0.01299112	0.02618585	0.00339325	0.09575897	0.19679468
21.1988	0.465949206	0.23315948	0.00282418	0.00319038	0.0018023	0.08603822	0.28314557
20.8023	0.109855228	0.06652332	0.00081476	0.00069786	0.00039027	0.00225756	0.03459222
21.4907	0.160596078	0.04311018	0.0005805	0.00098585	0.00055615	0.00445823	0.06529809
22.7366	0.74544664	0.14797083	0.00545597	0.00461648	0.00208413	0.17904203	0.33138276
20.2142	0.156158172	0.08705507	0.23312	0.04675066	0.00565018	0.00815476	0.06506436
20.9134	0.321639402	0.19923004	0.00195854	0.00247981	0.00186919	0.04813747	0.20564732
20.0635	0.08099598	0.04925822	0.16018572	0.02450862	0.00296103	0.00576759	0.03970053
19.9716	0.101163716	0.06478927	0.00873892	0.01268575	0.00357465	0.00278716	0.03020946
20.3257	0.28218604	0.00805391	0.01143209	0.01706141	0.00455363	0.84917385	0.27369435
20.1888	0.05700934	0.04133084	0.0026092	0.00443018	0.00249514	0.00145176	0.0189071
20.6593	0.208194381	0.13721776	0.00116049	0.0009982	0.0005565	0.00578488	0.07384634
20.474	0.014469481	0.00398587	0.00024563	0.00028023	0	0.00132586	0.00712425
20.256	0.084859726	0.02509176	0.08494902	0.06361401	0.00444885	0.00619707	0.03082197
19.8246	0.371418656	0.00340338	0.00915576	0.0083883	0.00207163	0.98997361	0.24026132
18.9017	0.00115977	0.00025727	0	0	0	3.6284E-05	0.00273614
18.8912	0.044828677	0.02371492	0.06094385	0.01578194	0.00178221	0.00347186	0.02606052
20.6789	0.010417084	0.01411721	0.07850248	0.02601172	0.00256648	0.00099258	0.00398952
19.4677	0.122052986	0.07073702	0.00101808	0.00087482	0.00048808	0.00225252	0.03988082
19.8519	0.00248276	0.00066374	0	0	0	0.00012341	0.00118182
18.3863	0.563746542	0.00824388	0.01171821	0.01208951	0.0029968	0.84374669	0.31487793
19.1584	0.015430768	0.00128031	0.00022567	0.00033922	0.0002589	0.0012651	0.01276818
18.5755	0	0	0	0	0	0	0

18.2922	0.335673384	0.00303741	0.00769964	0.00709571	0.00184733	0.99234422	0.20440093
18.2846	0.120027343	0.06329807	0.00115995	0.0010019	0.00055685	0.00254737	0.03911969
17.8208	0.006249426	0.00184087	0	0	0	0.00013128	0.00114921
18.75	0.534832367	0.06225307	0.00425319	0.00359417	0.00162609	0.25673734	0.31969283
18.0935	0.436469391	0.00293365	0.01114067	0.01083503	0.00267711	1.27325866	0.31021117
18.1077	0.011362793	0.00485739	0	0	0	0.00018108	0.00169344
18.8469	0.616061368	0.01033911	0.00897468	0.01115252	0.00312115	0.53685035	0.31535771
17.9965	0.259727231	0.00316205	0.0156801	0.01456549	0.00427709	0.46690256	0.29233031
18.3229	0.169680942	0.00218896	0.02134398	0.0175631	0.00460971	0.40042578	0.25792997
18.9392	0.305075127	0.00633489	0.01282996	0.01530398	0.00491337	0.44785002	0.32962972
18.0685	0.751352087	0.00939331	0.01157595	0.01377518	0.00426566	0.54341804	0.28653958
17.4659	0.690918412	0.01224507	0.01063552	0.01238522	0.00369643	0.6298368	0.3730123
17.1152	0.321774167	0.00346072	0.01473826	0.01462286	0.00391803	0.66171177	0.32907929
17.3675	0.218735934	0.13597377	0.00108985	0.00093256	0.00052679	0.00789561	0.07460737
17.2296	0.168893531	0.0137628	0.0004999	0.00062794	0.00047695	0.02959811	0.05922148
18.5161	0.186000949	0.06926827	0.00120169	0.00102989	0.00057571	0.00467122	0.0651402
17.3128	0.012497035	0.00385731	0	0.00025851	0	0.0008761	0.00540136
16.7932	0.450634108	0.12884471	0.00159803	0.00206838	0.00077141	0.01854523	0.18040996
17.1102	0.035634808	0.00840742	0.00027014	0.00026904	0	0.00189675	0.00855581
17.0637	0.401255043	0.00352331	0.00612518	0.00721707	0.00213956	1.21807244	0.21111238
17.6606	0.077842104	0.05234891	0.00031552	0.00027178	0.00030272	0.00384525	0.02945506
17.5698	0.00619712	0.00163902	0.00022911	0.00039458	0.00027753	0.00030834	0.00806405
16.9935	0.442827844	0.07365196	0.0022626	0.00192512	0.00054583	0.07433224	0.19052779
17.4628	0.14227193	0.08510639	0.00095727	0.00082045	0.00045862	0.00264018	0.04631385
16.5791	0.047101135	0.00080226	0.01131989	0.00602124	0.00107967	1.25589452	0.10413767
17.0443	0.044091942	0.02634537	0.0002951	0.00025469	0.00028328	0.00321119	0.01576254
16.1333	0.041054771	0.02499477	0.00028492	0.00024593	0.00027351	0.00312124	0.01580209
16.6774	0.469214282	0.00229023	0.00867791	0.0092924	0.00259501	0.75251107	0.20585326
16.0268	0.010161017	0.0036585	0	0	0	0.00018237	0.00150975
16.4792	0.299089142	0.00217496	0.01030108	0.01054302	0.00328604	1.30355529	0.24331764
16.3401	0.019558126	0.00134493	0.01051309	0.0068072	0.00091682	0.53534323	0.06774601
15.8379	0.058649217	0.00119277	0.01123878	0.00596747	0.00106987	1.13704996	0.19135171
16.2539	0.067055995	0.00117649	0.0092677	0.00691744	0.00106191	1.09304065	0.11587342
16.2934	0.044218508	0.02094559	0.10065795	0.02385907	0.00236844	0.00551211	0.03726835
15.9492	0.483468773	0.00221672	0.00838426	0.00850239	0.0025065	0.73629143	0.20200288
15.4416	0.044942556	0.028602	0	0	0	0.00067473	0.00806415
15.2719	0.030374842	0.0008344	0.01067025	0.00581496	0.00076233	1.6903649	0.07130622
15.4559	0.069325489	0.00122346	0.01116786	0.00629231	0.0011129	1.0767802	0.18584608
15.3709	0.061846735	0.00170885	0.01728251	0.01480674	0.0031028	0.42399792	0.20576317
15.6005	0.084456079	0.01612353	0.00019378	0.0003191	0.00018502	0.01062462	0.03020579
15.6117	0.021650976	0.0026451	0.0002904	0.00036646	0.00031266	0.00023296	0.0069229
15.0745	0.035932674	0.00212252	0	0.00033093	0.00031399	0.0011742	0.01162964
15.6509	0.012835831	0.00549048	0	0	0	0.00020239	0.00191983
15.4342	0.172987739	0.01409823	0.0005101	0.00064514	0.00048669	0.03031699	0.06065421

14.8033	0.195506045	0.00140086	0.00752106	0.00715842	0.00169616	0.50685287	0.14909234
15.0371	0.25108101	0.03975898	0.00163239	0.00137578	0.00077865	0.03327032	0.12658225
14.3938	0.047346677	0.00410252	0.00025126	0.00024125	0.00024833	0.00285746	0.01372693
13.6055	0.0280744	0.00069167	0.0094442	0.00523419	0.00093483	1.12351703	0.09160157
13.7586	0.023625403	0.00870263	0.08626562	0.02837972	0.00287999	0.0024878	0.0106213
13.5444	0.013038633	0.00505818	0	0	0	0.00022984	0.00228477
13.1475	0.218190125	0.02275709	0.00053065	0.00089251	0.00050596	0.0237181	0.06976175
12.9315	0.013457757	0.00609894	0	0.00015025	0	0.00055859	0.0040619
13.2295	0.000271248	0.00020695	0	0	0	4.6647E-05	0.0005594
13.081	0.004390545	0.00130939	0	0	0	0.00010392	0.00155289
12.464	0.079370236	0.02627337	0.00029452	0.00025871	0.00028404	0.00358153	0.02719945
12.0345	0.027779222	0.00250975	0	0.00012158	0.00013649	0.00233337	0.00857746
13.4846	0.022257002	0.00631949	0.00022929	0.00023493	0.00023094	0.00045005	0.00417352
12.4026	0.02082207	0.01002648	0	0.00019457	0	0.00099377	0.0065161
11.8401	0.008817619	0.00222937	0.00022899	0.00023702	0.00023134	0.00065906	0.0025054
10.933	0.004033587	0.00078622	0	0	0	0.00036018	0.00154425
10.1635	0.000490154	0.000426	0	0	0	8.6119E-05	0.00057697
9.9245	0.117311794	0.01100714	0.00038741	0.00049308	0.00018512	0.01803021	0.0416434
9.6165	0.103372633	0.0122315	0.00033647	0.00043215	0.00016561	0.01629134	0.03806946

IL	IN	IA	KS	KY	LA	ME	MD	MA
0.33614038	0.95156958	0.08391239	0.01873117	0.31568095	0.00562539	0.00241822	0.31802671	0.0067096
0.41569263	1.38833689	0.06822992	0.01898074	0.60246028	0.01549256	0.00190778	0.18259187	0.0079028
0.35084359	0.87890045	0.09694908	0.00919069	0.4204354	0.02161834	0.0020944	0.33429724	0.00566492
0.18436556	0.63124939	0.04626277	0.01064985	0.36165922	0.00318994	0.00137969	0.22753334	0.00568267
0.41933559	1.40051568	0.0688245	0.01914977	0.60774492	0.01562819	0.00192577	0.18419066	0.00797735
0.35538681	0.89027864	0.09820867	0.00931005	0.42587772	0.02189923	0.0021216	0.37983142	0.00573849
0.71638646	1.15556059	0.06931044	0.01184621	0.3433696	0.00311946	0.00132868	0.1403204	0.00376183
0.1808703	0.62993392	0.04073786	0.01598667	0.49419212	0.0050315	0.00144656	0.16263237	0.00401211
0.35859509	1.20535626	0.06199906	0.01628157	0.51278282	0.01522147	0.00162871	0.17510043	0.00685062
0.16198782	0.30664279	0.04967615	0.01140612	0.22469022	0.12539444	0.00150513	0.14543181	0.00785531
1.61580017	1.58604885	0.13831014	0.07295858	0.83437318	0.02602499	0.00202377	0.06407315	0.00283243
0.49853629	1.06433827	0.06790804	0.01348718	0.48940295	0.01825521	0.0017329	0.21377329	0.00487112
0.2182937	0.81752688	0.05166514	0.01360145	0.52914285	0.00713694	0.00307651	0.28791538	0.01700938
1.19002748	1.67030127	0.16151069	0.04836106	0.50619366	0.04107509	0.00167574	0.08306146	0.00468145
0.2739853	1.4708669	0.04823388	0.02136524	1.0821905	0.01564752	0.00389816	1.77083425	0.00527374
0.8489258	4.20435576	0.15544291	0.02327696	1.80207022	0.02189721	0.00212479	0.10453557	0.005723
0.8486038	4.20275019	0.15538431	0.02326701	1.80138383	0.02188681	0.00212479	0.10449756	0.005723
0.86494177	4.28365554	0.1583732	0.02372459	1.83605878	0.02231311	0.00217019	0.1065124	0.00583306
0.21975991	0.65230603	0.05027742	0.01509129	0.39022623	0.00316387	0.00136463	0.20510608	0.00567701
0.39468474	1.31818469	0.06477944	0.01801629	0.57201596	0.01471011	0.00180879	0.17336817	0.00750517
1.12046538	1.57258436	0.15204787	0.04220261	0.47657811	0.03867171	0.00157718	0.07819079	0.00441853
0.35477374	1.34457104	0.07869135	0.03569691	0.99855901	0.0225168	0.00804796	0.4736574	0.0494346
0.16762918	0.28082308	0.04278897	0.01055725	0.22201699	0.09903779	0.00241955	0.1415179	0.01123553
0.42960436	1.41385151	0.15046345	0.0282913	0.78510743	0.02549348	0.00181953	0.314771	0.00763256
1.74835234	1.71615289	0.14965478	0.08520773	0.90281693	0.02815717	0.00219391	0.06933864	0.00307056
0.3726235	1.09325	0.08172964	0.01838343	0.41102255	0.0140907	0.00149485	0.17080874	0.00639862
0.25478028	0.82442735	0.07852618	0.02100996	0.37641251	0.00804764	0.00171342	0.18465743	0.00484118
0.96948345	1.33910547	0.0819026	0.01973931	0.43711252	0.00750739	0.00159513	0.1535355	0.00453705
0.41061391	1.2817804	0.0691124	0.01765038	0.53697565	0.01446491	0.00175732	0.18402532	0.00746874
0.92838038	1.39580866	0.05730626	0.01300006	0.34653856	0.0034211	0.00145575	0.14020405	0.00411709
0.65762867	2.01547406	0.08367551	0.02479943	0.41979304	0.00346147	0.00149635	0.14797263	0.00411312
1.03765489	1.346221	0.14154933	0.04538079	0.39616358	0.00712599	0.0015175	0.13798241	0.00429706
0.33121454	0.82972564	0.09152993	0.00867347	0.39691034	0.02041154	0.00197653	0.3540003	0.00534611
0.32507503	0.81434658	0.08983095	0.00851432	0.38955641	0.02003702	0.00194026	0.34743805	0.00524802
0.19094199	0.66500753	0.04300811	0.01688145	0.52170648	0.00531335	0.00152742	0.17168796	0.00423639
0.36168939	1.14821265	0.06363685	0.01985016	0.60461509	0.01708132	0.00162897	0.234691	0.00683616
0.62545091	2.42260307	0.10431814	0.02534904	1.55101017	0.03196959	0.00228595	0.29379646	0.00956953
0.31754842	1.00078985	0.09120251	0.02226539	0.35303559	0.00852027	0.00182558	0.15945982	0.00255959
0.24824139	0.83568693	0.08486256	0.01482233	0.28862331	0.01565838	0.00188613	0.29798342	0.00544192
0.18141062	0.5157436	0.05136603	0.01079596	0.16121102	0.00485729	0.00139014	0.19923801	0.00387474
0.84996134	4.20947167	0.1556285	0.0233068	1.80426624	0.0219284	0.00212479	0.10466863	0.00573523
1.11058073	1.45956203	0.06106204	0.01275688	0.37579115	0.00362787	0.00154791	0.14869338	0.00435504
0.43791054	1.31823028	0.09271195	0.02169733	0.53902851	0.01660962	0.00176953	0.19083715	0.0074826

0.45581233	1.26157406	0.05505938	0.00909536	0.34224717	0.03348658	0.00136123	0.17567524	0.00573926
1.30528059	1.82303479	0.1571313	0.04253507	0.54112049	0.04194315	0.00180232	0.08718607	0.00502652
0.90696517	4.49179401	0.16607015	0.02486854	1.92527401	0.02339445	0.00227008	0.11168265	0.00611432
0.27831047	0.81271301	0.06799737	0.01470635	0.27132146	0.00441087	0.00190128	0.23605958	0.00524396
0.19413324	0.5432992	0.05015467	0.01203157	0.19483125	0.00315955	0.00136063	0.20481055	0.0037563
0.18557796	0.6644011	0.03314461	0.01776643	0.49425531	0.01670652	0.00324286	1.13010739	0.00872546
0.48620031	0.57888175	0.09224274	0.03311895	0.65859257	0.03148978	0.00084562	0.04370829	0.00351854
0.46578762	1.85582418	0.08282263	0.02657803	1.32954692	0.0279645	0.00217256	0.26135579	0.0091615
0.47273975	1.55580483	0.16556725	0.03113434	0.86393269	0.02805328	0.00200776	0.34637931	0.00839582
0.84881629	1.74457042	0.06188986	0.01105682	0.35645599	0.0033166	0.00143198	0.12929895	0.00394583
1.1841851	1.65393899	0.14255991	0.0385894	0.49092685	0.0380466	0.00163195	0.07910286	0.00455139
0.16932109	0.58970081	0.03812659	0.01496265	0.4626308	0.0047079	0.00134773	0.15224398	0.00375045
0.33538864	0.84019085	0.09267235	0.00878288	0.40191486	0.02066122	0.00200373	0.35846382	0.00540742
0.51540278	1.99633344	0.08597091	0.02089556	1.27809903	0.02635925	0.00188255	0.24211266	0.00789331
1.84509707	1.33051337	0.18007882	0.09722988	0.7596229	0.02001295	0.00190525	0.06216951	0.00267462
0.32825038	0.91435283	0.06924146	0.02569866	0.45815085	0.00224516	0.00386867	0.85273063	0.00806294
0.35970039	0.6650027	0.08913406	0.03601501	0.40523127	0.0215857	0.00621697	0.35675473	0.01496527
1.10466427	1.12568083	0.74364047	0.14368003	0.63481667	0.05991434	0.00196406	0.0933694	0.00554346
1.19753031	3.70419078	0.18623549	0.03444821	2.68418407	0.01795939	0.00197253	0.01649992	0.00261429
0.65227318	3.33420825	0.05649253	0.00952623	0.42579461	0.00349874	0.00155265	0.12781227	0.00404566
0.48170724	1.58532845	0.16871266	0.03172085	0.88032635	0.02857569	0.00204361	0.35295024	0.00855848
0.13774831	0.36345515	0.03257282	0.01400451	0.64091071	0.01473629	0.00314647	3.26924222	0.01550063
0.69148272	0.87853525	0.49873845	0.09101549	0.60754723	0.10378419	0.00166734	0.08982518	0.00472219
0.47649806	1.64705542	0.13871224	0.02576959	1.04975768	0.03166477	0.00192629	0.29910827	0.00817902
0.2893533	1.54657218	0.10670706	0.01522594	0.90790776	0.03417198	0.00395032	0.27167375	0.01078627
0.28613752	0.95658834	0.08990534	0.03261812	0.5932693	0.03212004	0.0018403	0.33135702	0.01279071
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.45701075	1.66568608	0.09302607	0.01969522	1.58016397	0.04324481	0.00161759	0.12431439	0.0067261
0.25596496	1.38157466	0.07276139	0.01749143	0.78015455	0.03684161	0.00392527	0.31700831	0.01665117
0.41853255	1.12796838	0.10288433	0.02724417	0.910684	0.0061385	0.00349624	0.24180791	0.01230042
0.79231574	2.91593887	0.14707615	0.023369	1.68988021	0.00611739	0.00176889	0.01669366	0.00242309
0.3549903	0.64659035	0.08035159	0.03924986	0.41778724	0.02253028	0.00641632	0.44885672	0.0225764
0.93283353	1.40250866	0.05757645	0.01305969	0.34820183	0.00343156	0.00146468	0.14087313	0.00412968
0.13699821	0.36147529	0.03239764	0.01393494	0.23254884	0.01466308	0.00313752	3.25143849	0.01541264
0.47746587	1.42826547	0.10089286	0.02312842	0.57048117	0.01770878	0.00189439	0.20542465	0.00798755
0.31177267	1.0412645	0.05117244	0.01423804	0.45184888	0.01162203	0.00143083	0.13694629	0.0059271
0.38561147	2.40924435	0.06693948	0.02558074	1.45278329	0.0066932	0.00388374	0.88862363	0.00527433
0.43340071	2.28017558	0.11925954	0.01993646	0.72600681	0.0146411	0.00181091	0.19360651	0.00249244
0.39228991	1.34631885	0.05603975	0.01481607	0.75145215	0.01997594	0.00192015	0.2821692	0.00791556
0.17959664	0.53309649	0.0410909	0.01233747	0.31891047	0.00258957	0.00111325	0.16762248	0.00464143
0.51129551	1.98043705	0.08527949	0.02072656	1.26792081	0.02613985	0.00187358	0.24017714	0.00783076
0.40552616	1.47103911	0.11698076	0.02083987	1.02813209	0.0417437	0.00170953	0.15678112	0.00710952
1.02621043	1.34868334	0.0564282	0.01273291	0.3472429	0.00334559	0.00143159	0.13739327	0.00401618
1.13772712	1.19581006	0.22141913	0.08771802	0.45534606	0.0278314	0.00148825	0.0424423	0.00207619

0.15997134	0.60734213	0.0472613	0.01556734	0.47446403	0.00981006	0.00140751	0.12861771	0.00391497
0.8437061	3.56163145	0.16413707	0.0232329	1.75919276	0.02188467	0.00211731	0.11965774	0.00574695
0.46040277	0.71612986	0.14296255	0.0549637	0.37951442	0.01991041	0.00171284	0.35461274	0.01191346
0.72608448	0.97723529	0.12118715	0.03434982	0.3192586	0.0311597	0.00106342	0.04831052	0.00299347
0.21586162	0.61107361	0.05388869	0.01203011	0.2027227	0.0036111	0.00155521	0.20423299	0.00430709
0.29907698	0.9545782	0.07754013	0.01810082	0.67279336	0.02616455	0.00204091	0.20610743	0.00570622
0.32229672	0.9782938	0.0808964	0.01267991	0.45651124	0.01992501	0.00191617	0.43138346	0.00524018
0.37665775	1.24365082	0.12478451	0.02262722	0.85939988	0.02601756	0.00184298	0.41485514	0.00786039
1.11608138	1.56581403	0.15128484	0.04198322	0.47450617	0.03846191	0.00156831	0.07777771	0.00439306
0.31486712	0.53335127	0.06941883	0.02925068	0.34512328	0.01615354	0.00556691	0.54922141	0.20416535
0.82506871	1.2947604	0.08293483	0.01363357	0.38710675	0.00359336	0.00153049	0.15965573	0.00434579
0.13292066	0.35071706	0.03142445	0.01351749	0.22562836	0.01422382	0.0030392	3.15467405	0.01496006
1.75859143	1.72620785	0.19907133	0.08570475	0.90810618	0.02832439	0.00220287	0.06974442	0.00308309
0.49488234	1.0198811	0.07959121	0.02978272	0.38482255	0.04010947	0.00147856	0.2178283	0.00421199
0.87389183	3.07136162	0.19340952	0.0329042	1.35542398	0.02074818	0.00198134	0.03750408	0.00276409
0.941176	3.68940111	0.16775557	0.02343775	1.7529313	0.01719994	0	0.05802776	0.00292125
0.16649572	0.48536465	0.04407104	0.01028054	0.16226098	0.00269217	0.00116024	0.1784089	0.00320886
0.38534381	0.70814718	0.08465104	0.03520884	0.43561879	0.02026486	0.01121978	0.41417837	0.04567715
0.4643276	1.85000913	0.08256959	0.02649852	1.3253832	0.02788084	0.00216362	0.26053546	0.00913637
0.46051972	1.59182377	0.13406287	0.02490497	1.01455253	0.03060753	0.00186386	0.28907956	0.00791397
0.34839388	0.82076956	0.11044807	0.026651	0.46067794	0.03231683	0.00369262	0.19856573	0.00774596
0.25634905	1.06970437	0.06671304	0.0220725	0.62954752	0.02123364	0.00166415	0.37969537	0.01610242
0.87032869	3.05884453	0.1461426	0.03276503	1.34990409	0.0206646	0.00197238	0.03735301	0.00275158
0.24812258	0.83596806	0.0645255	0.01505973	0.25905714	0.00791099	0.00169304	0.2251644	0.00474709
1.75992474	1.26909449	0.17175671	0.08585579	0.72455707	0.01908236	0.0018158	0.05930247	0.00254905
0.86357102	2.54287797	0.13950378	0.03380555	2.53201942	0.01777261	0.0021745	0.10311284	0.00304913
0.41203139	1.04077917	0.05324177	0.01318779	0.46744986	0.01562924	0.00148014	0.2077306	0.00628756
0.37791343	0.9066901	0.09198193	0.02679074	0.34041644	0.02205675	0.00173394	0.11671521	0.00237086
0.18063967	0.62911613	0.0406794	0.01596679	0.49355056	0.0050315	0.00144656	0.16242441	0.00399965
0.62879556	1.79279218	0.05904547	0.00982516	1.3197984	0.0038657	0.00111961	0.03511983	0.00458287
0.13622132	0.33129947	0.04757987	0.01700647	0.19842709	0.17308794	0.00119801	0.12161336	0.00317482
0.269559	1.0452658	0.0705254	0.01946287	0.58735536	0.0143196	0.00175492	0.2105887	0.00735832
0.48462157	1.39226954	0.08996854	0.02060104	1.81043334	0.04323867	0.00169122	0.15679448	0.00702482
0.35391867	1.21463067	0.05055962	0.01336429	0.67795027	0.01801588	0.00173084	0.25456777	0.00713515
1.66660318	1.63590796	0.18866357	0.0812217	0.86060267	0.02684024	0.00209541	0.06609252	0.0029327
0.41463862	1.71233148	0.09566212	0.02623433	1.15037495	0.02262476	0.00213658	0.27770125	0.00911498
0.38881664	0.71882779	0.09634902	0.03893837	0.43802877	0.02332716	0.00672154	0.38563486	0.01618035
1.27569456	1.33164623	0.14243597	0.06033419	0.67471959	0.01316334	0.00185773	0.0590462	0.00265284
0.56655067	1.28818243	0.15713857	0.0481459	0.49071878	0.01266588	0.00180549	0.23214017	0.00507963
0.43467879	1.24878572	0.08069975	0.01848327	1.62385289	0.03878334	0.0015203	0.14063924	0.00630369
0.86294251	1.60418545	0.05171576	0.01161072	0.35744277	0.00348978	0.00149674	0.14487532	0.00417969
0.45846144	1.50881256	0.16057159	0.03018998	0.83783986	0.02720698	0.00194501	0.33591871	0.00814557
0.30368148	2.14115096	0.05636436	0.01971153	1.41150383	0.00747058	0.01315717	0.74867705	0.08502597
0.24988957	0.70792092	0.04637689	0.02448333	0.47887872	0.02059734	0.00146919	0.66704904	0.00822818

0.51355609	1.49057052	0.10045551	0.02049941	1.80612985	0.04502653	0.00168769	0.13463092	0.00935905
0.10305188	0.24175083	0.04676365	0.01386483	0.11283148	0.0113508	0.00276897	1.62455583	0.0097554
0.41413317	1.36126289	0.05739363	0.01673195	0.77034861	0.01977424	0.00189499	0.31614907	0.00786813
0.12906222	0.34054619	0.03051938	0.01311991	0.21908575	0.01380547	0.00294981	3.06315384	0.01452005
0.61021347	3.11921995	0.0528519	0.00945586	0.39833772	0.00328136	0.00145159	0.11957	0.00379431
1.12498352	1.08964479	0.18186859	0.04100721	0.49527435	0.0143869	0.00153568	0.10367225	0.00433329
0.32660136	0.58266064	0.07809712	0.03156037	0.35505314	0.01890574	0.00544211	0.31257603	0.01311752
0.36268681	0.72069435	0.09632974	0.02621489	0.18431864	0.00688306	0.00197366	0.22420194	0.00548447
0.88026868	0.92176713	0.44031863	0.14771416	1.39708449	0.15253956	0.00148248	0.06401297	0.00416776
0.39831116	0.73197154	0.08750138	0.03639242	0.45027736	0.0209414	0.01159105	0.42810943	0.0472121
0.78288733	1.2047586	0.11478496	0.01612991	0.40443798	0.00308754	0.00132036	0.1014174	0.00372105
1.56772904	1.70906739	0.16523935	0.03936405	0.84505394	0.03912852	0.00187236	0.06112283	0.00258315
1.82412156	1.67081894	0.27812619	0.06204643	0.84710929	0.06021662	0.00214878	0.02944845	0.00300877
0.20895377	1.13029628	0.05832797	0.01245788	0.32758348	0.02614009	0.00125006	0.17376581	0.00345821
0.03257779	0.13317633	0.01469559	0.0045403	0.09253822	0.17308568	0.00024817	0.01848323	0.00255087
0.20375786	0.44388627	0.03887729	0.01624973	0.73990292	0.01140537	0.00162478	1.5861069	0.00457352
0.48482575	0.9985895	0.07993052	0.02781579	0.37461036	0.04213349	0.00155949	0.25852847	0.00442329
0.6022271	1.74997845	0.05901364	0.00943723	1.24377637	0.00370966	0.00107426	0.03260545	0.00292857
0.13591967	0.39871978	0.03563419	0.01702498	0.24327071	0.13441313	0.00102933	0.19148305	0.00564508
0.21466776	0.77712308	0.06084749	0.01604823	0.48100885	0.00634869	0.00179737	0.23926292	0.00511897
0.38397703	1.17197247	0.09972929	0.02601645	0.85923618	0.03655878	0.0038836	0.20739609	0.01104148
0.8349463	1.32535974	0.08374935	0.01587169	0.42196988	0.00333847	0.00142772	0.11132815	0.00402233
0.33786519	0.66631303	0.09107866	0.0259545	0.12335249	0.00682402	0.00195291	0.14988049	0.00544805
0.6499653	0.78966266	0.24211991	0.09311424	0.47725268	0.14211357	0.00143396	0.06992885	0.00613507
0.55458959	1.38716036	0.0734501	0.01579374	1.5727346	0.03945798	0.00177021	0.17227159	0.00749025
0.65398526	0.7697793	0.17804743	0.02502728	0.59377553	0.00351407	0.00150178	0.10602713	0.0084475
0.28791914	0.87425854	0.06612168	0.01597787	0.54597625	0.01489893	0.00161051	0.17225436	0.00666239
0.29522732	0.54699905	0.05824022	0.02566947	0.38646351	0.13617875	0.00122132	0.1335311	0.00508814
0.32673421	0.60368901	0.06704299	0.03672174	0.35533466	0.02280512	0.00752296	0.34429337	0.06928398
0.42874103	1.18058774	0.07913048	0.01837632	0.44046699	0.00580798	0.00165106	0.19677767	0.00466417
1.75433584	1.28209956	0.33393898	0.09472032	0.73948312	0.04854414	0.00208164	0.04170417	0.0028976
0.29888973	0.92260225	0.07703783	0.01882244	0.66627962	0.03064351	0.00306655	0.165368	0.01087504
0.19037901	1.31717568	0.06718437	0.00760909	0.46061736	0.00795926	0.0013869	0.18877459	0.00375351
0.62321957	3.18569625	0.06650604	0.00965493	0.40682777	0.00334347	0.00148834	0.12212301	0.00386612
0.30950509	0.57713335	0.06439124	0.03056116	0.37333625	0.01443829	0.0055242	0.4710358	0.01341319
0.35861877	0.86482116	0.07203535	0.01503366	0.43386238	0.01568714	0.00172299	0.25910657	0.00458942
0.62844939	1.92604	0.10379911	0.02369568	0.40116652	0.00331551	0.00143325	0.14140151	0.00393968
0.28894912	0.69219418	0.07020149	0.03169312	0.45320293	0.02108001	0.00149859	0.6378371	0.01058534
0.22508965	0.79887324	0.06465659	0.02199996	0.32156759	0.00533702	0.00458479	0.52619224	0.00638271
0.32037889	1.18289492	0.07521722	0.02754135	0.65818422	0.01651546	0.00178165	0.2171223	0.00738195
0.35285786	0.64277204	0.07503806	0.03662438	0.44305121	0.02097898	0.00150802	0.45964223	0.01672414
0.68092744	1.23797743	0.12778474	0.03456341	0.47497108	0.03237572	0.00171978	0.15823692	0.00489144
1.12233012	1.57610198	0.12432587	0.04944066	0.53849185	0.01156945	0.00163989	0.1422299	0.00464983
1.02871011	2.16101198	0.10277072	0.02993194	1.58315983	0.02549249	0.00169641	0.05525855	0.00464978

1.1669661	1.77691376	0.09966449	0.01397348	0.66195016	0.00631055	0.00179365	0.1248854	0.00506852
1.56650651	3.81938685	0.19950631	0.03383822	2.83020719	0.03059533	0.00206946	0.02159013	0.00275595
0.65441478	1.85983086	0.11087338	0.01086829	1.33117845	0.02280357	0.00197372	0.20081518	0.00812988
0.43415639	0.67530248	0.13482053	0.05183229	0.35788035	0.01878223	0.0016142	0.33439258	0.0112387
0.8218483	1.54148444	0.06662895	0.00850653	0.50155002	0.00359198	0.00152317	0.07092984	0.00433811
0.49269277	0.61859503	0.11170648	0.05136678	0.30642906	0.02471377	0.00378813	0.30713051	0.04129816
0.32861768	0.64838317	0.10059859	0.02843963	0.13752937	0.00691448	0.00195749	0.14703807	0.00278766
0.12420103	0.39368914	0.03522446	0.0107931	0.1563014	0.00947149	0.00968985	0.81660013	0.01826072
1.07977584	1.03909509	0.52002671	0.11767961	0.61188214	0.10454096	0.00181629	0.09965711	0.00515152
0.60367395	1.72117856	0.05668483	0.00943732	1.26708123	0.0037094	0.00106543	0.03371732	0.00439758
0.39130464	1.41945528	0.11287738	0.02010411	0.99208193	0.0402726	0.00165554	0.1512852	0.0068485
0.9220201	2.10296194	0.12128702	0.01641245	0.58234273	0.00468234	0.00199382	0.1494744	0.00566043
0.23071961	0.39930008	0.03336968	0.01478829	0.22694877	0.00929058	0.00134679	1.00938257	0.00183703
0.50094521	1.81827846	0.10317937	0.02340263	1.70736328	0.04710018	0.00175995	0.13344792	0.00733432
0.34291601	0.63942669	0.0713477	0.03386185	0.41363109	0.01600427	0.00611704	0.52187824	0.01485923
0.49852669	0.58477749	0.11284973	0.04171536	0.75788077	0.04093204	0.0009451	0.04478015	0.00266425
0.2578481	0.80585702	0.05625738	0.02298034	0.6022163	0.0100698	0.00172608	0.33796301	0.00483572
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0.55084602	1.25247841	0.15277874	0.04681403	0.477116	0.01231027	0.00175186	0.22570125	0.00494133
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0.34935689	1.23403681	0.08465551	0.02808797	0.61211533	0.00781641	0.00343825	0.46368707	0.01369742
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1.74383104	1.27442229	0.33193891	0.09415367	0.73505395	0.04825171	0.00207267	0.04145857	0.00288511
0.19810883	0.5785101	0.04839962	0.01047045	0.1931351	0.0031387	0.00135162	0.16803249	0.00373152
0.24381477	0.32123021	0.04902321	0.01712648	0.22890218	0.0498771	0.00237152	0.16626333	0.01329923
0.51580603	1.0176045	0.10328222	0.03710305	0.34949777	0.04119588	0.00174246	0.20879889	0.00498698
0.97943747	1.03243252	0.1126723	0.02695961	0.32550937	0.03208578	0.00125269	0.07892308	0.00350136
0.07115367	0.1907371	0.01264096	0.00513655	0.11367936	0.08271784	0.00118745	0.19382974	0.0015385
0.22559448	0.52723111	0.08340399	0.03111372	0.3143311	0.04754708	0.00108842	0.12569566	0.002953
0.3362094	0.54301024	0.08453485	0.03894957	0.28945711	0.0213985	0.0030441	0.47994954	0.04292775
0.40956043	1.84549503	0.0899513	0.03365314	1.17147986	0.03314015	0.0020069	0.19093911	0.00861994
1.00814352	1.46672665	0.11865063	0.02184454	0.50048246	0.00383052	0.00163274	0.11901592	0.00461599
1.29798001	1.61047049	0.17136042	0.05632819	0.42301935	0.0359059	0.00153855	0.10203578	0.00430685
0.37306972	0.89507268	0.09080154	0.02644268	0.33605552	0.02176502	0.00171588	0.11521776	0.00234617
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0.14337319	0.34277511	0.03727982	0.01654159	0.2070306	0.01564975	0.0014883	2.5848762	0.0104054
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0.25593588	1.11647134	0.0638718	0.01892839	0.64923732	0.01325239	0.00189366	0.24179066	0.00791518
0.3174876	0.87297013	0.06908377	0.0172612	0.34330303	0.00660881	0.0014069	0.16490695	0.00399891
0.32085791	0.53508519	0.04936989	0.02253927	0.33116852	0.01632197	0.00315572	1.09402237	0.01282195

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1.014367	1.033666	0.68285722	0.13193641	0.5829277	0.0550174	0.00180337	0.08573779	0.00510251
0.32159196	0.94742808	0.08339437	0.01994573	0.63826922	0.03437735	0.00325469	0.20268941	0.01382375
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1.1034288	1.37244434	0.13094003	0.05626043	0.62170985	0.01636995	0.0017334	0.07157979	0.00494974
0.23888975	0.65025067	0.05186555	0.01537769	0.18708323	0.00538234	0.00615296	0.59515883	0.01076258
0.37445234	0.72305433	0.07871431	0.03836711	0.48161883	0.01729445	0.00492855	0.52110464	0.01845901
0.36009182	0.61854809	0.100675	0.04112788	0.32733441	0.0198438	0.0061647	0.36839455	0.01735103
0.98251224	2.7428735	0.15656962	0.03073758	1.3505434	0.00645565	0.00184743	0.02919959	0.00257511
0.58387634	2.98459234	0.05056269	0.00904776	0.38114545	0.00313644	0.00138728	0.11441623	0.00362673
0.21642421	1.06295959	0.05615167	0.01193171	0.30360899	0.02628427	0.00108055	0.18964385	0.00297891
0.23853827	0.63869183	0.07066691	0.01623954	0.19987504	0.00570332	0.00162429	0.25832987	0.00457588
1.41654563	1.53766322	0.24821612	0.05271389	0.7561338	0.04262823	0.00182731	0.05774064	0.0025554
0.6044634	1.85252657	0.07690715	0.02279081	0.38585289	0.0031904	0.00137916	0.13600451	0.00379101
0.19038807	0.32764965	0.0353084	0.0130051	0.29544415	0.04500352	0.00128551	0.04232264	0.00370992
0.13851398	0.32276406	0.05155712	0.01655017	0.12913778	0.01265892	0.00135165	1.24858161	0.00949365
0.18891268	0.34366711	0.03570456	0.01744331	0.53801484	0.01000983	0.00142094	1.43756632	0.01002326
0.30136368	0.51047504	0.06643663	0.02799794	0.33032174	0.01546482	0.00533308	0.52566865	0.19540818
0.21084288	0.34202993	0.03605999	0.01327444	0.3076631	0.04513435	0.0013231	0.04324051	0.00377615
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0.14039022	0.43654489	0.03503438	0.01150757	0.19088345	0.08085039	0.00114888	0.21794841	0.00325127
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0.41285832	0.97213588	0.08271483	0.02682928	0.3313787	0.01414534	0.0015031	0.18881659	0.00427313
1.22964807	1.66750306	0.14692451	0.04842508	0.43070204	0.03722922	0.00167201	0.15195014	0.00471211
0.25039769	0.42155284	0.04561105	0.02036224	0.22680869	0.01068515	0.00131316	0.87168113	0.00363164
0.15113211	0.33136047	0.05020273	0.01374819	0.246602	0.12480249	0.00112963	0.09497826	0.00471521
0.18490977	0.26909786	0.05832287	0.013108	0.20083751	0.10674155	0.00213904	0.16146401	0.01212944
0.12126988	0.34439278	0.04045151	0.01944088	0.19023161	0.21998249	0.00109005	0.23971338	0.00768708
0.88063488	1.22580249	0.15295777	0.04829034	0.47043613	0.05326835	0.00150727	0.05590876	0.00427819
0.13164186	0.43547553	0.03896967	0.01194595	0.17289279	0.0104762	0.01072486	0.90328255	0.02020281
0.39385889	1.25557206	0.10090699	0.02681266	1.28954564	0.03041217	0.0036998	0.21489893	0.01310864
0.5213846	1.55678981	0.05462745	0.00866115	0.34009425	0.00302296	0.00130777	0.13202715	0.00358931
0.40276394	0.72827958	0.06794038	0.07212711	0.42642889	0.150785	0.00358052	0.06696508	0.01023839
0.28758078	0.67057358	0.06722579	0.03034355	0.43472365	0.02017018	0.00143802	0.57362327	0.01010851
0.25725979	0.78757554	0.06928064	0.02068147	0.22498002	0.00542403	0.0046817	0.81612003	0.00645595
0.43175004	0.68297232	0.10649649	0.04215727	0.39583824	0.020417	0.00146679	0.3801349	0.01215299
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0.20239867	0.63946835	0.04161107	0.01172012	0.34701759	0.0123183	0.00131761	0.22672642	0.00553033
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0.30001624	0.49626216	0.05093721	0.02274602	0.30784223	0.01706337	0.00146306	0.86987895	0.00203454
0.55099301	1.9200046	0.09584579	0.01475614	0.87998058	0.02127153	0.00166715	0.16504882	0.00459857
0.17114018	0.22407721	0.03918764	0.01090507	0.15952178	0.12994612	0.00109369	0.1001676	0.0061043
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0.30886639	0.49986691	0.07779696	0.03515149	0.27135804	0.0193222	0.00274719	0.44020432	0.03105392
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0.7660563	0.87229202	0.20651468	0.03273065	0.65878643	0.03825419	0.00327246	0.10520959	0.00919817
0.26611207	0.95785751	0.06120063	0.02020996	0.51630329	0.0077199	0.00662678	0.86092194	0.04620976
0.13508527	0.30853726	0.06657455	0.01569259	0.22173426	0.04775823	0.00313126	0.25122995	0.01771112
0.46000563	1.31528691	0.13015723	0.03203298	0.35740067	0.0118013	0.00143786	0.16706927	0.00405425
0.16084476	0.43893726	0.0373638	0.01993289	0.30174142	0.01926054	0.00148491	1.4053188	0.01060529
0.15645139	0.50699135	0.03751515	0.01340881	0.22003568	0.01208602	0.00862517	0.70437358	0.01935362
0.12206536	0.3869292	0.03462133	0.01061421	0.15361763	0.00931451	0.00952924	0.80258487	0.01795806
0.14596616	0.49417137	0.03161931	0.01615917	0.24418016	0.0113482	0.0080506	0.65166383	0.01596212
0.2909034	0.8323063	0.06495227	0.01658108	0.66947447	0.01916232	0.00149677	0.15269346	0.00625683
0.31968267	0.81515877	0.08701454	0.0273215	0.31710242	0.01289899	0.0074087	0.14938623	0.0205213
0.18001264	0.54777267	0.04625511	0.01643882	0.20882431	0.01297348	0.00923365	0.84156304	0.01822174
0.22547709	0.37845303	0.05086458	0.0287515	0.6408225	0.0186303	0.00793954	0.2190088	0.30597015
0.77244962	1.64744623	0.08578917	0.01642027	0.78187664	0.00767499	0.00163677	0.06753304	0.00229823
0.12648408	0.40026573	0.03070447	0.00916022	0.16598178	0.1989361	0.0011703	0.24109683	0.00503551
0.79406286	2.13956942	0.09540125	0.01886555	1.67116928	0.00760389	0.00131939	0.02075326	0.00360146
0.54222416	1.97039586	0.1012774	0.0160279	1.19615705	0.01494895	0.00161113	0.16947837	0.00444688
0.42810684	1.32174297	0.12089776	0.03125906	0.35199352	0.00986283	0.00140329	0.16158622	0.00394798
0.33869496	0.55182893	0.06670001	0.03153747	0.33161683	0.01741608	0.00150192	0.91810161	0.0020773
0.18095237	0.62085513	0.0598727	0.0172523	0.53048385	0.04461894	0.00281712	0.13524545	0.00796913
0.5088841	1.50607159	0.0866398	0.02755465	1.21446594	0.03320505	0.003522	0.13224305	0.00753205
0.3560423	0.85421416	0.08665558	0.02523938	0.32071705	0.02077523	0.0016346	0.10996724	0.00223503
0.38366366	0.95504527	0.10289883	0.01668649	0.56312442	0.03514509	0.00449655	0.15972049	0.01482016
0.25145145	1.30461992	0.07005912	0.01840587	0.71533331	0.03230823	0.00367592	0.29461118	0.01297764
0.38881489	1.15494546	0.07726909	0.01805035	1.1178303	0.03780674	0.00149155	0.15175331	0.00610186
0.54191595	1.49211395	0.10268534	0.02218475	1.73147973	0.04880798	0.00362971	0.15113002	0.01020539
0.11602967	0.76876095	0.0176002	0.00838039	0.50143931	0.0968868	0.00107649	0.16498569	0.00301108
0.20211037	0.323147	0.0339487	0.01204293	0.29486548	0.00224288	0.00127096	0.04421911	0.00271673
0.30457859	0.45922866	0.07799052	0.03578645	0.23007102	0.0205618	0.01167756	0.37245958	0.15710715
0.82984897	1.36081027	0.13165824	0.0441791	0.48851507	0.00721856	0.00153025	0.10199881	0.00435963
0.32504341	0.92088052	0.08704651	0.0248455	0.31570284	0.01928064	0.0011684	0.18218432	0.00331889
0.33882536	0.63883428	0.06844337	0.0382536	0.40774836	0.02446175	0.00750867	0.31558197	0.06897582
0.62438512	1.14842552	0.10622052	0.02630653	0.43955394	0.02078724	0.0014807	0.16516558	0.00417637
0.18675209	1.2920791	0.06590532	0.0074599	0.45183802	0.0078032	0.00135971	0.18517574	0.00367991
0.78391686	0.79883038	0.52771976	0.10196172	0.45049182	0.04251344	0.0013927	0.06626306	0.00394342
0.36661746	0.64862038	0.08411778	0.04296493	0.41660122	0.02352209	0.00308893	0.41869238	0.04138704

0.27724648	0.54370632	0.06051637	0.02746366	0.3532888	0.01986478	0.00154783	0.89692552	0.01300348
0.62095549	1.90485859	0.09565503	0.00889289	0.49506714	0.00468564	0.00199	0.18711831	0.00284581
0.15399775	0.49903556	0.03692137	0.01320007	0.21658328	0.01189783	0.00848202	0.69331635	0.01903984
0.71425289	0.84954103	0.19705569	0.02718655	0.65643051	0.00381492	0.00326846	0.11872837	0.00914911
0.13042741	0.3087692	0.04434134	0.01585214	0.18493101	0.16131857	0.00112485	0.11334297	0.00295753
0.28289825	0.66580956	0.05014059	0.01980355	0.4366512	0.04854474	0.00298053	0.24472029	0.01242787
0.25781082	0.4327208	0.05816013	0.0328759	0.73271154	0.02129925	0.00908141	0.25040879	0.34984413
0.14296587	0.28988227	0.05911736	0.01264171	0.19636047	0.3165246	0.00252532	0.16774242	0.01247014
0.28145399	0.86523885	0.07235946	0.01680453	0.5841127	0.03187541	0.00301126	0.17985881	0.01283325
0.27936563	0.97659755	0.06685831	0.02339252	0.67141396	0.01023291	0.00175969	0.2075179	0.00489077
0.31517023	0.63013875	0.0427278	0.02332481	0.52872899	0.26343026	0.00141433	0.16624567	0.00766425
0.57301262	1.93004181	0.10481673	0.02392457	0.40533412	0.00334661	0.00144247	0.15038869	0.00397584
0.79120109	0.79191479	0.1353643	0.09828627	0.56699677	0.04288135	0.00152139	0.09623481	0.00432141
0.19029458	0.36083625	0.03748541	0.01830802	0.20531481	0.0105119	0.00149243	1.50939985	0.01052659
0	0	-0.00761251	-0.00161469	0	0	0	0	0
0.29871358	0.32936255	0.08745722	0.03963608	0.50050032	0.02567268	0.00341343	0.37650084	0.05108587
0.10387912	0.22989	0.02233222	0.01077341	0.13940711	0.19385756	0.00109032	0.12124505	0.00293155
0.13848265	0.35553033	0.05893649	0.01916573	0.23969103	0.0708755	0.00115886	0.14995594	0.00315941
0.70397199	0.90101583	0.2119027	0.02384881	0.59996147	0.00334239	0.00143529	0.08309652	0.00399825
0.12888893	0.34089409	0.03179094	0.01563526	0.18666463	0.06323384	0.00108254	0.29321258	0.00303774
0.14871323	0.41342801	0.03096028	0.01498674	0.29065932	0.01402653	0.00148936	2.12172751	0.01057656
0.35451942	0.44662128	0.9895372	0.16374973	0.27576189	0.08363496	0.00179909	0.03424421	0.00383295
0.25194822	0.33692058	0.04472061	0.01521176	0.24289495	0.1356895	0.00229276	0.11331189	0.00792718
0.744198	0.83012054	0.53877914	0.14606212	1.30284151	0.07060892	0.00129634	0.06268627	0.00357623
0.26623153	0.57459752	0.04286851	0.01357844	0.34588443	0.0523615	0.00272253	0.18339684	0.00951073
0.50754225	1.50210689	0.08641623	0.02748509	1.21126849	0.03312122	0.00351311	0.13189512	0.00751937
0.15331546	0.28791998	0.05596182	0.01299086	0.20437669	0.24598732	0.0023336	0.16511079	0.00985193
0.15526601	0.13993132	0.03818556	0.00765187	0.09339378	0.3400673	0.00205746	0.08840253	0.0116878
0.24372787	0.4954055	0.05108149	0.02136129	0.32708602	0.04335901	0.00121047	0.20490279	0.00662788
0.11149888	0.30754707	0.03171339	0.01440879	0.16464337	0.12910113	0.00107687	0.31369568	0.00459783
0.55336162	1.29898366	0.1155875	0.05119841	0.37823005	0.03654698	0.00147876	0.23775798	0.00419835
1.06842176	1.50039535	0.15864851	0.04706552	0.51262524	0.01101454	0.00155968	0.13539562	0.00443503
0.33623249	0.93739213	0.08487439	0.01136979	0.70922011	0.00598541	0.00382948	0.17650584	0.01441585
0.16634504	0.34737009	0.04365077	0.01715215	0.54772041	0.01084939	0.00154093	1.7110157	0.00436365
1.04344595	1.06329806	0.70243264	0.13571311	0.59963598	0.05659739	0.00185693	0.08819686	0.00524109
0.2910697	0.43777547	0.11008024	0.08925624	0.26151002	0.06355416	0.00099324	0.06004733	0.00429426
0.09395032	0.29456029	0.03164256	0.01131813	0.12883642	0.0102256	0.00579152	0.89258722	0.01443615
0.58695088	1.37671869	0.09862263	0.02239082	1.15926635	0.03537864	0.00167686	0.13262491	0.00710414
0.13826006	0.40558562	0.03624874	0.01732331	0.24745846	0.13672629	0.00104739	0.1947714	0.00573154
0.29170395	0.50337975	0.06935087	0.02856557	0.31193385	0.01427193	0.00123286	0.58417155	0.01360621
0.16144195	0.42996833	0.04018489	0.01882915	0.27546804	0.01444441	0.00152814	1.27330241	0.00875238
0.17951592	0.40774496	0.07633265	0.02874641	0.23106734	0.14820013	0.00108123	0.13796219	0.00447582
0.59006817	0.61420134	0.07441611	0.0190589	0.21831843	0.01652363	0.00074586	0.04332495	0.00208023
0.77366059	0.89746024	0.44606695	0.08957657	0.5327797	0.16808357	0.00152772	0.06927538	0.00645514

0.17297472	0.32405755	0.05835022	0.01303306	0.20163708	0.4723404	0.00096367	0.03689092	0.00420118
0.14566	0.38227633	0.04480162	0.01145595	0.22535578	0.05892878	0.00511297	0.28157552	0.02199643
0.09602918	0.28456261	0.03341734	0.01138737	0.12136506	0.01029052	0.00582394	1.0363434	0.01453791
0.27239998	0.66300833	0.0492565	0.01946489	0.42875579	0.04941273	0.00292479	0.23575179	0.01019323
0.32790431	0.55476692	0.09931191	0.10689528	0.30419531	0.12011835	0.00199744	0.05276092	0.0057113
0.24941232	0.36237262	0.04702773	0.01646894	0.26070103	0.0664488	0.00123279	0.12363484	0.00868358
0.41692208	0.90881181	0.09385923	0.02238737	0.31469008	0.00674823	0.00143173	0.2693477	0.00408398
0.41322522	0.51269885	0.05857473	0.01766011	0.43344831	0.0020621	0.00175693	0.05392063	0.00623474
0.28245921	1.02970578	0.11500719	0.02463659	0.65223065	0.04192375	0.00170327	0.31606075	0.00722027
1.16482092	1.93222869	0.21775843	0.04044218	1.00932992	0.00851481	0.00181375	0.06136075	0.00255401
0.63406261	1.86583648	0.09436698	0.01026443	0.5189696	0.00432821	0.00184017	0.09321412	0.00262694
0.23863451	0.38916551	0.05366584	0.02368866	0.31713454	0.13228736	0.00133543	0.25451936	0.00932283
0.25327062	0.40028084	0.03676717	0.02274906	0.35434843	0.0425287	0.0015571	0.04955532	0.00675505
0.28470528	0.7036804	0.09106196	0.02831448	0.27626975	0.01703829	0.00363143	0.15717433	0.01026553
0.18245091	0.80257577	0.04252274	0.01138932	0.21763269	0.02518185	0.00102595	0.14566426	0.0028886
0.29081423	1.06050223	0.08354902	0.01735319	0.30169531	0.03654556	0.00129485	0.17829336	0.0055031
0.58922772	1.0442611	0.12084171	0.03171075	0.40139977	0.01934191	0.00149652	0.1801665	0.00424922
0.38048512	0.77549279	0.10509864	0.02514823	0.28996484	0.00705613	0.00150373	0.35332209	0.00846621
0.2072965	0.48006179	0.06600537	0.02064035	0.2421093	0.02849995	0.00392948	0.22315358	0.01359989
0.38211099	0.50057804	0.08478172	0.04384016	0.26760242	0.02430009	0.00234352	0.40222397	0.09093986
0.31371162	0.57963052	0.06436477	0.03525049	0.34117297	0.02189626	0.00722707	0.33057014	0.06652234
0.21437434	0.77306371	0.05651955	0.01919511	0.45419586	0.00463283	0.00402701	0.80561322	0.00547499
0.16360151	0.34182103	0.06998356	0.02943137	0.19068832	0.3061187	0.00252244	0.22869326	0.0159348
0.52789944	0.91479408	0.15435596	0.02273244	0.58296002	0.00477782	0.00136009	0.07334888	0.00573507
0.62710761	1.37419816	0.08659997	0.01221256	0.36970554	0.00321625	0.00137027	0.10401783	0.00388993
0.25389485	0.68613685	0.06387876	0.01490299	0.25796728	0.00391456	0.00168016	0.2797591	0.00467253
0.11254652	0.24915761	0.02896773	0.01541999	0.14008499	0.2482333	0.00115906	0.14293416	0.00322705
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0.44187353	0.71770042	0.15352722	0.05049431	0.45756361	0.05592322	0.00122582	0.06467897	0.00515813
0.17761208	0.1864079	0.05103881	0.00746175	0.11444194	0.52722384	0.00332857	0.11514281	0.01750715
0.15770442	0.39431739	0.04059768	0.01463115	0.23188743	0.04746131	0.00110014	0.244096	0.00769823
0.25125488	0.51236194	0.05216419	0.01989123	0.38180713	0.11259136	0.00161524	0.03846586	0.00463235
0.35200821	0.56969115	0.08866208	0.04006097	0.30926129	0.02201223	0.00312181	0.50169138	0.03538204
0.39865634	0.5782229	0.11112813	0.04341154	0.26741077	0.01758063	0.0014994	0.39558816	0.02117635
0.46563796	0.60681863	0.07646497	0.1942968	0.36711715	0.12443644	0.00226854	0.04323411	0.00647675
0.67004155	0.74771289	0.16782821	0.02469281	0.64121796	0.00324932	0.00138936	0.09821651	0.0077696
0.30737664	0.36747442	0.07281521	0.03243856	0.17099106	0.02282539	0.00214588	0.32128098	0.02927486
0.24196818	0.88973691	0.06365588	0.02230153	0.67822037	0.0195724	0.00166817	0.39091448	0.01651356
0.12398648	0.35645306	0.02314095	0.01245031	0.19073456	0.09719926	0.00111095	0.24740346	0.0031866
0.39263061	0.62675815	0.11319857	0.047413	0.31073008	0.01997797	0.00170204	0.4966997	0.02170022
0.15588435	0.38977674	0.04013048	0.01446218	0.22921636	0.04690712	0.00108226	0.24128567	0.00761032
0.13608036	0.25472757	0.03351668	0.00897232	0.17418197	0.60249904	0.00291356	0.03780659	0.00834863
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0.21324233	0.33298476	0.03373699	0.01674493	0.2465493	0.02340818	0.00084718	0.10094335	0.00231744

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0.42402428	0.92381748	0.10658323	0.0506795	0.54458138	0.01974918	0.0016887	0.42220279	0.00713337
0.28299987	0.54051233	0.06496863	0.03030974	0.34378855	0.01216802	0.00129179	0.47802328	0.0146923
0.0678244	0.23355842	0.01400282	0.00477003	0.11523028	0.13169562	0.00085517	0.19063389	0.00364205
0.12547258	0.32289822	0.06595199	0.0126407	0.21910569	0.04142454	0.00251251	0.20746052	0.01250322
0.38711802	0.44188634	0.10051801	0.04715339	0.20806104	0.03928588	0.0038072	0.28443736	0.05534799
0.3770508	1.05569265	0.10985316	0.0329918	0.35849759	0.00867472	0.00445985	0.15345216	0.0207889
0.32221398	0.51560718	0.10880779	0.03783638	0.32341147	0.09711577	0.00106228	0.09527728	0.00599802
0.45843345	0.5865294	0.05677665	0.0116074	0.42646373	0.1059455	0.00260252	0.03938714	0.00737864
0.31083826	0.48705807	0.06866188	0.01638292	0.32189361	0.89965975	0.00208309	0.04977293	0.00600633
0.15697711	0.36713189	0.06341195	0.02160286	0.1782968	0.06968205	0.00227754	0.3019494	0.01134299
0.40954448	0.72251448	0.18719517	0.73595424	0.44204983	0.14419685	0.00250278	0.0409921	0.00710891
0.42286362	0.72950461	0.24194289	1.14900867	0.5681879	0.15748578	0.00269288	0.05235593	0.00741996
0.18849451	0.34057277	0.04422489	0.02219075	0.31289875	0.00375032	0.00158083	0.05106608	0.00458089
0.22063432	0.80153069	0.05873775	0.01882246	0.61994303	0.0089798	0.00154909	0.19385573	0.00426829
0.21943897	0.30518024	0.06940234	0.02291542	0.1781107	0.33474098	0.00281935	0.1415705	0.01699037
0.21445132	0.31848075	0.05350041	0.02785045	0.15323292	0.01802868	0.00867339	0.24594523	0.39406724
0.93105199	0.99022609	0.19627447	0.07450517	0.39763658	0.08501122	0.00141687	0.04495595	0.00401906
0.2513459	0.77877676	0.04617685	0.01031793	0.52026079	0.05422554	0.00398455	0.15106122	0.01301091
0.16937492	0.43687561	0.04423301	0.02176303	0.27579629	0.01588729	0.00300135	1.02961144	0.01066461
0.23283963	0.44438319	0.08713982	0.08806107	0.30312212	0.16787397	0.00184228	0.05823104	0.00646895
0.22106638	0.6730704	0.06239441	0.0206733	0.21618605	0.00724913	0.00310031	0.79201696	0.01090832
0.20132407	0.490627	0.05671441	0.0569585	0.43237747	0.17157861	0.00363884	0.04332042	0.00908656
0.1489692	0.34166758	0.05172671	0.01878545	0.20172664	0.03953211	0.00316472	0.27619507	0.01187761
0.11634153	0.33615838	0.03733667	0.01845681	0.18119332	0.33277993	0.0022156	0.23333819	0.00934953
0.07402137	0.17151647	0.01376654	0.01407868	0.12815372	0.27930617	0.00104699	0.0260634	0.00300462
0.25644802	0.58014631	0.08014737	0.03112872	0.35928228	0.03397972	0.00103609	0.17820804	0.00146027
0.49468141	0.67098407	0.16308452	0.39380806	0.44320031	0.07275677	0.00230838	0.03889895	0.00485729
0.16878665	0.29096947	0.01488924	0.00797011	0.1877335	0.50210476	0.00130115	0.03225956	0.0046123
0.27318845	0.44483275	0.08961111	0.03513338	0.23118807	0.01841345	0.00106514	0.22989552	0.00145833
0.21744746	0.35718168	0.05249073	0.02679715	0.47676545	0.010739	0.02066839	0.23368348	1.50135362
0.48643939	0.63312691	0.15032907	0.36232309	0.35572229	0.15682985	0.00218084	0.04156286	0.00621715
0.25913565	0.60987815	0.04593217	0.01814331	0.3999719	0.04446194	0.00272915	0.22416941	0.01139222
0.21846938	0.82208285	0.04145593	0.01721465	0.64877211	0.00983312	0.00142778	0.07906746	0.00194887
0.11486352	0.31186606	0.03218605	0.01644547	0.17559712	0.12760561	0.00104964	0.2568793	0.00450033
0.26747998	0.50546728	0.04594507	0.01405954	0.36571434	0.10076636	0.00106255	0.10591352	0.00584599
0.30678891	0.54715235	0.06849384	0.03815593	0.32701645	0.02343254	0.00857623	0.33170289	0.13890053
0.34793449	0.61190298	0.04540317	0.0397623	0.51847238	0.0093061	0.00197961	0.05651561	0.00561767
0.30301104	1.02824327	0.06565103	0.02542108	0.63619337	0.07599425	0.00146969	0.11902318	0.00381956
0.1161345	0.37654807	0.02768704	0.00825763	0.1585088	0.17406604	0.00105883	0.21431756	0.00451087
0.27164035	0.64835973	0.09044173	0.02534184	0.28486211	0.0204144	0.00267454	0.25417789	0.00757732
0.22044343	0.59089958	0.06640474	0.03168663	0.35695807	0.0397902	0.00135045	0.20978522	0.00579254
1.04181634	1.03651607	0.14062838	0.03003417	0.51513215	0.0105131	0.00150898	0.05551577	0.00418885

0.12987268	0.16322016	0.04955826	0.01602124	0.10456435	6.8343412	0.00118196	0.06041702	0.0069047
0.2317238	0.29171652	0.14235466	0.31380406	0.20409992	0.02810507	0.00085271	0.05308599	0.00364722
0.36135917	0.5992561	0.09153226	0.04237761	0.32990074	0.02421536	0.00631578	0.39176251	0.02710374
0.82965951	1.12713479	0.17382829	0.02607186	0.47842835	0.00470454	0.00133418	0.10139331	0.00379094
0.16793703	0.43972403	0.0415796	0.02126189	0.27882678	0.01726312	0.00146375	0.92777147	0.01048122
0.13874841	0.2487618	0.05151965	0.02826778	0.16675752	0.05830277	0.00344534	0.28310958	0.01644002
0.34210909	0.94207963	0.10438103	0.03213824	0.35810929	0.00889161	0.00304728	0.15580797	0.01490408
0.68384929	0.66120683	0.1721987	0.16622315	0.3947715	0.11813004	0.00249039	0.05252191	0.00701944
0.36870134	0.46448608	1.02912532	0.17029853	0.28679173	0.08698623	0.00187035	0.03561812	0.00398476
0.27498883	0.46125535	0.09369967	0.03725866	0.25105473	0.02349414	0.00448353	0.31384876	0.01562882
0.19078404	0.29502556	0.06753437	0.0233272	0.18784458	0.26261931	0.00273435	0.09908791	0.01155996
0.49592717	0.71786682	0.38384971	0.11667284	0.34226373	0.07302389	0.00189347	0.02890291	0.00399082
0.21441952	0.3848413	0.40134935	0.08127015	0.24037753	0.06087256	0.00140648	0.02457886	0.00304565
0.16002149	0.39991193	0.05565347	0.02078688	0.21313172	0.01456057	0.00499634	0.48514151	0.00696011
0.1374314	0.17272421	0.05243978	0.0169549	0.11065259	7.23221258	0.00125253	0.06393791	0.00731615
0.05161961	0.16360973	0.02697547	0.00478993	0.1935868	0.00504732	0.00537208	0.84449734	0.02440277
0.27132168	0.57358307	0.06509704	0.03037057	0.3765367	0.01676027	0.00130171	0.47951608	0.01102354
0.12905449	0.17153754	0.0331374	0.01460755	0.18091793	0.00766188	0.7983299	0.17567172	0.5808628
0.15295496	0.36842938	0.04934646	0.01680635	0.16524833	0.00884157	0.00377651	0.40858851	0.00532891
0.54919779	1.8421145	0.19519226	0.11347031	1.00475152	0.08586208	0.00106244	0.03810266	0.0044973
0.14724578	0.32108822	0.05672243	0.01609084	0.22890298	0.0711591	0.00289292	0.24259826	0.01835214
0.2743053	0.50360014	0.09612455	0.04010263	0.24167887	0.1557365	0.00135209	0.20506466	0.00370445
0.25884739	0.50790856	0.05819308	0.02896095	0.28138108	0.01649472	0.00481625	0.3060132	0.18518895
0.48705714	0.60969629	0.13718238	0.09601746	1.35697118	0.16759688	0.002744	0.08256021	0.00584129
0.25466419	0.58539443	0.06492738	0.02454393	0.39205851	0.08512432	0.00110273	0.11306868	0.00462775
0.39816197	0.62983826	0.09821147	0.03887616	0.36504151	0.01883122	0.0013588	0.35056697	0.01122103
0.12416352	0.40959318	0.02991898	0.0089225	0.17432392	0.20984928	0.00113665	0.25558442	0.00489482
0.2589262	0.4171517	0.02832814	0.01240413	0.24416481	0.77488999	0.00092942	0.04213722	0.00523187
0.2570323	0.43419582	0.06806405	0.03261391	0.21955747	0.01789353	0.01277834	0.28478481	0.24676279
0.28551068	0.66052556	0.05817311	0.01606984	0.48295157	0.02876694	0.00144448	0.19633824	0.00612335
0.54606351	0.74692291	0.19527145	0.11574732	0.36215704	0.08324182	0.00212881	0.03586577	0.00448304
0.14240125	0.25974515	0.08267663	0.11978907	0.16425955	0.15637322	0.0016152	0.06064276	0.00463257
0.16617319	0.65881631	0.02934764	0.01090312	0.33238916	0.01720819	0.00489566	0.2881425	0.02070052
0.3701258	0.422489	0.09611178	0.04508726	0.19892761	0.0375632	0.0036482	0.27195509	0.05292379
0.15549217	0.32300461	0.03579427	0.01496504	0.16926054	0.0052593	0.00148582	1.58151932	0.01060683
0.23968623	1.04036623	0.05765515	0.03143142	0.69046869	0.01932571	0.01407392	0.26530307	0.57725871
0.15116531	0.53652575	0.0514617	0.01673497	0.42876743	2.90768515	0.00214709	0.082626	0.01064585
0.43290565	0.74282043	0.21387278	0.56931011	0.44742316	0.13775713	0.00263579	0.04172133	0.00747861
0.1826352	0.30987318	0.04626929	0.01741238	0.15307524	0.24755606	0.00223141	0.11084395	0.01261604
0.26913804	0.68203393	0.08442207	0.01616994	0.41706838	0.05533865	0.00363221	0.13667481	0.01196364
0.26003316	0.64911868	0.03778078	0.0108029	0.38161142	0.05365209	0.0041569	0.19458259	0.01568188
0.17103509	0.4772323	0.06892107	0.01762408	0.31510124	1.20303163	0.00336569	0.07254564	0.00970487
0.18252869	0.22404285	0.06168536	0.01548193	0.13806639	0.72483353	0.00297226	0.11832233	0.01550561
0.30504067	0.44823961	0.20172915	0.10755548	0.28923562	0.07401865	0.00154328	0.02781434	0.0044334

0.25366162	0.67800858	0.05474453	0.02149897	0.40002809	0.03167721	0.00128743	0.15502666	0.00544172
0.24671132	0.27659156	0.13210312	0.09265514	0.1810078	0.16433816	0.00163962	0.05270219	0.0058013
0.49876313	0.67605626	0.16910247	0.05330821	0.47052456	0.04255546	0.00128843	0.08449864	0.00368304
0.14966962	0.45352612	0.03652268	0.01733888	0.20368724	0.10130312	0.00119075	0.28009359	0.00511771
0.1348989	0.21610343	0.03627354	0.0189711	0.29746745	0.0109002	0.01082635	0.1820958	0.49233698
0.50566118	0.69175207	0.07797192	0.15761087	0.43101378	0.11610636	0.0025272	0.05480006	0.00719597
0.22269302	0.25435994	0.03395089	0.01412433	0.18234595	0.12019999	0.00347085	0.19613543	0.02108042
0.04318084	0.09748727	0.01170792	0.00568012	0.18057716	0.09639628	0.00056196	0.02019853	0.00164526
0.20810637	0.68110178	0.05534152	0.02382671	0.38604525	0.09113131	0.00133228	0.20562761	0.00762566
0.06086718	0.13345382	0.03316437	0.00948946	0.07128642	0.00714686	0.0024273	1.22341752	0.01385401
0.18587644	0.35744023	0.07265514	0.03019528	0.20680918	0.47685563	0.00496456	0.22980641	0.03090919
0.20823734	0.28960239	0.06586597	0.02174231	0.16901897	0.31765883	0.00267569	0.13434173	0.01611715
0.30839456	1.02727541	0.07744754	0.0328887	0.64000383	0.03099347	0.00149178	0.1066265	0.00407911
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0.14380968	0.3009576	0.03946061	0.01512415	0.16159715	0.0088628	0.00150384	1.71904534	0.01071815
0.16690956	0.50809507	0.05789836	0.01927474	0.27139959	0.00405437	0.00347658	0.3258095	0.01618772
0.14613812	0.47086303	0.03830501	0.01053392	0.21247517	0.39502073	0.0026996	0.23813383	0.01723157
0.40026998	0.68735302	0.11762226	0.08391401	0.36199391	0.14489448	0.00325742	0.05169429	0.00933953
0.22277238	0.32901946	0.05623628	0.02932593	0.45630129	0.0160634	0.02313668	0.23104867	0.55063213
0.29863904	0.43487074	0.0792448	0.02967783	0.18802758	0.01277318	0.00121488	0.55967864	0.00512242
0.08835584	0.17202384	0.03848209	0.01598006	0.0938848	0.048492	0.00094212	0.15551782	0.00553242
0.21517424	0.82923496	0.0591041	0.02517819	0.69751762	0.02302016	0.00150125	0.1730506	0.00429479
0.09825077	0.30465499	0.02669027	0.01087209	0.14301137	0.0056787	0.62763008	0.16614201	0.74761959
0.04599726	0.1949501	0.01477514	0.01691243	0.13578234	0.76635124	0.00236517	0.05362523	0.00695427
0.26808599	0.70081284	0.04456969	0.01737305	0.48414536	0.06860249	0.00120993	0.18336275	0.00995588
0.05997078	0.21536766	0.02053145	0.00698713	0.10611804	0.05255648	0.00090226	0.20926882	0.00505913
0.56612506	0.99876427	0.11699134	0.11644528	0.53174013	0.17584545	0.00251492	0.0465278	0.00713116
0.25960934	0.50280893	0.07874038	0.02584432	0.43452175	0.04831228	0.00128919	0.14717195	0.00362342
0.05975675	0.22082242	0.01890548	0.00609463	0.1148182	0.04156736	0.00091707	0.22307347	0.00635958
0.18471808	0.31412888	0.06382425	0.02749239	0.18020156	0.00749848	0.00274462	0.25021388	0.01158799
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0.14100454	0.27067833	0.05385981	0.02177562	0.13243993	0.04826908	0.00206219	0.34117318	0.00726998
0.44181196	0.61090044	0.61941128	0.16042222	0.34170234	0.08755236	0.00188427	0.04355591	0.00392165
0.28037225	0.68486742	0.05098078	0.02083239	0.43728007	0.1369983	0.00156365	0.20575632	0.00659213
0.39931847	0.67688759	0.26594159	1.99351275	0.42200432	0.0287769	0.00117618	0.01984331	0.00328102
0.57747259	0.77687172	0.16613107	0.09995273	0.3502872	0.08082948	0.00104238	0.03743086	0.00443779
0.16997597	0.3784324	0.056316	0.02125837	0.22507839	0.04872624	0.00336421	0.27858514	0.01110792
0.08684507	0.31005769	0.02265689	0.00578474	0.12889278	0.32625853	0.0031202	0.18438684	0.0204853
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0.11256674	0.33426546	0.05414015	0.01471734	0.17877403	0.01028679	0.00890576	0.34825505	0.0152613
0.14787989	0.34007862	0.04061926	0.01825036	0.21011121	0.01569811	0.00149557	2.00853165	0.01045088
0.06718614	0.15180645	0.04238488	0.01224291	0.08146931	0.0198465	0.00084602	0.19796448	0.00719909
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0.153143	0.29988223	0.04760092	0.0249003	0.18247598	0.07761771	0.00303879	0.32121967	0.01157064
0.1485351	0.32596502	0.06004219	0.01998279	0.15988066	0.00839445	0.00481332	0.57322816	0.00835592
0.24335143	0.47364568	0.0768776	0.01733855	0.30967767	0.76280403	0.00206971	0.05685573	0.00886953
0.07334288	0.22741538	0.01992249	0.00811677	0.10674742	0.00424342	0.46851099	0.12402699	0.55807572
0.30312079	0.36238817	0.07181469	0.03198154	0.16862593	0.0225107	0.00211041	0.31683055	0.028867
0.15548597	0.38612398	0.0528529	0.02084606	0.21330205	0.02705727	0.00221467	0.24807633	0.00771556
0.13129985	0.24382658	0.07927594	0.06193294	0.1932761	0.3238599	0.00191164	0.07668447	0.00681265
0.11073773	0.3270157	0.03674145	0.00994597	0.20932515	1.98252256	0.00295744	0.07733518	0.00988924
0.14497491	0.34092614	0.05173476	0.01669527	0.15093195	0.00732991	0.0024947	0.41026864	0.0035398
0.19418141	0.74918028	0.04687472	0.02393455	0.42575785	0.00958877	0.01845935	0.20868366	1.34071364
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0.25187074	0.42694344	0.06182082	0.02684966	0.3126944	0.08073115	0.00105606	0.17125846	0.00725529
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0.07140276	0.22104116	0.01880935	0.00853861	0.11004346	0.00523659	0.74506893	0.15123711	0.60810848
0.23733914	0.91569444	0.05728916	0.02925223	0.52038282	0.01172193	0.0225644	0.25506198	1.63868405
0.02206388	0.01691035	0.03988177	0.03485367	0.01483915	0.00799074	0	0.0006662	1.4149E-05
0.06833	0.28431657	0.01787703	0.00405522	0.36016816	0.26048642	0.00182328	0.18089799	0.01283841
0.2282322	0.59461979	0.0765731	0.02902057	0.33583357	0.07837961	0.0011335	0.18895595	0.00480229
0.17505254	0.37516936	0.06125656	0.02810484	0.23170898	0.04305596	0.00115025	0.27714669	0.00324466
0.4987131	0.74611889	0.2533921	0.1514596	0.38027503	0.03373976	0.00087821	0.02123982	0.0036675
0.14656304	0.42241052	0.05392274	0.01684232	0.20626167	0.01615015	0.00410663	0.36783263	0.00390934
0.60266413	0.82434262	0.21550565	0.12773455	0.3996981	0.09186815	0.00234348	0.03957213	0.0049351
0.24834739	0.3458615	0.06843296	0.02296187	0.21741572	0.23719964	0.00179977	0.09380375	0.00881173
0.15429919	0.32860169	0.04465233	0.02348035	0.21041523	0.14370871	0.00124626	0.20336123	0.00695326
0.32116465	0.81227108	0.07068596	0.0293881	0.35183243	0.00420718	0.00241639	0.3457769	0.01675265
0.03698086	0.16189125	0.01195751	0.00407489	0.09441334	0.05143583	0.00146435	0.16753213	0.00722972
0.09691093	0.2753281	0.03573442	0.0132697	0.17585759	0.68803956	0.00199539	0.05455889	0.00977597
0.26833043	0.5361839	0.10147869	0.10572838	0.34772372	0.16081479	0.00295498	0.04801583	0.00707731
0.16991379	0.2564608	0.04540533	0.02321786	0.39165971	0.01226536	0.03483388	0.16155229	1.59011669
0.25928826	0.49404483	0.05660973	0.02817499	0.58025057	0.01604807	0.00468878	0.29766665	0.18013855
0.02507234	0.01920481	0.04531196	0.03959788	0.01686812	0.0090783	0	0.00075103	1.5574E-05
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0.5483828	0.65571917	0.12528017	0.12292502	0.34952419	0.14953805	0.00227336	0.05403296	0.00644071
0.17918129	0.31267114	0.05876571	0.02632269	0.13717841	0.06849813	0.00094344	0.01700797	0.00201369
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0.27556343	0.61249454	0.04141733	0.05374857	0.45721547	0.13845083	0.00308019	0.06288254	0.00870488
0.46428836	0.63549955	0.17007517	0.09816431	0.84626203	0.07165503	0.00180689	0.03041547	0.00379205
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0.28372787	0.35841103	0.08387058	0.04949585	0.17480696	0.07432261	0.00134343	0.02909964	0.00286413
0.22068263	0.33076998	0.10437838	0.02668012	0.20042928	1.47339122	0.00104053	0.11853814	0.00740604
0.22114714	0.37296143	0.05167185	0.02983477	0.22285571	0.01812797	0.00618208	0.24686649	0.51712304
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0.23255936	0.4173961	0.43530319	0.08098604	0.8592083	0.06602752	0.00152148	0.02666069	0.00330159
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0.18147116	0.30707462	0.05553923	0.01989923	0.15872021	0.25434379	0.00268347	0.12462234	0.01508068
0.1505234	0.19636691	0.04280502	0.0222854	0.09024319	0.01344485	0.01137441	0.20466097	0.18360939
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0.31814252	0.33656791	0.13672023	0.79858127	0.17848502	0.09832054	0.00092485	0.04901781	0.00396978
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0.17215131	0.26093054	0.04821805	0.02517346	0.12146611	0.01595524	0.00807165	0.2253121	0.34856138
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0.00675955	0.06227591	0.00257957	0.00075543	0.0425915	0.00197595	0.00338231	0.06211439	0.02517423
0.01436005	0.06079228	0.00722839	0.00158023	0.07992118	0.00166383	0.00425761	0.16089771	0.03342321
0.03050379	0.1176668	0.01810388	0.01389728	0.07607495	0.06483366	0.00016797	0.00734057	0.00024337
0.02830914	0.01826753	0.10884143	0.00583158	0.01713675	0.0078233	0	0.0003302	0.00016429
0.02799509	0.0324837	0.00511242	0.00569847	0.02703859	0.01752813	0	0.00097914	0.00026727
0.01467295	0.03123015	0.08424481	0.01206232	0.02312511	0.00658138	0	0.00018442	0
0.02394252	0.1358205	0.01288478	0.00472794	0.09999544	0.10298021	0.00022055	0.01361632	0.00096412

0.01141609	0.1529248	0.00590876	0.00129171	0.09477331	0.00818639	0.001546	0.09381899	0.0121302
0.0561476	0.24014307	0.02402142	0.00873065	0.18205927	0.25226091	0.00070553	0.02318344	0.0046173
0.0273811	0.04894179	0.01670458	0.01780991	0.0360494	0.02824565	0.00024262	0.00197803	0.00026787
0.0037151	0.02753032	0.00217435	0.00063575	0.019973	0.00100815	0.00366847	0.04821233	0.02495718
0.08018084	0.27459708	0.02152349	0.01098365	0.10992411	0.00231032	0.30535966	0.17171319	0.54447894
0.01854945	0.03292316	0.03261919	0.01542697	0.02303272	0.00682854	0	0.00021557	0
0.03727553	0.16576628	0.01584675	0.00463809	0.11435362	0.14785209	0.00022893	0.01601686	0.00134117
0.01046829	0.02746556	0.07563243	0.052415	0.01746908	0.00786946	0	0.00032205	0.00021033
0.00064902	0.00026395	0.01677789	0.00288161	0.00027205	8.0734E-05	0	0.00012403	0
0.00613022	0.0064062	0.01597941	0.00382432	0.00543058	0.00169387	0	0.00012724	0
0.05819132	0.11464976	0.09540722	0.13780986	0.07439866	0.04248665	0.00026363	0.00447909	0.00071999
0.01000155	0.04739474	0.0066776	0.00490869	0.03300163	0.02028776	0	0.00090261	0
0.0249416	0.03288098	0.13226123	0.00891921	0.02713072	0.01269998	0	0.00023224	0.00021992
0.01605977	0.04221808	0.08441059	0.06826767	0.02657853	0.01281789	0	0.00063481	0
0.0079634	0.00741434	0.17605653	0.01731543	0.00650243	0.00472686	0.00023592	0.00023319	0.00021566
0.00176318	0.00550692	0.00066161	0.00142595	0.0041085	0.00222671	0	7.7862E-05	0
0.00128283	0.00048092	0.06822692	0.00365804	0.00065081	0.00023709	0	0.00014977	0
0.02147111	0.10949386	0.01413204	0.00975615	0.07600663	0.07254905	0.00016839	0.0090489	0.00048472
0.01744509	0.09786464	0.01294497	0.01108704	0.06803198	0.06275566	0.00015056	0.0084451	0.00042144

MI	MN	MS	MO	NE	NH	NJ	NY	NC
0.86447387	0.03578981	0.00272287	0.14807695	0.01331622	0.00349976	0.06528263	0.19123522	0.0962154
2.43383738	0.03254989	0.01288411	0.3795875	0.01049771	0.00275232	0.03182225	0.11199459	0.0911033
1.36522076	0.02594322	0.01401644	0.24574428	0.00914882	0.00295239	0.02376013	0.16743374	0.24158702
0.39885476	0.02033773	0.00309635	0.12802408	0.00605643	0.00197783	0.03346955	0.11929485	0.0988092
2.45518606	0.03282609	0.01299544	0.38290508	0.01058675	0.00277829	0.03208763	0.11297623	0.09189972
1.38289361	0.02628028	0.01418836	0.24892667	0.00926763	0.00299074	0.02406885	0.14710416	0.24471681
0.78352516	0.07483153	0.00301902	0.16909728	0.01031061	0.00197066	0.00868938	0.1142729	0.03566314
0.29987152	0.01315914	0.00325953	0.19701286	0.00795371	0.00209697	0.03159304	0.12427286	0.06894911
1.14659307	0.02795748	0.01290193	0.34549244	0.01079865	0.00238995	0.02748103	0.10582333	0.08418142
0.11040876	0.01167596	0.06610092	0.17159167	0.01136036	0.00204185	0.03501865	0.04746367	0.26909342
0.35430288	0.03940163	0.01604022	2.56817473	0.03357481	0.00296384	0.00525755	0.02656142	0.06648857
1.02746551	0.02184152	0.01178014	0.30929156	0.00766253	0.00255706	0.02481714	0.17664323	0.10327503
0.3924028	0.0262403	0.00519231	0.1191237	0.00845921	0.00444342	0.06119059	0.14742109	0.18050827
0.55489502	0.05541979	0.01326457	0.52796246	0.02590236	0.00244879	0.01085401	0.06748537	0.08837441
0.49179616	0.02632182	0.01303567	0.31825681	0.01063389	0.00274864	0.02965983	0.14551742	0.26512754
0.25056222	0.02389313	0.01892821	0.59245121	0.01622073	0.00298122	0.01602406	0.07190082	0.08456573
0.25046309	0.02388292	0.01891809	0.59222504	0.01621082	0.00298122	0.01601265	0.07186849	0.0845296
0.25529093	0.02435261	0.01929221	0.60363284	0.01652771	0.00304492	0.01633223	0.07325905	0.08616468
0.39087315	0.01397994	0.00306745	0.12551476	0.00750797	0.00198292	0.03161089	0.094398	0.10432926
2.31084836	0.03090296	0.01222624	0.22669365	0.00996342	0.00260951	0.0302069	0.12433996	0.08649491
0.52239014	0.05217686	0.01248489	0.49702691	0.02397698	0.00230471	0.01021613	0.06353661	0.08319911
0.4392073	0.02206251	0.01454024	0.58919318	0.01776292	0.01175702	0.59205715	1.3124913	0.13820899
0.10782027	0.01082142	0.03616638	0.17655336	0.00919468	0.00333661	0.0375681	0.05319836	0.2180296
0.22793386	0.0270579	0.01029751	0.22329346	0.01407401	0.00265709	0.05891601	0.11478088	0.10506749
0.38337405	0.04263732	0.01736678	2.77885457	0.03633398	0.00321301	0.00568698	0.02874419	0.07194542
1.01232812	0.04137919	0.01362925	0.20977983	0.01163286	0.00223164	0.02949065	0.08125963	0.0802877
0.6682406	0.03741011	0.00388996	0.13497292	0.01139884	0.0025355	0.04030846	0.18193641	0.03579813
0.91574943	0.08083742	0.00545083	0.33565943	0.01594435	0.00237061	0.01045877	0.11089621	0.0889001
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0.90496803	0.07202204	0.00331227	0.21078438	0.00969912	0.00214918	0.009512	0.10422862	0.04063875
0.98762423	0.08160265	0.00167979	0.23715316	0.01644677	0.0021476	0.00956879	0.09381083	0.04769031
0.94545078	0.09073841	0.00517634	0.32692729	0.02020801	0.00224374	0.00793329	0.06083	0.08612304
1.28883633	0.02449286	0.01322764	0.23200254	0.00863395	0.00278624	0.02243377	0.13709735	0.22807585
1.26495488	0.02403323	0.01298493	0.22770369	0.00847553	0.00273512	0.02202214	0.13455368	0.22384569
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0.29672075	0.01566302	0.01549159	0.37433118	0.01261042	0.00333673	0.05025878	0.11603693	0.10228541
0.75926925	0.0354538	0.00412173	0.26702562	0.0120842	0.00267886	0.01656301	0.22113761	0.04348277
1.0958036	0.02406521	0.0108076	0.22450085	0.01263518	0.00285662	0.03759432	0.1881524	0.09000424
0.73738238	0.03017667	0.00156933	0.1056667	0.00767538	0.00202629	0.04492542	0.24119449	0.05118103
0.25086954	0.02392376	0.01894843	0.59317152	0.01624053	0.00298122	0.01604689	0.07198975	0.0846651
0.9514143	0.07628655	0.00351417	0.23862525	0.01027438	0.00227254	0.01006056	0.10956883	0.04313722
1.36901855	0.03659002	0.01406855	0.23900254	0.0137339	0.00260709	0.03231725	0.09257406	0.09520268

0.91151614	0.06562395	0.01081491	0.15905948	0.00904895	0.00199305	0.01770917	0.12776186	0.08422839
0.6132168	0.05949155	0.01422556	0.53785313	0.02536148	0.00262879	0.01163397	0.07404459	0.08943081
0.26769265	0.02552685	0.02022244	0.63295597	0.01732984	0.00318506	0.01711973	0.07681656	0.09034738
0.78199524	0.02809265	0.00213524	0.19451591	0.01045945	0.00273189	0.04625262	0.18960825	0.07195533
0.48400965	0.02166007	0.00152806	0.13609614	0.00748093	0.00195504	0.03659879	0.11412773	0.05016277
0.23900082	0.01276247	0.01444836	0.22528952	0.00707083	0.00227872	0.06982853	0.10313536	0.21382607
0.31042033	0.03615904	0.01145745	0.39795511	0.01468601	0.0012212	0.00653319	0.04550333	0.03627292
0.32661839	0.04732153	0.01477692	0.33837022	0.0120238	0.00319704	0.06219731	0.21414534	0.14693854
0.35887361	0.02977086	0.0113303	0.24571248	0.01548834	0.00293197	0.06484008	0.12629971	0.11561789
0.9024989	0.07474421	0.00160911	0.17005172	0.00942986	0.00206081	0.00915247	0.10835018	0.03699709
0.55635411	0.05397281	0.01289919	0.48797939	0.02300813	0.00238031	0.01054476	0.06717658	0.08114006
0.28071926	0.01232007	0.00304695	0.11508271	0.00744918	0.0019537	0.02958161	0.11633145	0.0645449
1.30508602	0.02479927	0.01338944	0.15341644	0.00874287	0.00282458	0.02270818	0.13882354	0.23094411
0.24451518	0.0129092	0.01276791	0.30847393	0.01039494	0.0027479	0.04141485	0.09562655	0.0843005
0.33581711	0.03048978	0.01508	2.09118938	0.04205554	0.00279964	0.00493905	0.03152432	0.0756313
0.56055168	0.0330681	0.00217662	0.34748722	0.01278013	0.00562495	0.02533426	0.24804298	0.1796162
0.48954917	0.0458673	0.0139652	0.52685955	0.01877146	0.00446754	0.27806143	1.57769297	0.14297422
0.78039405	0.07231256	0.02230558	1.09446138	0.0500757	0.00290298	0.01026176	0.08038914	0.11919596
0.22533418	0.02647628	0.01749169	0.63038792	0.01501098	0.00271857	0.0073555	0.03899823	0.02162998
0.94475532	0.06721892	0.00170661	0.16016531	0.00838731	0.00209924	0.00951647	0.11245475	0.03714276
0.25557518	0.03033392	0.01154294	0.2503773	0.01578505	0.00298432	0.06606894	0.12869916	0.11780996
0.31214106	0.01082702	0.01427082	0.20146601	0.00871116	0.00463295	0.14749851	0.1945818	0.26781414
0.65327134	0.02357751	0.0379003	0.82853481	0.03088105	0.00247383	0.01310006	0.06663298	0.1591346
0.2404911	0.02657288	0.01532798	0.32296316	0.01495692	0.00285635	0.04788641	0.11215564	0.07086229
0.44085083	0.05364507	0.01548781	0.19112009	0.01298678	0.00281665	0.07027675	0.14347994	0.27679218
0.6282335	0.03357903	0.01868835	0.2536006	0.01623253	0.00534958	0.06644492	0.21951585	0.23796034
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.23797997	0.01658642	0.01823072	0.355812	0.01069418	0.00234351	0.03330771	0.06679654	0.07725532
0.32590745	0.03832463	0.01782964	0.1751004	0.01304942	0.00581447	0.09745951	0.14913547	0.44473703
0.41075599	0.01804724	0.0079302	0.29135894	0.01742287	0.00514279	0.06144326	0.0686813	0.15485249
0.21703255	0.04203869	0.00990544	0.56443292	0.01162887	0.0025294	0.00450728	0.08271965	0.03690813
0.44961368	0.02206496	0.01454471	0.63487696	0.01952791	0.00472769	0.32462697	1.27208906	0.21990165
0.90930902	0.07237036	0.0033224	0.21179425	0.00974856	0.00216237	0.00955857	0.10472619	0.04083404
0.31044812	0.01076556	0.01419992	0.20037472	0.00866172	0.00461979	0.14669609	0.19352272	0.26635692
1.3921244	0.04118029	0.0150006	0.26136349	0.01464336	0.00279221	0.03693013	0.09863644	0.09960297
1.82539041	0.0244073	0.00965549	0.28468536	0.00786586	0.00206424	0.02386091	0.08399604	0.06832973
0.73710129	0.02846454	0.00650364	0.35580043	0.01061267	0.00274382	0.0109892	0.13543508	0.14234698
0.4670638	0.03280809	0.00811607	0.27208273	0.01389297	0.00260319	0.01386089	0.132107	0.03952913
0.96066131	0.02393849	0.0172329	0.20766818	0.01052917	0.00275526	0.03676368	0.07549711	0.13739753
0.22462862	0.01143162	0.00251066	0.10257713	0.006133	0.00161765	0.02583717	0.07714307	0.0852629
0.24256956	0.01280682	0.01266665	0.30601741	0.01031581	0.00273481	0.04109029	0.09486573	0.08362319
0.24884011	0.03703154	0.01542476	0.27319049	0.01130885	0.00246751	0.03298232	0.12059813	0.06988401
0.87914113	0.07049005	0.00324073	0.22049943	0.00950306	0.00210177	0.00930544	0.10124493	0.03986412
0.48898282	0.08183377	0.010115	0.83240771	0.03457757	0.00217174	0.0038594	0.07706887	0.04303231

0.38378935	0.03044527	0.00633835	0.10831889	0.00928725	0.00205413	0.02540577	0.10683538	0.06278156
0.29862114	0.02625021	0.0189051	0.58665185	0.01618549	0.00300351	0.01874083	0.08615914	0.08829242
0.66627222	0.07220845	0.00964896	0.41485381	0.02828787	0.00249743	0.30974111	1.32476873	0.21586484
0.37176813	0.04019569	0.0108579	0.38939153	0.01885553	0.00156715	0.00693413	0.04175226	0.05928207
0.55514512	0.02299019	0.00175114	0.15197083	0.00854771	0.00225078	0.04192368	0.12280493	0.0617838
0.91192003	0.04427901	0.01613202	0.22937988	0.009009	0.00299238	0.0290631	0.09961465	0.20856859
1.01921546	0.02172838	0.01289825	0.26208859	0.01052194	0.00272731	0.03660117	0.16129995	0.1758347
0.28334844	0.02758626	0.01258473	0.27067645	0.01432198	0.00274642	0.05805195	0.13258483	0.07509173
0.51979362	0.06274808	0.01242406	0.49454022	0.02426074	0.00229134	0.01016905	0.0632082	0.08275866
0.38649339	0.01900856	0.01254083	0.49437066	0.01379164	0.02213764	0.50912691	0.56033361	0.19800551
0.86511629	0.08789442	0.0034757	0.1818514	0.01186021	0.00228465	0.01002089	0.12948249	0.040932
0.30120141	0.01044802	0.01377453	0.19441436	0.00840463	0.00447501	0.14233461	0.18776269	0.25842889
0.38561567	0.04288306	0.01745792	2.79512604	0.03654166	0.00322613	0.00572179	0.02890852	0.07237274
0.96948324	0.0409608	0.01180399	0.24845802	0.01645759	0.0022006	0.02333554	0.13505862	0.11497563
0.25985602	0.04292407	0.01787084	0.73647951	0.01528099	0.00289129	0.00511109	0.08136841	0.05507389
0.17531006	0.02168697	0.01669583	0.6926312	0.01399328	0.00305009	0.00813613	0.05313287	0.05495315
0.43219322	0.01850694	0.00130569	0.07126566	0.0063913	0.00167661	0.03281243	0.09908219	0.04506538
0.49535196	0.04701596	0.01432173	0.530264	0.01752325	0.01134049	0.64961228	0.81946535	0.18015579
0.32559698	0.04716789	0.01472628	0.55443697	0.01198424	0.00318389	0.06201128	0.18025778	0.14647639
0.2324285	0.02568132	0.0148113	0.31213436	0.01445275	0.00276379	0.046277	0.10839818	0.06848689
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0.2587963	0.04275004	0.01779996	0.73347872	0.01521176	0.0028782	0.0050995	0.06880249	0.05484216
0.74389855	0.02714304	0.00383776	0.1449196	0.00936566	0.00247685	0.02416543	0.18087762	0.08430575
0.32032035	0.02908665	0.0143812	1.9946554	0.0401174	0.0026682	0.00471825	0.03007296	0.07213694
0.29901556	0.01740957	0.01721616	0.69295202	0.01921401	0.00319126	0.03668197	0.041741	0.10371196
0.85160222	0.0237965	0.01008038	0.28012669	0.00820492	0.00219591	0.0290222	0.14778942	0.08820085
0.72357832	0.0550764	0.00389512	0.30566269	0.01143166	0.00247436	0.01326979	0.20275129	0.0466614
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0.0905747	0.0050499	0.007497	0.42531855	0.00488929	0.00159871	0.00994046	0.01675475	0.03993417
0.1277637	0.00938021	0.04381837	0.12162089	0.00911685	0.00164367	0.022299	0.0259261	0.30863746
0.69357839	0.03007415	0.00991388	0.15354085	0.0096817	0.00257103	0.03181674	0.10259414	0.11500743
0.1731815	0.01541675	0.01906878	0.37142443	0.01118003	0.00244248	0.04349376	0.06704668	0.11458681
0.86669231	0.02160702	0.01554301	0.29523614	0.0095	0.00248361	0.03317136	0.06811045	0.12395902
0.3654455	0.04064061	0.01654655	2.64892221	0.03463299	0.00306876	0.00542004	0.02739852	0.06858939
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0.52917646	0.04957964	0.01509861	0.56950672	0.02029535	0.00483012	0.30056907	1.70540335	0.20883287
0.32960673	0.03219961	0.01061071	2.58058685	0.02896561	0.00278205	0.00490549	0.02735479	0.06102382
1.01835714	0.07235892	0.00817364	0.5866945	0.02394807	0.00265915	0.02817205	0.36881048	0.08248272
0.21925806	0.01383109	0.01710523	0.3331535	0.01003235	0.00219563	0.03901512	0.06014185	0.10277922
0.96252225	0.07172551	0.00338191	0.19068803	0.0099002	0.00218622	0.0096695	0.11116163	0.04309818
0.24324224	0.02888019	0.01098604	0.23829525	0.01502349	0.00284034	0.06288086	0.12248879	0.11213374
0.66088758	0.04775273	0.0072757	0.23046734	0.00891727	0.02494163	0.04357964	0.28633408	0.10800403
0.33338958	0.01681187	0.01496616	0.40293763	0.00974153	0.00214893	0.13062806	0.10140232	0.19932346

0.15663727	0.01535158	0.01898194	0.38072008	0.01112833	0.00245298	0.03905461	0.06197791	0.08534478
0.41917596	0.03969815	0.0094201	0.13505009	0.009195	0.0040863	0.04628327	0.14934595	0.26974671
0.60889277	0.02153128	0.0191734	0.36581348	0.01040666	0.00275063	0.03893035	0.06495428	0.15217649
0.29246951	0.01014073	0.0133694	0.18876879	0.00815744	0.00434339	0.13820571	0.21600021	0.25093559
0.88383715	0.06288977	0.00159553	0.14983955	0.00785195	0.0019626	0.00890904	0.10521025	0.03474644
0.66105162	0.08830496	0.00870132	0.52773431	0.02039626	0.00226918	0.00600964	0.09216108	0.09764321
0.60188976	0.04018119	0.01223473	0.46161793	0.01644606	0.00391071	0.24363076	1.38234122	0.16926519
0.76924124	0.04499634	0.00222737	0.29018177	0.01304653	0.00287439	0.04071824	0.26941502	0.00783996
0.36179381	0.06280696	0.04363714	0.97416843	0.07404657	0.00218893	0.00964056	0.06053137	0.14560218
0.51202267	0.04858929	0.0147971	0.35577076	0.01810736	0.01172491	0.67146959	0.84703756	0.18620904
0.619528	0.09824972	0.00298848	0.23577176	0.01166543	0.00195564	0.00687783	0.11437462	0.01569438
0.41050247	0.05115393	0.01897635	2.14725696	0.0226781	0.00269866	0.00480962	0.02145944	0.03917091
0.25641768	0.06883231	0.02431394	3.98826901	0.02611772	0.00314852	0.00557203	0.01877709	0.03845838
0.77182263	0.02706017	0.01408947	0.12698864	0.00826112	0.00180695	0.01607331	0.07811369	0.09210652
0.02625608	0.00673086	0.02632698	0.03996684	0.00310227	0.00076304	0.00636661	0.0111142	0.04172243
0.28964103	0.02233581	0.01104139	0.27270882	0.00897703	0.00240166	0.04562597	0.12589918	0.21798668
1.26071621	0.03765646	0.01241127	0.24294373	0.01383887	0.00231762	0.02654373	0.16910612	0.11155495
0.08698639	0.00485586	0.00720374	0.39306448	0.00470116	0.00153484	0.00955187	0.0160855	0.03727775
0.14817368	0.01750083	0.02887506	0.1706108	0.00790799	0.00146975	0.03672738	0.05009829	0.28396137
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0.42529133	0.01668085	0.03850908	0.35293052	0.01075281	0.00177319	0.03300004	0.05457916	0.09584168
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0.26597418	0.01415247	0.00778463	0.31998769	0.01368121	0.00400077	0.53461189	0.62967355	0.2059669
0.91972617	0.02120076	0.01145108	0.28325222	0.00936171	0.00238762	0.01716162	0.05807303	0.17825864
0.94380415	0.07798269	0.00160896	0.22662991	0.01572438	0.00205704	0.00914275	0.0896463	0.0455747
0.2907326	0.02235988	0.01530731	0.47063653	0.0149375	0.0022205	0.11454925	0.10498215	0.21232248
0.54862844	0.02961134	0.00344226	0.18902403	0.01178058	0.00444121	0.02562494	0.1728864	0.1153835
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0.20041023	0.01621571	0.0114429	0.29707196	0.01338956	0.00301411	0.04763322	0.08656696	0.13148802
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1.02696918	0.10244188	0.0014672	0.13618643	0.00718471	0.00187377	0.00835421	0.11208406	0.03647018
0.26205992	0.02757722	0.05586346	0.44124467	0.01328151	0.00358393	0.0188943	0.04438511	0.22075183
0.40719477	0.02140131	0.01464679	0.46719261	0.0142967	0.0021224	0.1430485	0.10845047	0.203512
0.56134807	0.03723134	0.00175085	0.21222253	0.0102904	0.0045005	0.01199277	0.20342987	0.05742401
0.74309057	0.05004241	0.01485776	0.60589179	0.02097557	0.00423258	0.27108147	0.44373691	0.20429431
0.35167518	0.01045277	0.01240009	0.38601235	0.00806669	0.00269736	0.04756841	0.056895	0.14825671
0.28265126	0.01795147	0.01184125	0.39343398	0.00771767	0.00253003	0.04049575	0.11432948	0.0768195
0.45784669	0.01659505	0.00895082	0.11899823	0.00728922	0.00192404	0.02562023	0.04803969	0.1326041
0.17607633	0.01300147	0.03086186	0.14243772	0.01004872	0.001662	0.03091532	0.04382685	0.24667953

0.2995782	0.0424516	0.01324692	0.27326259	0.01076112	0.00290705	0.05617358	0.19547804	0.15571004
0.31180874	0.02938733	0.04506388	0.243048	0.00862376	0.0013213	0.01390676	0.03178754	0.14638723
0.27063131	0.02173846	0.01489219	0.26890385	0.00970377	0.0021274	0.23239464	0.14657254	0.24698211
0.23519164	0.02276414	0.01501738	0.36254191	0.00917313	0.0023948	0.02136715	0.12079148	0.09307606
0.10143192	0.01123024	0.07901708	0.25050878	0.00844652	0.00159634	0.02544181	0.0334798	0.18692817
0.47078792	0.03846422	0.00991862	0.52962352	0.01774383	0.02591763	0.31146202	0.88474383	0.15733855
0.40856692	0.01490576	0.03891952	0.33933978	0.01050405	0.00170428	0.03190319	0.05436252	0.10277883
0.45850583	0.04412615	0.01091074	0.52498187	0.0167267	0.00609419	0.23250436	0.65812255	0.14683639
0.3689086	0.01436089	0.00709725	1.03054456	0.01213648	0.00228667	0.02234069	0.04271063	0.17203364
0.38749275	0.01873376	0.05002243	0.68451075	0.01627573	0.00481466	0.03190435	0.05561235	0.29752339
0.55481447	0.0491871	0.0074823	0.22856609	0.00913911	0.01450256	0.0333496	0.16389196	0.10380681
0.16502686	0.01438714	0.04799827	0.16402881	0.01560986	0.00463847	0.06137931	0.06802776	0.41700644
1.03613973	0.07925523	0.00489245	0.24359263	0.02071318	0.00212288	0.00938411	0.08143925	0.06438351
0.34402355	0.01199714	0.01524159	0.27593733	0.00991247	0.00222148	0.10563133	0.17285075	0.32581988
0.32845988	0.01579196	0.00389901	0.20212478	0.00762419	0.00759295	0.08506369	0.34606444	0.35859972
0.35456523	0.02187712	0.00360639	0.14763572	0.00879861	0.00705434	0.07052804	0.3076177	0.24231462
0.32325619	0.00925442	0.00549109	0.22200141	0.00892645	0.00717153	0.06954428	0.31465196	0.33958976
0.29074269	0.02560447	0.00844462	0.22198733	0.00824853	0.00218615	0.03672944	0.14772496	0.13074925
0.44354351	0.0154593	0.00417027	0.32215927	0.01087278	0.00893505	0.02538723	0.06836982	0.24807279
0.37649681	0.01482476	0.00418344	0.21914906	0.01022303	0.00817654	0.08905365	0.37078983	0.28126142
0.42070318	0.03078283	0.00901615	0.40078531	0.01210035	0.01764253	0.33465968	0.45974008	0.14796985
0.34282517	0.03573414	0.01116071	1.2401756	0.01089698	0.00240571	0.00640394	0.05873023	0.07672741
0.32831788	0.02972282	0.04137983	0.08456719	0.00520681	0.00176603	0.04793308	0.05231017	0.34367528
0.12003205	0.01044554	0.01180592	0.52898275	0.0086708	0.00187895	0.00838027	0.01750055	0.0380383
0.33005643	0.02199229	0.01269154	0.40365922	0.01063643	0.00232294	0.0372017	0.09363146	0.07054584
1.00659335	0.07248172	0.00478061	0.23759207	0.02021052	0.00206673	0.00914245	0.08083498	0.06566513
0.27968837	0.02390896	0.01520282	0.47703233	0.01320794	0.0021708	0.30435555	0.11947051	0.24802512
0.37658976	0.01294402	0.01279573	0.22551449	0.00936136	0.00209081	0.02762805	0.05132138	0.05594271
0.37639755	0.01422152	0.01004255	0.28479319	0.01175096	0.00263251	0.03012619	0.07775609	0.08578227
0.68170128	0.05188712	0.00367254	0.28798008	0.01076853	0.0023326	0.01250002	0.19101722	0.0439668
0.38804335	0.01204031	0.01360512	0.29920413	0.00830424	0.00443948	0.03718523	0.05077928	0.13697233
0.32318582	0.03584394	0.01667455	0.17819255	0.01220926	0.00544313	0.08875009	0.1659818	0.28274527
0.21463841	0.01349045	0.01335329	0.25337289	0.00979949	0.0021221	0.03597576	0.06731695	0.16318116
0.24708059	0.01454485	0.02260607	0.41051021	0.01203363	0.00267103	0.04246719	0.06799679	0.09376272
0.22190934	0.01480103	0.0304949	0.13128789	0.00476755	0.001568	0.03488345	0.0388057	0.32404703
0.11933172	0.00365072	0.00866499	0.23612083	0.00281649	0.00094527	0.00834843	0.0202637	0.08057995
0.46014934	0.03690596	0.00994895	0.51748859	0.01779336	0.02382345	0.34158169	0.95573756	0.17231182
0.44789652	0.06919316	0.00522884	0.48182962	0.02891871	0.00228537	0.00805794	0.12994201	0.05630863
0.5906423	0.04181056	0.00799314	0.15778578	0.01170469	0.00173191	0.02301862	0.08668464	0.07232504
0.56004277	0.03596861	0.01185573	0.58732754	0.01654798	0.01311839	0.25654142	0.84706877	0.25815852
0.79449679	0.04069284	0.00837803	0.35513037	0.01471996	0.00219424	0.02507999	0.15517568	0.09094003
0.75187412	0.02911077	0.00606786	0.07761155	0.00594067	0.00191799	0.02744896	0.06493792	0.07033636
0.55380058	0.05131505	0.01583271	0.77667923	0.03492197	0.00205848	0.00727991	0.05704909	0.08458982
0.4607499	0.04251983	0.01400937	0.65536732	0.01880434	0.0068484	0.25531263	0.7847185	0.24549933

0.29317278	0.0300684	0.01573789	0.43840894	0.0119554	0.00227277	0.2593943	0.13796035	0.26484423
0.91825106	0.08258946	0.00227023	0.36004086	0.00884439	0.00298488	0.0078607	0.14939448	0.04344027
0.32330499	0.01553593	0.00383825	0.1989569	0.00750552	0.00747472	0.08372766	0.34063056	0.35297196
0.38726094	0.01867689	0.02585273	0.61923906	0.01622864	0.0047868	0.02963053	0.05992068	0.27594922
0.11907418	0.00874807	0.04083787	0.11335481	0.00850245	0.0015433	0.02079431	0.02416698	0.28764824
0.50808293	0.01529004	0.01008316	0.27305658	0.00985233	0.00433146	0.06339822	0.09278373	0.2385873
0.48102423	0.0351994	0.01031285	0.45825189	0.01383038	0.02017988	0.38264472	0.52566409	0.16918694
0.13010818	0.01447857	0.10165651	0.20183471	0.01257521	0.00373779	0.0461158	0.06250187	0.22687811
0.29380596	0.01213597	0.01028391	0.31630458	0.00836242	0.00447866	0.04147411	0.0562021	0.10481295
0.55311259	0.02006921	0.00595267	0.3101641	0.01163293	0.00255681	0.04991426	0.11268214	0.05426356
0.38064829	0.01437105	0.05690543	0.23638513	0.00928739	0.00199403	0.04468724	0.0692553	0.13110056
0.95467058	0.07710102	0.00161905	0.21834284	0.01587303	0.00206936	0.00923327	0.09692725	0.05034242
0.38413248	0.03497207	0.02246571	1.29928579	0.030342	0.00227196	0.00997562	0.03284009	0.10553865
0.21772796	0.01543716	0.01017923	0.27770668	0.00827591	0.00219906	0.15321824	0.18702401	0.24154185
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0.37339702	0.02774655	0.00782801	0.62795474	0.01652536	0.00864645	0.28497201	0.49923496	0.12097312
0.13359086	0.00613587	0.0401388	0.1028541	0.00476352	0.00152679	0.02058489	0.02337603	0.24452824
0.15914963	0.0118107	0.03248763	0.13009532	0.01017713	0.00164095	0.02942593	0.04332683	0.22555908
0.3287395	0.03274459	0.03076833	0.51463254	0.01266069	0.00209075	0.0185308	0.03896109	0.19831319
0.30898593	0.01734889	0.01225414	0.15353098	0.00717914	0.00158978	0.07870443	0.0802685	0.40272583
0.29852954	0.00858771	0.01357529	0.22877878	0.00662338	0.00220823	0.119198	0.20121828	0.35361406
0.16586389	0.03221846	0.0286844	0.49796191	0.08832703	0.00133909	0.00826968	0.02029616	0.08947635
0.14394026	0.01304472	0.06322199	0.35232021	0.01134766	0.00166473	0.02797425	0.03826558	0.18234494
0.30707586	0.08352931	0.02769008	0.9734623	0.06168429	0.00186803	0.00830368	0.0387982	0.08895572
0.28907043	0.01088437	0.01691091	0.12603331	0.00900941	0.0039859	0.03875944	0.04871465	0.25141862
0.37541042	0.01418051	0.01001215	0.28404001	0.01171143	0.00263251	0.03004429	0.07754826	0.08555248
0.13454547	0.01471871	0.1125026	0.20292619	0.01162833	0.00343355	0.04710188	0.06009963	0.21833858
0.10364253	0.0276251	0.44105008	0.21361626	0.0053277	0.00306243	0.03237636	0.04876808	0.11109567
0.40394589	0.01509715	0.01629832	0.25675719	0.00930393	0.00172594	0.05089136	0.0858	0.11460639
0.31807177	0.01734658	0.02570757	0.13209067	0.00716566	0.00160667	0.08898894	0.08849308	0.37791919
0.79067241	0.03747462	0.01346547	0.30653203	0.02135067	0.00219999	0.02328505	0.06677515	0.12212798
0.59850426	0.04134528	0.00711233	0.50071038	0.02600748	0.00231707	0.0081931	0.06105709	0.08389817
0.23784251	0.02490797	0.04441906	0.29882021	0.00706885	0.00377475	0.04665598	0.05441661	0.22078693
0.282183	0.02654859	0.01049692	0.24128125	0.01024029	0.00229332	0.05474965	0.11510676	0.24614033
0.73714681	0.068305	0.02106976	1.03381418	0.04647196	0.00274463	0.00969102	0.07593859	0.11259417
0.33189653	0.03568199	0.03070458	0.34080505	0.02438467	0.00149769	0.01317122	0.03601609	0.1354341
0.35223382	0.02502731	0.00824864	0.11975728	0.00643404	0.00648471	0.03325976	0.22106924	0.23737852
0.22952308	0.01731843	0.0133117	0.30221003	0.01113136	0.00248526	0.03283534	0.08585709	0.08655665
0.1507301	0.01780751	0.02937081	0.17354769	0.00804655	0.00149553	0.03735942	0.05095998	0.28884656
0.31247208	0.02798758	0.01108256	0.27110961	0.01353521	0.00355724	0.18273628	0.16208986	0.19956672
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0.11812925	0.02093424	0.04144014	0.1914976	0.01311135	0.00155388	0.03191261	0.04398337	0.18454505
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0.51750733	0.0374573	0.05020901	0.90468665	0.0298954	0.00225311	0.01194051	0.04655089	0.17759432

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0.19960715	0.01034971	0.1389417	0.1637612	0.00997017	0.00576587	0.07773179	0.0883177	0.23766252
0.36568083	0.02518382	0.00829979	0.12567165	0.00809401	0.00653166	0.03656227	0.23553007	0.18080965
0.51212541	0.01502588	0.00991174	0.26495319	0.00968357	0.00425877	0.06044738	0.0884617	0.20080231
0.22686402	0.02534556	0.03756307	0.3775751	0.02219345	0.00149458	0.0131669	0.03356335	0.16346695
0.16541248	0.01414755	0.04615786	0.35510559	0.01228981	0.0018186	0.02893469	0.03866937	0.23296844
0.82084426	0.03135588	0.00489468	0.18819426	0.01271933	0.00214116	0.03578278	0.19651012	0.10096907
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0.85701593	0.07626208	0.00209779	0.35405291	0.01020874	0.00275479	0.00725773	0.12228923	0.04014871
0.34317755	0.01524395	0.04072458	0.29665508	0.0103156	0.00195055	0.06562213	0.09458986	0.18049349
0.14722503	0.00541948	0.01607098	0.33061951	0.00521564	0.00236456	0.01555005	0.0301173	0.11378968
0.4381726	0.01668198	0.00412304	0.33478863	0.01207089	0.00358009	0.01897555	0.0599801	0.22079688
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0.87079059	0.05218897	0.01326951	0.16444257	0.01150832	0.00191228	0.01694222	0.07692054	0.10205524
0.83959348	0.03443059	0.00851094	0.33388124	0.01659613	0.00222667	0.02745522	0.14028074	0.1055506
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0.46422356	0.03352693	0.00663997	0.20357735	0.00972523	0.00568252	0.07191499	0.11048981	0.583485
0.39529901	0.02782379	0.01048934	0.6390786	0.01796738	0.00831739	0.3091259	0.61180083	0.13653385
0.38657685	0.03300343	0.01142097	0.52882242	0.01435146	0.01264746	0.28473167	0.78541937	0.2236514
0.34526045	0.02275505	0.00300414	0.20310937	0.00882046	0.00381114	0.03373813	0.06278816	0.19285964
0.15912387	0.02454956	0.14706298	0.21445261	0.0139427	0.00370659	0.06061693	0.08360903	0.27076377
0.33963643	0.01405075	0.05835426	0.42309155	0.01055132	0.00199646	0.01771522	0.03928962	0.18172927
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0.35037238	0.02114452	0.01331276	0.36052026	0.01486736	0.0024533	0.02173338	0.15850099	0.1324352
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0.12623061	0.03976835	0.293077	0.2118955	0.00494059	0.00500564	0.04399881	0.05844688	0.24267516
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0.25748443	0.00560075	0.02582667	0.20681461	0.00629423	0.00243008	0.0106731	0.02717663	0.06660318
0.52254974	0.0502952	0.01243034	0.35954694	0.01905974	0.00695346	0.2649785	0.7500469	0.23463502
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0.16492295	0.02390899	0.01704109	0.18683381	0.00740191	0.00121655	0.02046608	0.0334367	0.24811414

0.05271501	0.00397533	0.04408438	0.14128987	0.00285016	0.00044433	0.00463339	0.0051505	0.04688758
0.30393412	0.0202159	0.0062502	0.27012516	0.0134158	0.00163709	0.05459872	0.08231801	0.58420088
0.47510558	0.0328834	0.01147593	0.41823836	0.02240483	0.00248977	0.04615045	0.21936566	0.11739948
0.26606524	0.01786577	0.00588666	0.49906344	0.0143525	0.00384277	0.34419977	0.33877703	0.16070746
0.20427886	0.01377627	0.02528959	0.05951658	0.00284675	0.00127233	0.04372165	0.04598815	0.23888209
0.1440365	0.01303781	0.03578574	0.13212753	0.01257336	0.00373618	0.04618804	0.04586796	0.27523354
0.33374294	0.02806056	0.01167238	0.46660472	0.01846936	0.01357015	0.15097927	0.44849008	0.12495739
0.66270498	0.04077301	0.00336193	0.32536376	0.01476513	0.00652977	0.05006339	0.11686334	0.16988249
0.13309183	0.04632189	0.02772526	0.33353899	0.01764744	0.00157056	0.0207938	0.03048641	0.23330126
0.17526797	0.02492589	0.08464117	0.49559363	0.00577287	0.0025817	0.01248754	0.01881454	0.11462015
0.20048372	0.03505929	0.16601945	0.2900112	0.00815093	0.00157933	0.01660771	0.02428745	0.1660261
0.29150815	0.02885145	0.01425774	0.19229685	0.01011066	0.0034016	0.08527101	0.09359512	0.51041694
0.5061675	0.02448849	0.04840159	0.7203904	0.21526265	0.00186931	0.01149302	0.03472552	0.15918469
0.18957033	0.02905688	0.05446676	1.12917363	0.29981961	0.00194411	0.01378613	0.03557063	0.17004932
0.22709467	0.00550352	0.01177407	0.24920384	0.00352589	0.00119987	0.01053338	0.02568994	0.09954067
0.44043491	0.02113039	0.00697279	0.15469673	0.01022148	0.00222922	0.04365189	0.13105414	0.04007878
0.1805479	0.04289067	0.26526728	0.21400363	0.01139562	0.00409539	0.05333355	0.08084015	0.16742097
0.35250825	0.03752856	0.0076365	0.35847848	0.01172729	0.09440934	0.23933719	0.47478089	0.12549202
0.41472119	0.05345947	0.02419445	0.73822477	0.02937173	0.00210584	0.00743575	0.06894653	0.08459375
0.25097479	0.0075876	0.0345212	0.29688299	0.00586442	0.00388246	0.03785093	0.04522024	0.20978338
0.2707191	0.01381789	0.01365832	0.28683743	0.00999307	0.00446838	0.08856404	0.15152431	0.38603276
0.31075783	0.00948425	0.04898822	0.30457967	0.01526747	0.00270869	0.0131583	0.03451267	0.17565198
0.65747984	0.01775307	0.00175229	0.22553839	0.01028285	0.00457149	0.06453888	0.17285326	0.08156997
0.17928911	0.01469221	0.07157219	0.16464231	0.01618897	0.00272376	0.01556596	0.02760082	0.10497133
0.38357433	0.02177644	0.00957115	0.1995468	0.01051086	0.00310544	0.0920312	0.11230113	0.7082312
0.18380697	0.01902365	0.07271559	0.15720718	0.00857227	0.00326778	0.05330275	0.06933724	0.25941147
0.11977571	0.00363143	0.05087416	0.10565316	0.00466375	0.00078815	0.00831797	0.01129595	0.0827721
0.29744914	0.01663751	0.00587493	0.24913567	0.01146899	0.0015292	0.03781118	0.0559317	0.65787823
0.71201442	0.05411469	0.0248018	0.553168	0.01656356	0.00169464	0.00898044	0.03622912	0.10888951
0.14216915	0.00747174	0.11450704	0.11550066	0.00504133	0.00096664	0.01191685	0.01579426	0.12722251
0.3886268	0.02046653	0.00476544	0.23908728	0.01398458	0.00152222	0.04061412	0.07794714	1.07672461
0.54406571	0.04208474	0.00389919	0.31925328	0.01142098	0.03376378	0.26415283	0.33001435	0.18491419
0.3315314	0.02138513	0.05097842	0.79840938	0.03759815	0.00325198	0.01290365	0.03123584	0.16065858
0.46540759	0.01401076	0.0092429	0.25012557	0.0090313	0.00396616	0.05807553	0.08499133	0.21854874
0.45942438	0.03377962	0.00477499	0.22030885	0.00623583	0.00203355	0.01265136	0.08428097	0.08061229
0.29721727	0.01696894	0.02756338	0.14918063	0.00700719	0.0015684	0.06224215	0.0655566	0.39551271
0.25209614	0.01325557	0.02384358	0.27242344	0.00816318	0.00152993	0.0258142	0.03736305	0.17512111
0.39895612	0.0360499	0.01134444	0.54904613	0.0158196	0.01897547	0.56227232	0.72288467	0.25711164
0.21013637	0.00797304	0.0191475	0.47574343	0.00439905	0.00293625	0.01685424	0.03788283	0.15760972
0.49244217	0.04552399	0.01773295	0.25674035	0.01107382	0.00198825	0.02513561	0.04505911	0.12842436
0.29126674	0.02676945	0.03607454	0.07486071	0.00469464	0.00158081	0.04302091	0.04663851	0.30627776
0.42290437	0.01998474	0.01063775	0.34346835	0.01186236	0.00198485	0.02275051	0.0986928	0.22459158
0.21486045	0.01712683	0.01231389	0.22284673	0.01200671	0.00202516	0.05691786	0.05596179	1.49970685
0.670938	0.03779143	0.02888122	1.33058988	0.01162354	0.00218956	0.01164512	0.04100203	0.14839053

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0.27758927	0.01964038	0.02134462	0.39559814	0.05771985	0.00127966	0.01121332	0.03159037	0.10985702
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0.39898564	0.01181797	0.01334978	0.29278522	0.00976209	0.00439653	0.07339911	0.17250069	0.33450926
0.25846584	0.0172415	0.01703773	0.15414567	0.01150213	0.00517507	0.1258166	0.15269872	1.04580884
0.69456915	0.05051289	0.00344266	0.30856348	0.01514207	0.00445094	0.05129205	0.15340494	0.12328691
0.47840516	0.0499803	0.05082153	0.88990078	0.03582854	0.00183474	0.01460915	0.03029556	0.16939963
0.25285047	0.03351022	0.02982934	0.51788439	0.09352598	0.00139213	0.00859673	0.02110708	0.09306106
0.4330586	0.0243019	0.00379684	0.24752706	0.01482629	0.00490412	0.09121409	0.14024376	0.70490581
0.13236085	0.02927694	0.31791049	0.13191635	0.01312069	0.00268685	0.03325345	0.04846439	0.22571853
0.3688991	0.06504061	0.0214233	0.54817882	0.05548281	0.00139748	0.00615855	0.02384648	0.06665199
0.20347542	0.02771407	0.01610165	0.28109973	0.51808919	0.00106167	0.00654604	0.01810337	0.06211886
0.29673554	0.01997042	0.00563937	0.21906402	0.01102859	0.00364615	0.10008435	0.19816613	0.35212391
0.09706054	0.02629182	0.19620908	0.17255312	0.00983581	0.00191898	0.02351802	0.0364848	0.17072621
0.46323378	0.02843352	0.00122597	0.03675514	0.00357824	0.00638691	0.14658003	0.31965476	0.18200907
0.26240678	0.02087604	0.01179261	0.27953649	0.01294984	0.00193162	0.27386782	0.24972726	0.20886384
0.22290138	0.01502043	0.00278265	0.19204566	0.00999517	0.20295937	0.15535146	0.30490871	0.10047674
0.2929009	0.02453834	0.00285656	0.18490201	0.00974824	0.00372078	0.08041289	0.20684962	0.36153698
0.44147084	0.52971843	0.02289296	0.90144848	0.03880518	0.00157006	0.00692999	0.0314145	0.07070746
0.16671207	0.01161835	0.06889105	0.18699475	0.01440498	0.00427413	0.05846288	0.07171332	0.37938208
0.29448145	0.02596368	0.03174408	0.30150151	0.01625871	0.0019407	0.03612298	0.03798623	0.38505531
0.37782101	0.04456615	0.00802599	0.34044372	0.01179723	0.01341577	0.24719107	0.39795749	0.20977458
0.43486702	0.01937716	0.05769118	0.79492883	0.02689426	0.00204055	0.01257527	0.03211257	0.19349508
0.41645243	0.01390198	0.01374993	0.31831637	0.01098846	0.00160921	0.02289012	0.04649273	0.07702587
0.48606761	0.04615522	0.01370396	0.35140658	0.01934303	0.003908	0.24999418	0.40922234	0.18840237
0.34657806	0.03026728	0.04031876	0.09853863	0.00634398	0.00170711	0.0556386	0.06001926	0.32476159
0.18730661	0.03301526	0.70141085	0.2390682	0.00719816	0.00136948	0.01572889	0.0226654	0.10527223
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0.30257811	0.03147241	0.00982709	0.22242072	0.00798744	0.00214296	0.04525932	0.17524992	0.22775717
0.41646166	0.83682141	0.0228682	0.54425991	0.04347935	0.00156421	0.00690329	0.02967294	0.0697252
0.26272672	0.0167921	0.04239924	0.18927109	0.0185269	0.00121511	0.0127964	0.0306358	0.14030967
0.5374417	0.04774884	0.00555067	0.1079194	0.00678266	0.00722103	0.10849338	0.14718694	0.65857259
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0.53601256	0.04187785	0.00934244	0.41829572	0.01433166	0.03323247	0.40658783	0.48155528	0.16786991
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0.24361557	0.00833039	0.03434098	0.22139128	0.00670289	0.00357854	0.03317551	0.04209225	0.19003955
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0.08423212	0.01045415	0.03678454	0.06115203	0.00377075	0.00087252	0.00604365	0.01091572	0.1136701
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0.17641335	0.02965841	0.36612158	0.21100364	0.01366308	0.00717492	0.09085627	0.13642361	0.26545322
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0.41599816	0.03845676	0.0149535	0.28227364	0.00797728	0.003468	0.07256887	0.10721282	0.47329405
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0.27615205	0.01671784	0.01136705	0.0449031	0.00505548	0.00132669	0.12032238	0.14197448	0.54322262
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0.50038461	0.03909966	0.00872434	0.39049481	0.01337292	0.03101608	0.37956687	0.44955117	0.15671457
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0.26264547	0.01518826	0.0196311	0.26001571	0.00900264	0.00303721	0.11341398	0.11372143	0.43200346
0.29192062	0.02194107	0.00271306	0.17681807	0.0106044	0.00349442	0.27740373	0.26170149	0.49421262
0.20261703	0.05489	0.20635058	0.18714515	0.00920004	0.00310554	0.02044532	0.0285704	0.16533659
0.1790943	0.02439727	0.00235611	0.09058282	0.00461434	0.14279542	0.1697698	0.25916338	0.07680667
0.26348308	0.01957522	0.00724794	0.34738577	0.01177725	0.00637983	0.14418451	0.47584821	0.11239874
0.23451596	0.01893821	0.00624713	0.19649405	0.01097868	0.00323076	0.09862855	0.1335754	1.53103949
0.3525526	0.016509	0.07068515	0.20876873	0.01272903	0.00286019	0.01884261	0.03961989	0.18677902
0.11774696	0.01254353	0.20063838	0.07492507	0.0065911	0.00296003	0.02736406	0.04094539	0.17665226
0.28021089	0.02439462	0.00283692	0.17799083	0.00968703	0.00185482	0.04740194	0.16774448	0.29761532
0.48585039	0.03757823	0.00348395	0.2850933	0.01020472	0.03186667	0.23588484	0.29470203	0.16512478
0.86635016	0.04950716	0.00316011	0.62013506	0.02312713	0.00616221	0.11790337	0.65761531	0.05817692
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0.15798867	0.01685465	0.00217721	0.11255345	0.00565672	0.18958875	0.16444711	0.26776152	0.08215423
0.59383583	0.04593577	0.00426379	0.34845089	0.01246914	0.03685356	0.28831796	0.36020497	0.20183198
0.00143089	0.01802233	0.00236249	0.01079443	0.10336152	0	0.00011143	0.00050843	0.00117164
0.30011892	0.02300674	0.1292292	0.026781	0.00504272	0.00402859	0.0617446	0.09698465	0.29742605
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0.32407799	0.03396881	0.01089516	0.61950005	0.08085672	0.0012833	0.00567046	0.02300242	0.04706517
0.27050988	0.01896079	0.0093743	0.22042222	0.00914133	0.00204986	0.04510855	0.19189098	0.31431849
0.4596187	0.92354558	0.02523806	0.60067344	0.04797858	0.00172194	0.00762383	0.0327394	0.07695385
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0.46696343	0.03574411	0.00135648	0.22365344	0.01195998	0.00350523	0.05281924	0.39080225	0.0743991
0.19142081	0.01175149	0.02323712	0.02924783	0.00405357	0.00216334	0.05820503	0.08976721	0.39994585
0.1288514	0.01138807	0.12504089	0.12251536	0.01099631	0.00292902	0.019388	0.03126926	0.16720411
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0.42291022	0.03312951	0.0093606	0.41109961	0.01141821	0.01983662	0.36751615	0.4319659	0.1853042
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0.3825341	0.13828242	0.03657483	0.16651018	0.17634409	0.00205708	0.00820115	0.02091148	0.11678621
0.00432878	0.02301573	0.00379137	0.02140967	0.23917452	0	0.00027124	0.00026832	0.00107661
0.09109775	0.00616058	0.04767037	0.01089297	0.0021664	0.00213799	0.04116318	0.06081868	0.12760076
0.01570494	0.07194264	0.00661203	0.24480274	0.11009738	0.00040595	0.00143792	0.00292325	0.01633858
0.00103541	0.00747977	0.00047053	0.00363468	0.09812822	-0.000113	6.2799E-05	0.00050367	0.00111885
0.05496481	0.01594882	0.06869747	0.16305885	0.00768793	0.00222694	0.01041895	0.01789294	0.06862534
0.21665241	0.12194217	0.00996753	0.42412798	0.02458671	0.00124016	0.00382014	0.01019234	0.0357627
0.0277901	0.00152101	0.00187705	0.0042989	0.00109581	0.00754953	0.04253446	0.05755444	0.1097676
0.00793266	0.05852413	0.00463682	0.11712409	0.10746165	0.00037864	0.00065985	0.00112455	0.00765532
0.00715032	0.06709028	0.00422171	0.10271617	0.11209137	0.00036555	0.00064824	0.00109321	0.00793229
0.09809168	0.00490866	0.02968306	0.00839176	0.00210565	0.00351681	0.04908165	0.07514294	0.17001727
0.00198856	0.02098839	0.00100735	0.00754757	0.08672887	0	0.00018588	0.00014848	0.00015914
0.12668176	0.00691027	0.03072424	0.01345635	0.00266853	0.0035869	0.06539276	0.09914226	0.18883497
0.04857587	0.00352603	0.0012665	0.00591578	0.00123558	0.00662587	0.04417382	0.06328962	0.05839763
0.03699313	0.00151083	0.00185682	0.00542976	0.0010859	0.00598898	0.04221815	0.06116439	0.12037624
0.03739433	0.00186755	0.00257503	0.00535996	0.00107686	0.00584132	0.04270717	0.05848222	0.10620601
0.20023493	0.01245183	0.00328392	0.19419318	0.0088044	0.29635815	0.19263474	0.29191595	0.10141326
0.09417091	0.00474599	0.03231164	0.00811258	0.00203619	0.00340719	0.0450495	0.06952013	0.15251027
0.0312669	0.03373162	0.00618562	0.0787383	0.45405601	0	0.00035223	0.0004974	0.00166863
0.03040049	0.00238351	0.00118418	0.00406088	0.00077173	0.00757107	0.03945558	0.05502763	0.04761618
0.03521779	0.0015464	0.00229888	0.00555935	0.00112732	0.00596316	0.04176163	0.06265512	0.15046355
0.10972931	0.0059735	0.00268442	0.0083577	0.00209592	0.00769593	0.08341789	0.13259151	0.21786705
0.02841654	0.004599	0.00850762	0.05563635	0.0079217	0.00025563	0.00154334	0.0031104	0.01588696
0.00154671	0.00494885	0.00148568	0.01054713	0.06507964	0	0.00021395	0.00041661	0.00108846
0.00285521	0.00342477	0.00282046	0.01258788	0.02315846	0	0.0002829	0.00070462	0.00234207
0.00263642	0.01626043	0.00114751	0.01550302	0.11179253	0	0	0	0.00017913
0.02081659	0.005402	0.0165221	0.02802599	0.00643878	0.00033776	0.0035549	0.00586397	0.02612919

0.08717552	0.00578409	0.01715827	0.00548018	0.00171949	0.00289087	0.03863002	0.06698013	0.13410819
0.04462842	0.01066087	0.03848181	0.07667193	0.00591521	0.00108148	0.00849461	0.01445663	0.05981825
0.00876559	0.01062132	0.00403434	0.02241338	0.04207834	0.00027198	0.00026133	0.00070393	0.00389541
0.02401485	0.00131403	0.00162245	0.00369943	0.00094822	0.00644597	0.0365033	0.04869768	0.08891708
0.22837032	0.02188423	0.00148867	0.09660904	0.00363914	0.12480378	0.26700844	0.31840688	0.0957205
0.00312896	0.02643441	0.00134606	0.01868926	0.06761184	0	0	0.00020288	0.00021136
0.0305228	0.00719168	0.02157739	0.05093185	0.00358414	0.00035258	0.00460428	0.0081804	0.03425258
0.00249678	0.04084609	0.00135586	0.06036887	0.10648639	0	0.00019557	0.00013535	0.00135472
0.0001042	0.00442648	9.461E-05	0.00079268	0.01537181	0	3.1512E-05	0.00019281	0.00014683
0.00047495	0.00543687	0.00035513	0.00303339	0.02737014	0	9.936E-05	0.00014797	0.00026822
0.01370174	0.03362628	0.00743082	0.2283866	0.10515928	0.00036856	0.00134486	0.00261852	0.01249994
0.00583844	0.00196878	0.00264499	0.01184063	0.00366651	0	0.00016385	0.00031536	0.00315421
0.00366623	0.00660254	0.00273401	0.01540933	0.07671635	0	0.00022361	0.00023866	0.0007031
0.00376516	0.06332254	0.00226639	0.07947469	0.11286551	0	0.00025293	0.00017538	0.00240575
0.0009122	0.01628346	0.00090717	0.00786477	0.20207806	0.00021237	0.00022091	0.00024232	0.00047243
0.00066687	0.00025284	0.00042252	0.00128905	0.00159161	0	8.6094E-05	7.1742E-05	0.00032229
0.00013345	0.00598644	0.00012557	0.0010426	0.06147998	0	0	0.00020633	0.00016851
0.02597894	0.00464804	0.01091811	0.02665924	0.00634281	0.00025438	0.00222025	0.00403746	0.01846481
0.02866812	0.0037559	0.00979358	0.02350707	0.00889119	0.00022792	0.00196342	0.00368007	0.01685842

ND	OH	OK	PA	RI	SC	SD	TN	TX
0.01664626	2.28594555	0.01857964	3.32519686	0.00269025	0.06160296	0.00536586	0.1387264	0.01824883
0.01967122	1.74185319	0.01882861	0.72290649	0.0021202	0.03971553	0.00633178	0.27303192	0.02672252
0.01661873	3.66112189	0.00684153	0.83901222	0.0023102	0.07905735	0.00690133	0.24264386	0.01345823
0.01103	1.07743529	0.01358497	1.62041666	0.00153014	0.04613159	0.00304668	0.21238937	0.0237331
0.01984639	1.7571355	0.01899628	0.72924344	0.0021402	0.0400588	0.00639152	0.55206643	0.02694537
0.0168347	3.70852823	0.00693038	0.84987074	0.0023402	0.08008447	0.00699096	0.4584871	0.0136233
0.02924222	0.87158424	0.01174347	0.50309698	0.00149015	0.00932887	0.0088971	0.15783738	0.01583887
0.01160766	1.66168225	0.01585672	1.10571418	0.00161015	0.06526762	0.00320551	0.2892634	0.02646832
0.01690361	1.49498332	0.01614452	0.64410411	0.00182018	0.03793705	0.00543456	0.50479267	0.02464825
0.01509843	0.546784	0.01294275	0.42556929	0.00164013	0.32793859	0.0048921	0.39025893	0.03826698
0.02101757	0.99579394	0.09816615	0.30337293	0.00226022	0.04952596	0.01576662	0.44508132	0.09584699
0.01000462	1.41501896	0.01146018	0.62314453	0.00194019	0.05458481	0.00385169	0.29063604	0.02248881
0.01409787	1.27225467	0.02361112	1.11205981	0.00171016	0.08006536	0.00510716	0.40240238	0.03975985
0.01931144	1.12385909	0.04981202	0.35445519	0.00187018	0.09747511	0.00930695	0.30547429	0.06883513
0.00883414	1.40973391	0.01908292	2.08560595	0.00215019	0.11811404	0.00428219	0.49539908	0.03753795
0.01683818	1.11826194	0.03003732	0.29593314	0.0023402	0.05339253	0.00699138	0.56441071	0.04092661
0.0168279	1.11783116	0.03002745	0.29582155	0.0023402	0.05336142	0.00699138	0.56419285	0.04090718
0.01715685	1.13935233	0.03061003	0.30151524	0.00239021	0.05439838	0.00713081	0.57505268	0.04169404
0.01095016	0.99356963	0.01646651	1.49626617	0.00152014	0.05214701	0.00301627	0.11958205	0.02498094
0.01867168	1.65384047	0.01787189	0.68637394	0.00201019	0.0377079	0.0060132	0.25923399	0.02536605
0.01817665	1.0581007	0.04689413	0.33370756	0.00176017	0.09176617	0.00876944	0.28757621	0.06479981
0.0148133	0.78398902	0.04071368	0.87406446	0.0071807	0.07295016	0.0053652	0.45182875	0.06777257
0.01224553	0.4455877	0.01310228	0.34433066	0.00265021	0.22912468	0.00396466	0.39709858	0.03741154
0.02726342	1.97456069	0.03406989	0.68721855	0.0020302	0.04023909	0.00607197	0.35489487	0.04721893
0.02274066	1.07747706	0.10622919	0.32825779	0.00245024	0.05358974	0.01707055	0.48159284	0.13270732
0.01912009	1.2030735	0.01822113	0.5146408	0.00168017	0.035119	0.00669713	0.21992596	0.02435678
0.01587296	1.60703924	0.02650412	1.72346524	0.00192019	0.0220538	0.00573253	0.23996067	0.04644435
0.0222222	0.95100095	0.02295305	1.27644473	0.00179018	0.10102329	0.01248945	0.24922921	0.03116926
0.02038816	1.48863255	0.01749774	0.65200903	0.0019702	0.03912652	0.00589167	0.26777626	0.02479962
0.01688159	0.98229482	0.01288874	0.49741307	0.00163016	0.01364177	0.00976352	0.15137671	0.01738304
0.02910734	1.11210826	0.0246037	0.4766879	0.00166015	0.02074016	0.00992644	0.14321635	0.01933917
0.02286286	0.92129938	0.03691981	0.39760326	0.00170017	0.09592611	0.0135552	0.21269012	0.03950737
0.01569319	3.45629686	0.00645651	0.79206876	0.00218019	0.07463761	0.00651295	0.22906638	0.01270084
0.01540524	3.39223216	0.00633804	0.77739034	0.00214019	0.07324736	0.00639344	0.41939162	0.0124678
0.0122468	1.75420383	0.01674422	1.16728044	0.00170016	0.06889996	0.0033847	0.30537269	0.02795008
0.01311574	1.59835154	0.01789929	0.59811016	0.00182018	0.04731444	0.00542465	0.22770121	0.02810302
0.01841215	1.7996311	0.03520423	0.64104442	0.00255025	0.05578814	0.00761489	0.66016412	0.05924151
0.01681075	1.74236182	0.03412228	1.78734012	0.0020402	0.01910403	0.00608154	0.26413057	0.03743668
0.02205206	2.10918441	0.0125897	0.92991899	0.00213023	0.06242521	0.00847676	0.22618792	0.02055223
0.01279927	1.37884544	0.01681934	1.57135332	0.00155015	0.03715839	0.00618161	0.0811957	0.02102429
0.01685874	1.1196226	0.03007682	0.29629299	0.0023402	0.05345475	0.00700134	0.56509542	0.04097518
0.01787445	1.05251791	0.01366046	1.28027656	0.00173017	0.0144461	0.01034153	0.1637864	0.01843693
0.02049173	1.59287829	0.02151261	0.61293047	0.0019802	0.04138497	0.00592197	0.26201413	0.02686289

0.02676407	1.00364028	0.00901927	0.53213836	0.00152015	0.03815675	0.00910764	0.17740665	0.03543202
0.02277386	1.2245952	0.04946096	0.39219953	0.00201019	0.10028711	0.00998407	0.31316861	0.06993148
0.01798951	1.19471067	0.03209116	0.31616553	0.00250021	0.05704259	0.00746943	0.60299312	0.04372434
0.01306149	1.95289451	0.0166812	2.45418566	0.00211019	0.0439395	0.00421145	0.11301731	0.01433561
0.0109086	1.26163256	0.01044672	1.81128269	0.00151014	0.03303258	0.0045201	0.08228855	0.01026466
0.00733899	1.01398613	0.0211614	2.53714426	0.00179015	0.09443313	0.0035555	0.26416564	0.04337926
0.02430006	1.30953357	0.03906602	0.56741583	0.00094009	0.01864286	0.0075164	0.27740888	0.05390496
0.01756841	1.75282525	0.05271488	0.48449937	0.00243024	0.06336697	0.00967436	0.72047452	0.10110996
0.02999698	2.1728109	0.03749068	0.75621261	0.00224022	0.04428071	0.00667917	0.39052948	0.05196115
0.02618835	1.0793719	0.00940045	0.53864019	0.00159015	0.01487096	0.00948802	0.14681192	0.01385862
0.02065946	1.1110111	0.0448668	0.35582414	0.00182018	0.09098649	0.00905833	0.28413207	0.06344644
0.01086542	1.55555911	0.01484102	1.03509552	0.00150014	0.06109406	0.00299646	0.27078566	0.02478318
0.01588858	3.49988098	0.00653549	0.80205731	0.00221019	0.07557135	0.00659261	0.43269405	0.0128562
0.01518358	1.48297481	0.02901317	0.5282487	0.0021002	0.04597628	0.00628104	0.54400324	0.04882754
0.01755588	0.87269197	0.07964369	0.30218014	0.00213021	0.05541356	0.0084702	0.38590558	0.07404137
0.00887814	1.50923396	0.02548794	1.4264764	0.00215021	0.08072991	0.00643068	0.29568023	0.0229366
0.03731046	0.95002116	0.04253616	0.77360771	0.00172016	0.07711971	0.01545191	0.2289955	0.06687868
0.02729208	1.03373237	0.18661183	0.59261587	0.00220022	0.09876984	0.0153467	0.282561	0.176692
0.01110562	0.90659864	0.04917915	0.09365079	0.00216017	0.03359186	0.00431334	0.54370355	0.06526208
0.02427558	1.31899637	0.00836595	1.13518068	0.00169013	0.01572729	0.00842953	0.13745664	0.01319823
0.03056433	2.21404126	0.03820047	0.77056376	0.00228022	0.04511403	0.00680857	0.3979403	0.05294831
0.00726721	0.84872133	0.02083315	0.70386096	0.00176017	0.12672168	0.00350344	0.32643926	0.02384726
0.01546343	0.89888924	0.12537725	1.28462372	0.00187019	0.11517558	0.00744407	0.32991175	0.12719724
0.02901439	1.55222677	0.03193034	0.63102771	0.00216022	0.02705719	0.00644892	0.46912988	0.05429208
0.05852079	2.6637802	0.02158272	0.58004143	0.0021902	0.06587732	0.00871276	0.51727666	0.07639145
0.01903431	2.1020777	0.0606691	0.55303654	0.0020502	0.09608275	0.00816282	0.29939016	0.08538827
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00742192	0.95032901	0.03908066	0.25799658	0.00180017	0.04499009	0.00358383	0.58664219	0.06978227
0.02726632	1.95568525	0.03034546	0.5438212	0.00220022	0.1078821	0.00875792	0.48769783	0.08292488
0.01010508	1.0785026	0.03086667	0.43715705	0.00196019	0.02857531	0.00389166	0.89697072	0.03596773
0.01411656	1.15863004	0.03284603	0.10435869	0.00196018	0.0284941	0.00584463	0.36680971	0.0398748
0.01482453	0.85932806	0.04422707	0.78561565	0.00359036	0.13477304	0.00714615	0.47951838	0.07637101
0.01696419	0.98700607	0.01294786	0.4997991	0.00164016	0.01370435	0.00981328	0.15210484	0.01747005
0.00723625	0.84409257	0.02071489	0.70002357	0.00175017	0.12603356	0.00349349	0.32466679	0.02372154
0.02184489	1.68560989	0.02293127	0.65745583	0.00212021	0.04412941	0.00632005	0.29210666	0.028641
0.01475599	1.30640444	0.01412392	0.54218481	0.00159015	0.02978144	0.00474884	0.20477566	0.02003705
0.00881683	1.71031922	0.02538685	1.46412883	0.00214019	0.05561851	0.00640301	0.44491908	0.03328148
0.01859376	1.87500944	0.03164538	0.57879551	0.00201019	0.02293785	0.00599357	0.28711852	0.03497977
0.01534647	2.31126807	0.01259791	0.65674342	0.0021302	0.05753047	0.0042414	0.27632671	0.0247585
0.00894985	0.81198703	0.01345915	1.22281339	0.00124012	0.04262126	0.00246876	0.20059609	0.02042047
0.0150598	1.47116499	0.02877657	0.52404155	0.0020902	0.04561171	0.00623127	0.53967206	0.04843073
0.01963082	1.78007472	0.02818811	0.63975458	0.00190018	0.03369452	0.00569459	0.49477978	0.05167927
0.01652252	0.97255879	0.01262558	0.49810327	0.00160016	0.01335169	0.00956517	0.15134188	0.01703433
0.0429297	0.83250733	0.10175922	0.28885966	0.00166016	0.069358	0.01491131	0.34245157	0.08378816

0.0129244	1.48897324	0.02006192	0.86002527	0.00157015	0.058693	0.00467844	0.29936434	0.0499995
0.01923097	1.20188013	0.02997467	0.32501703	0.00234021	0.05335484	0.00698043	0.55911215	0.04306827
0.04915626	1.01392295	0.05450936	0.75570869	0.00191018	0.08934777	0.02087406	0.17978831	0.06274194
0.01476263	0.66937639	0.03640254	0.21479829	0.00119012	0.06461832	0.00711629	0.22831609	0.05185824
0.01068865	1.46798184	0.01193279	2.13536344	0.00173016	0.03956325	0.00344451	0.08908952	0.01172032
0.02818102	2.24296006	0.03588775	0.97963022	0.00228022	0.12094968	0.00679826	0.30798479	0.07044832
0.0175074	3.04886316	0.01049021	0.91551818	0.00212019	0.06845592	0.00635281	0.49478661	0.01650207
0.02566857	1.52043669	0.02650632	0.76442191	0.00207021	0.03025692	0.00617981	0.44053035	0.04398881
0.01808354	1.05346354	0.04664801	0.33216988	0.00175017	0.09127475	0.00871969	0.28607657	0.06445248
0.01117187	0.77332112	0.03207225	0.83111034	0.02323218	0.07249795	0.00462925	0.38947691	0.04950245
0.03367178	0.96652877	0.01181915	0.55331496	0.00172018	0.0107455	0.01023975	0.0774965	0.01821461
0.00701947	0.81897158	0.02010389	0.67918913	0.00170017	0.12228007	0.00338401	0.31499556	0.0230156
0.02287479	1.08378996	0.10684034	0.33018228	0.00246024	0.05390234	0.01716013	0.48441193	0.13348137
0.02752559	1.006685	0.03444719	0.64419128	0.00166017	0.08691614	0.00827969	0.2239726	0.05791491
0.0227645	1.02535096	0.05221051	0.24313279	0.00221021	0.03677776	0.00438978	0.44648815	0.05125819
0.01456206	1.14736065	0.02790038	0.23001472	0	0.05144131	0.00468951	0.5840937	0.0365509
0.00931655	1.06751798	0.00891562	1.50331716	0.00129012	0.02688422	0.0038627	0.06664473	0.00875759
0.03459605	1.06945592	0.04018407	0.96507268	0.00531047	0.07715049	0.01586331	0.23150183	0.06355922
0.0175168	1.74733305	0.0525572	0.48297932	0.00242024	0.06317931	0.00965445	0.71821916	0.10080049
0.02804346	1.50017187	0.03086632	0.6098666	0.00209021	0.02614937	0.00623993	0.4534009	0.05247526
0.02127054	2.24779262	0.05284935	0.4181116	0.0020602	0.08162566	0.00821207	0.50401405	0.07583548
0.01906523	1.78030624	0.03831618	0.76251802	0.00185017	0.08853458	0.00552529	0.54914875	0.05197613
0.02267166	1.02117202	0.05199362	0.24214108	0.00220021	0.03662152	0.00437982	0.44466471	0.05104526
0.01366996	1.74589584	0.02239614	1.3406528	0.00189018	0.04931161	0.00377249	0.13995993	0.02198464
0.01675085	0.83241068	0.07596753	0.28822915	0.0020302	0.05285969	0.00807207	0.36809199	0.07062706
0.01003083	0.64141196	0.04309123	0.18950021	0.00243024	0.04050153	0.00483735	0.61908376	0.0516949
0.0119926	1.21072405	0.01470873	0.50499413	0.00166017	0.03981071	0.00330406	0.26702059	0.02243861
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0.01158704	1.65952942	0.015837	1.10428074	0.00161015	0.06518436	0.00319556	0.28888371	0.02643927
0.00381955	0.38974903	0.00974879	0.06728906	0.00124011	0.0295182	0.00245937	0.27354847	0.01557572
0.01348164	0.55591744	0.01947953	0.44917129	0.0013101	0.34721761	0.00524007	0.21316042	0.11386439
0.01818072	2.25278333	0.03087176	0.54193903	0.00196019	0.05508205	0.00584278	0.47629948	0.05114224
0.00775997	0.95821345	0.03529842	0.3052908	0.00188018	0.05095599	0.00375322	0.74001385	0.06934764
0.01384272	2.08519526	0.01136476	0.59250514	0.00192018	0.05190633	0.00382323	0.49109688	0.0223447
0.02167792	1.02709567	0.10126125	0.31291123	0.00234023	0.05108896	0.0162643	0.45907401	0.12649574
0.01736082	1.67389002	0.04490556	0.51637161	0.00240025	0.05762367	0.00716497	0.66991939	0.08344508
0.04033898	1.02691863	0.04597891	0.83622422	0.00187017	0.08335833	0.01670638	0.24753057	0.07228712
0.01515551	0.81502376	0.04948615	0.28034102	0.00209022	0.04373944	0.00832877	0.32603075	0.04851558
0.03958864	1.3963247	0.0636518	0.92722774	0.0020202	0.03577382	0.01807453	0.31592362	0.02927164
0.00696645	0.85945887	0.03166897	0.27382619	0.00169016	0.04570226	0.00336496	0.66374906	0.06220748
0.01548362	1.07403742	0.01151425	0.53248563	0.00167016	0.01563564	0.00996397	0.14593559	0.01614254
0.02909955	2.10718523	0.03635699	0.73337426	0.00217021	0.04293698	0.00648008	0.37873686	0.05039331
0.01293317	1.50202191	0.0249102	1.335968	0.00900073	0.03727815	0.00717226	0.46280322	0.03679878
0.01185397	0.95342017	0.03075552	1.21947841	0.00164016	0.10095471	0.00326486	0.53746294	0.05880423

0.00773333	0.95915067	0.03697532	0.24114339	0.00188018	0.04684932	0.003733	0.64057092	0.07261731
0.04000849	0.78711038	0.01985569	1.11432815	0.00155015	0.09538373	0.01696931	0.35676861	0.0284733
0.01084604	2.17527201	0.01245396	0.64548166	0.0021102	0.06132176	0.00419099	0.34209558	0.02445088
0.00681301	0.79521877	0.0195126	0.6594892	0.00165016	0.1187351	0.00328448	0.30586419	0.02234834
0.02270776	1.23394697	0.00783196	0.58955569	0.00158012	0.01471529	0.00789147	0.12859439	0.01234044
0.06035502	0.89200281	0.04065522	0.5336042	0.00172017	0.12373739	0.01197286	0.1505423	0.03988678
0.03269558	0.83239067	0.03726846	0.67781981	0.00151014	0.06757462	0.01354033	0.39725462	0.05859154
0.0181301	1.48344116	0.04117233	1.26409495	0.00220021	0.00457146	0.00874992	0.06150177	0.04680506
0.01882293	0.59245358	0.18294602	0.65502138	0.00166017	0.15379551	0.01319715	0.68061014	0.24668523
0.03575851	1.10544186	0.04153637	0.99754474	0.00549048	0.07974535	0.0163911	0.23928737	0.0657044
0.04113663	0.87810631	0.01453239	0.41403609	0.00148015	0.00462197	0.01028062	0.07906335	0.01995823
0.01503297	1.06936973	0.04932715	0.31904664	0.00208019	0.02817646	0.00829314	0.44388875	0.11106636
0.02229799	0.75456748	0.10884888	0.15157504	0.00240023	0.02501973	0.01911092	0.47215649	0.21832371
0.02151933	1.23632342	0.01784089	0.49476009	0.00139013	0.03185849	0.00415139	0.1273711	0.03505843
0.00383826	0.09768642	0.0047746	0.07530427	0.00028003	0.05670646	0.00226851	0.0797374	0.27141653
0.00750717	0.99770987	0.01431682	1.16017763	0.00182018	0.08716091	0.00542409	0.26442226	0.01404595
0.02710879	1.02678548	0.02929716	1.89430226	0.00175018	0.04565301	0.00522467	0.20871862	0.05577814
0.00366531	0.38944898	0.00936375	0.13841784	0.00119011	0.02588335	0.00235978	0.25332659	0.01380986
0.01057323	0.44756712	0.01689267	0.42489038	0.0011401	0.2360302	0.00568543	0.31483524	0.18045982
0.01669135	1.42561952	0.01988563	1.47168758	0.00202021	0.08011708	0.0060304	0.13921939	0.03509609
0.01127256	1.1198225	0.03224084	0.42608001	0.00218022	0.03644248	0.00433889	1.48582921	0.05902655
0.04289002	0.96701611	0.01415836	1.10953481	0.00160016	0.003328	0.01112665	0.17501977	0.02006576
0.01571252	1.83502258	0.05789319	1.19630589	0.00218021	0.00680329	0.00865983	0.06471839	0.06735793
0.01836095	0.68777581	0.15276061	0.34340403	0.00161016	0.11467562	0.00804084	0.32914411	0.15283435
0.00819587	0.97895332	0.0273971	0.30161121	0.0019802	0.05382779	0.00395136	0.71005055	0.05953423
0.01559752	0.74090442	0.02150338	0.33721186	0.00168017	0.13124507	0.0066884	0.93093984	0.02435037
0.0147155	1.65588915	0.02464725	0.87346228	0.00179017	0.04271411	0.00533618	0.26153449	0.03632247
0.01960986	0.94381673	0.03483724	0.41939326	0.00136013	0.03677735	0.00541541	0.71677371	0.05920374
0.02597142	0.83648261	0.03972049	0.78023089	0.01007097	0.13639722	0.01002388	0.18360384	0.08288165
0.01909474	1.47595293	0.02003096	0.67558304	0.00185019	0.02699811	0.00552355	0.22031117	0.019651
0.03834179	0.58440442	0.10998238	0.1931364	0.00232022	0.08469747	0.01619591	0.46334095	0.16648259
0.00889429	0.88931104	0.02375198	0.35456435	0.00172017	0.02875161	0.00342345	1.20967966	0.04825617
0.01257788	1.87591647	0.00604171	0.47186782	0.00153013	0.02380197	0.00304732	0.28576491	0.01187475
0.02318938	1.26024887	0.00799018	0.60211689	0.00162012	0.01502508	0.00805089	0.13133616	0.01260363
0.011093	0.77959642	0.03485799	0.79222361	0.00154015	0.11518392	0.00458921	0.157152	0.04911708
0.0135753	2.96637729	0.01119306	0.72248775	0.00189016	0.05477805	0.00564779	0.42768383	0.01653344
0.02781986	1.06275662	0.02350866	0.45553603	0.00159015	0.01982531	0.00948836	0.06942821	0.01848611
0.01560623	0.92095403	0.03802989	1.10924069	0.00168017	0.11208009	0.00501588	0.24821588	0.06164105
0.01052916	1.34650006	0.03020924	1.07730021	0.00170016	0.05847902	0.00508672	0.28117964	0.03624485
0.02039296	2.20929555	0.04293353	0.76353125	0.00198019	0.05146102	0.00591363	0.23662	0.06709543
0.01208491	0.83636329	0.04127385	0.810353	0.00335032	0.11680421	0.00499722	0.47943435	0.0697108
0.07187465	1.16567241	0.03617294	0.63727914	0.0019302	0.08875086	0.01538537	0.13485404	0.05040518
0.01522756	0.99229153	0.0562703	0.41813157	0.00184019	0.09999626	0.00733447	0.12216927	0.0569685
0.00775365	0.58774434	0.03898224	0.13428776	0.00188017	0.0430139	0.00374373	0.704442	0.05473787

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0.0093137	0.66457151	0.04255944	0.133631	0.00227019	0.05400092	0.00451226	0.51487138	0.07276714
0.01351407	1.74964634	0.01294277	0.41970082	0.0021902	0.06365937	0.0087117	0.59927743	0.027558
0.04635086	0.95611984	0.05140383	0.71262556	0.00180017	0.08425497	0.01968951	0.16954056	0.05916056
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0.00366512	0.37418126	0.00936397	0.06459803	0.00118011	0.02833372	0.0023598	0.26261855	0.01495502
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0.0393115	1.42947575	0.03085904	0.51772297	0.00224023	0.01168408	0.01781281	0.27272976	0.02809708
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0.00809369	0.98969889	0.04448022	0.26141875	0.00196019	0.04900018	0.00390227	0.65551785	0.07787068
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0.02017944	0.90440145	0.04614805	0.31502801	0.0019502	0.03059708	0.00971195	0.27370808	0.04900889
0.01596108	1.46234341	0.02541196	1.26797845	0.00172017	0.04476142	0.00683822	0.05885511	0.02161583
0.01327274	0.88728702	0.04528675	0.97662066	0.00367036	0.11303743	0.00548423	0.21405758	0.06577135
0.03560785	0.90964879	0.04248162	0.74482892	0.00172017	0.09170501	0.0154467	0.16868477	0.06502423
0.01275823	1.13114412	0.05892637	0.2159685	0.0020602	0.03434727	0.00615174	0.35753757	0.04588089
0.02172403	1.18069042	0.00748585	0.56410944	0.00151011	0.01407504	0.00754273	0.12304632	0.01181407
0.02225394	0.92602236	0.01775492	0.4758494	0.00120011	0.03119976	0.00358412	0.22718342	0.03604994
0.0150052	1.48310253	0.02505597	1.47332579	0.00182018	0.05683361	0.0072254	0.12072479	0.02983904
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0.02675898	1.02219549	0.02261093	0.95567415	0.00153014	0.0190664	0.00912993	0.13163675	0.01777846
0.0030104	0.31506541	0.01431439	0.35954434	0.00073008	0.02660987	0.00144271	0.33368092	0.04063817
0.03746807	0.88615724	0.0223744	1.00366519	0.00151015	0.07410592	0.01657261	0.16291862	0.03074495
0.00822774	0.7700865	0.01571803	1.00163607	0.00159016	0.09979854	0.00475747	0.3142065	0.0200551
0.01069779	0.74015572	0.03069152	0.79546617	0.02223209	0.06938703	0.00443015	0.1848312	0.04738092
0.00307118	0.32487872	0.01242665	0.36276783	0.00074008	0.02714915	0.0014826	0.34074694	0.05229515
0.01230191	1.75813892	0.01678461	0.478181	0.00170017	0.04615407	0.00339408	0.31843038	0.03954249
0.0132982	0.51974253	0.01140673	0.45304584	0.00129013	0.28010712	0.00639882	0.25528407	0.12056954
0.01560911	0.90509396	0.0465823	0.82745737	0.00378038	0.14194702	0.00752436	0.50506206	0.08044194
0.02592501	0.91127035	0.03006042	0.49915522	0.00179018	0.02244141	0.0107197	0.17829445	0.03644692
0.00605865	0.75652827	0.01159931	1.29657781	0.00147014	0.08406363	0.00292698	0.18228448	0.01281953
0.02266763	1.11531969	0.02492714	0.73480942	0.00169017	0.04405411	0.00671691	0.15561543	0.02932686
0.01354248	1.13837308	0.04617152	0.47710995	0.00187018	0.03321522	0.00746481	0.21584556	0.05980652
0.02261111	0.83955646	0.01730857	1.26989717	0.00146014	0.09738199	0.00873091	0.1826353	0.01984029
0.01556485	0.59429119	0.01487645	0.26595127	0.00126012	0.16833032	0.00500693	0.27895093	0.03772742
0.01734524	0.4381773	0.01417598	0.31184968	0.00240024	0.25036935	0.00597108	0.37254806	0.04288129
0.0126262	0.4066882	0.01445627	0.45866773	0.00122012	0.30728007	0.00608115	0.24905485	0.14304588
0.02803248	0.92505648	0.05682697	0.34610608	0.00169017	0.08142996	0.01350497	0.40207897	0.08524788
0.01861053	1.24985344	0.03157765	1.46603656	0.0020002	0.13999892	0.00797175	0.19427044	0.03484361
0.01072247	0.9705109	0.03066809	0.32059857	0.00208021	0.07362478	0.00413005	0.94729621	0.05013207
0.03887619	0.97375887	0.00716259	0.49769127	0.00145013	0.01659935	0.01156948	0.13173202	0.011266
0.01667716	0.50248766	0.11523514	0.50995832	0.00134014	0.11799034	0.0053534	0.4262939	0.05868418
0.01492977	0.88207329	0.03641999	1.14216818	0.00161016	0.10389516	0.00479718	0.50411853	0.05903432
0.02500573	1.48023563	0.02735195	1.41561722	0.00173016	0.01081646	0.01035406	0.11618939	0.02519514
0.04033195	1.01758364	0.04342697	0.75763477	0.00163015	0.08482018	0.01623762	0.47391464	0.06320147
0.00842841	0.89215451	0.02009822	0.26331063	0.00204021	0.08087784	0.00203022	0.64184426	0.03941989
0.00803683	1.64694793	0.00961686	0.39867717	0.00195018	0.0365182	0.00388274	0.34735473	0.01511631
0.00760237	1.85062473	0.01016381	0.47702528	0.00147014	0.04911372	0.00293645	0.43056546	0.01425575
0.01572018	0.59065232	0.02128407	0.43513685	0.00127012	0.27900405	0.00632084	0.23347983	0.08849795

0.01802338	1.41716798	0.04504954	0.42137688	0.00218023	0.05235302	0.00866679	0.62115947	0.08621484
0.01635006	0.37109108	0.73089212	0.48861631	0.0009901	0.11977114	0.00688555	0.5368479	0.23840962
0.01347712	0.85163013	0.02094245	1.32403693	0.00163016	0.12590594	0.00487776	0.19442259	0.03480647
0.0152861	1.49152832	0.02378405	0.41878066	0.00185017	0.03085855	0.00369375	0.35044873	0.03235534
0.01257384	0.25242401	0.01442282	0.22064409	0.00122012	0.24894108	0.00485761	0.25761085	0.06727493
0.02865654	0.66799984	0.03697233	0.73341906	0.02937298	0.09194511	0.01136501	0.31035775	0.07409284
0.01910344	1.01345937	0.0340543	0.46391281	0.00133012	0.03717921	0.00528777	0.82736332	0.05666749
0.03018028	0.71228798	0.03636447	0.7385375	0.00461046	0.0850485	0.01224109	0.3258823	0.06688735
0.00904453	0.77442374	0.02420438	0.26914964	0.00175017	0.06026298	0.00349399	1.08240953	0.02885708
0.018879	0.63503002	0.04867469	0.28331457	0.00183018	0.15256524	0.00728565	1.05569793	0.07430343
0.03622315	1.31814462	0.02369054	1.06299423	0.00554053	0.03465045	0.01655388	0.20869927	0.03220284
0.01812596	0.49650683	0.01729097	0.43026214	0.00351035	0.32532723	0.00698643	0.58922227	0.04070845
0.03827543	1.0748432	0.03970079	0.47141077	0.00161016	0.01849159	0.00962418	0.08949034	0.03739559
0.00690518	0.91662567	0.02468994	0.57695437	0.00167017	0.17982599	0.00332359	0.23707386	0.03872931
0.01789518	1.32951371	0.03798505	1.39585543	0.00193019	0.17473014	0.00767403	0.22729234	0.04100405
0.01653466	1.11051739	0.02805041	1.30260083	0.00178018	0.12439132	0.007086	0.17261696	0.03095814
0.00745817	1.14515908	0.03736729	1.18003296	0.00181018	0.19038981	0.00359265	0.28692874	0.03840133
0.01376087	1.55870984	0.02465514	0.71476166	0.00167016	0.04342744	0.00497701	0.27576588	0.03873068
0.00991518	1.15640287	0.04606543	0.53075663	0.00275026	0.05002876	0.00410158	0.24977835	0.03592786
0.01920528	1.35749407	0.03869528	1.48809914	0.00207021	0.14228423	0.0061706	0.21178952	0.03996624
0.02298028	0.49248011	0.03617798	0.44380633	0.01780179	0.06268484	0.00775274	0.30472019	0.0763522
0.01516175	1.02415888	0.02532883	0.22828427	0.00183018	0.05741652	0.00730565	0.49242083	0.05860306
0.01362426	0.48103351	0.00647793	0.45964629	0.00132014	0.30200669	0.00654693	0.17211017	0.07750063
0.0045083	0.40628894	0.02304241	0.06069556	0.00146013	0.03637501	0.00290754	0.33372187	0.02831689
0.01476551	1.20237037	0.02120614	0.3403959	0.00179017	0.03726844	0.00535617	0.37218114	0.02950498
0.03570712	1.07395459	0.03719184	0.46522911	0.00157016	0.01803805	0.00938562	0.19804413	0.03497713
0.01203753	0.91725122	0.0279893	1.27037799	0.00167016	0.12330202	0.00498765	0.20072996	0.04042557
0.00978252	1.31967355	0.0264318	0.40302347	0.00158016	0.02306341	0.0031448	0.51292262	0.06559245
0.01228997	1.1959229	0.0390206	0.33694124	0.0019802	0.04551653	0.00394059	0.38957517	0.0497309
0.01492736	1.88397443	0.04830117	1.01720073	0.00181016	0.01130359	0.00721886	0.16961891	0.08967725
0.00694038	0.88071768	0.01985281	0.33929261	0.00168017	0.04555137	0.00334394	1.02071217	0.04219788
0.02549939	1.82405025	0.03041488	0.50699964	0.00206021	0.10090833	0.00819068	0.44589217	0.0795546
0.01358552	1.72431326	0.02279658	0.34120829	0.00165015	0.06340532	0.00328595	0.39494009	0.0464229
0.00838174	1.00947637	0.03999173	0.25338025	0.0020302	0.05077362	0.00404093	0.69623038	0.07848853
0.00994177	0.4442438	0.01306346	0.85776066	0.00120012	0.45501282	0.00479801	0.27695677	0.06996947
0.00221239	0.31207122	0.00841993	0.14393529	0.00071007	0.04616449	0.0007065	0.33483169	0.0068652
0.02705491	0.65453122	0.03547517	0.73621644	0.03437348	0.104185	0.00977274	0.29077715	0.06958156
0.04981726	0.99297906	0.04916671	1.12780619	0.00172018	0.08808859	0.01199108	0.2667241	0.03989458
0.02038897	0.94596535	0.02203925	0.48870376	0.00131013	0.02334147	0.0052348	0.1406021	0.03307118
0.02760785	0.83792919	0.04454406	0.7521001	0.01004096	0.108029	0.00999421	0.45461237	0.0923219
0.02563538	1.13206208	0.04074893	0.56453484	0.00166017	0.06387668	0.00823041	0.09391279	0.04797473
0.01234134	1.84016714	0.00592324	0.46287914	0.00150013	0.02334543	0.00298756	0.28032295	0.01165143
0.01936158	0.73357797	0.13242848	1.02607795	0.00156016	0.0700954	0.010888	0.43673164	0.09726252
0.03035896	0.82569354	0.0460051	0.82245785	0.00692069	0.10822022	0.01204249	0.49410623	0.08859732

0.01960849	0.86550787	0.02893713	1.13822287	0.00173017	0.12600418	0.00687775	0.21123809	0.05346248
0.02544538	1.63716069	0.01542094	0.65642119	0	0.0257135	0.01335362	0.28613829	0.01727953
0.01761654	1.30865276	0.03738384	1.37395241	0.00190019	0.17198889	0.00755459	0.22372658	0.04036563
0.01693171	0.82990928	0.023371	0.37870241	0.00182018	0.14250338	0.00726618	0.94152006	0.02823267
0.0125685	0.51810631	0.01816508	0.41862037	0.0012301	0.46752409	0.00488143	0.19865879	0.10612545
0.01540462	1.22988633	0.0294621	0.65802899	0.00166016	0.03629205	0.00495743	0.76617954	0.0466209
0.02627499	0.5630946	0.04136033	0.50744141	0.02035205	0.07167857	0.00885743	0.34841457	0.08729279
0.0189715	0.45803345	0.01392192	0.34995296	0.00141014	0.1843115	0.00703626	0.32241525	0.11338754
0.00699463	0.84040397	0.02166186	0.36012188	0.00169017	0.02648195	0.00336366	1.22575688	0.04738808
0.01617768	2.1265788	0.03093149	0.76088469	0.00196019	0.03061752	0.00585337	0.23479488	0.05125968
0.01929279	1.11954561	0.03086073	0.45246332	0.00156014	0.07946334	0.00622413	1.20107549	0.14569831
0.02974479	1.10928723	0.02215753	0.4737225	0.00160015	0.02168512	0.00958798	0.13967155	0.01866137
0.01762195	0.72155139	0.10077634	0.38046062	0.00171018	0.06054924	0.0084883	0.40705026	0.10869451
0.00864067	0.8085666	0.01650639	1.05168698	0.00167017	0.10478273	0.00499634	0.32991095	0.02105109
0.14617465	0	0	0	0	0	-0.00122027	0	-0.00939186
0.01998945	0.42115163	0.04052835	0.6521868	0.00643069	0.03636518	0.00639703	0.24070248	0.10670312
0.00988742	0.49575563	0.01782435	0.42525972	0.0012001	0.47417401	0.00359538	0.22290248	0.14028158
0.01586386	0.64218599	0.02028397	0.46209449	0.00128011	0.28181665	0.00639307	0.24685958	0.08354004
0.03134148	0.7260864	0.02049726	0.29987747	0.00160015	0.12327594	0.0111489	0.77722759	0.02477184
0.01623397	0.58080928	0.02145632	0.68670512	0.00121012	0.72252902	0.00602175	0.2870415	0.0678646
0.00692042	0.89114077	0.01980261	0.57310149	0.00167017	0.19931089	0.00333394	0.38656426	0.02267186
0.0250669	0.23892575	0.1852174	0.21159768	0.0010101	0.06437951	0.0321932	0.60636286	0.16491661
0.01445016	0.39792378	0.02640061	0.25155625	0.00128012	0.12203327	0.0050772	0.40152987	0.07162338
0.02373908	0.58053642	0.19034666	0.49820407	0.00144013	0.09286877	0.02150449	0.86344101	0.17304687
0.0125359	1.01190006	0.02394304	0.44608828	0.00152015	0.08700332	0.00452894	0.66018225	0.030846
0.01224863	1.19277522	0.03891226	0.33605428	0.0019802	0.0453912	0.00393064	0.38854632	0.04959571
0.0188791	0.47249173	0.01158965	0.35076163	0.00131013	0.1989075	0.00649935	0.32595819	0.04928388
0.00716042	0.13808111	0.00986032	0.14633296	0.00154016	0.14790274	0.00536388	0.13808094	0.03644895
0.01796303	1.08665602	0.02782714	0.55418841	0.00134012	0.02929517	0.00534699	0.77833656	0.04167995
0.01623572	0.54334813	0.02023088	0.67074632	0.00121012	0.52583591	0.00601055	0.29525038	0.08402703
0.01888699	0.963225	0.04911542	0.52537962	0.00166017	0.0433725	0.00661782	0.13161678	0.06422578
0.01449407	0.94462839	0.05357106	0.39804875	0.00175018	0.09519527	0.00698616	0.11630272	0.05423409
0.02953375	0.41169277	0.01409003	0.30184106	0.00286029	0.1491881	0.00996237	0.44841644	0.01797021
0.01070435	0.84130934	0.0153077	1.01373189	0.00173018	0.10633234	0.00515491	0.33746574	0.02001672
0.02577413	0.97644562	0.17635329	0.55977338	0.00208021	0.09330407	0.01449079	0.26690364	0.1294609
0.01740933	0.43639419	0.53490351	0.50110766	0.00112012	0.1137786	0.01004933	0.32065877	0.16184663
0.01681613	0.96849684	0.01602439	1.08060236	0.00163017	0.06117744	0.00647816	0.27109135	0.0235733
0.01163004	0.97147082	0.03330045	0.42812816	0.00188019	0.03721847	0.00373204	0.6138658	0.05806378
0.01075855	0.455272	0.01718868	0.43220605	0.00116011	0.2400927	0.005785	0.32025737	0.18357304
0.01833163	0.80448426	0.02968786	0.87537209	0.00274026	0.07827638	0.00680965	0.17304315	0.04772849
0.00712375	0.99160729	0.01696711	0.69366397	0.00172018	0.12419709	0.00343294	0.18563111	0.02660522
0.0161314	0.41346708	0.01544799	0.29949625	0.00120011	0.33061378	0.00839302	0.22775516	0.09806007
0.01631806	0.43475578	0.02136953	0.45719726	0.00083008	0.02255255	0.00497754	0.15898429	0.02825162
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0.01341312	0.38531619	0.01560647	0.44031799	0.0028803	0.32982214	0.00429849	0.19291814	0.02364525
0.0169219	0.94762601	0.0161218	1.09130129	0.00164017	0.04616843	0.00651782	0.27844545	0.02371446
0.01682007	1.21883156	0.02894706	0.62921511	0.00163016	0.03057289	0.00487767	0.7695219	0.04422119
0.01509844	0.40799157	0.43706535	0.39194816	0.00112012	0.10563839	0.00558209	0.31362965	0.06052276
0.01568281	0.40713047	0.02857687	0.25621933	0.00138014	0.15264285	0.0054939	0.41618115	0.06274987
0.02162452	0.97191193	0.02060316	0.70130227	0.00161017	0.03865641	0.00640839	0.13111589	0.02020057
0.00407994	0.39960166	0.01069934	0.16416537	0.0009901	0.04841624	0.00196056	0.51379372	0.01049519
0.02167065	1.87174071	0.03194002	0.6509279	0.00191019	0.03979853	0.00569256	0.34473988	0.0571326
0.02099899	1.04825938	0.05814033	0.22991053	0.0020302	0.04243142	0.00810157	0.52619342	0.0629462
0.02348723	1.54860475	0.01830768	0.49048381	0.00207021	0.02158158	0.01232903	0.1173661	0.01794895
0.01843383	1.06192193	0.02789843	0.62901128	0.00149014	0.0527506	0.0059326	0.58908857	0.05477637
0.00364342	0.2846313	0.02427113	0.34070055	0.00088009	0.03962403	0.00175101	0.40537511	0.06198806
0.00981135	1.04521737	0.05079019	0.48131366	0.00136014	0.0976626	0.00405056	0.24368218	0.04851995
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0.02255511	1.01137965	0.04135289	0.65239079	0.00168017	0.08063951	0.00668747	0.09311012	0.04542512
0.02959522	1.15688456	0.0249369	0.95265232	0.00168016	0.01933195	0.01007294	0.15347533	0.01958044
0.01913933	0.62847886	0.03124319	0.61492939	0.00219021	0.03850622	0.00761582	0.18738792	0.03915455
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0.01549786	1.25921444	0.05741482	1.13859216	0.00188018	0.04889095	0.00561442	0.33425257	0.10547711
0.01273497	0.78214063	0.06356303	0.2855164	0.00137013	0.10148688	0.00546439	0.39674929	0.06933308
0.00905941	0.18867786	0.00615393	0.4694611	0.00250026	0.23922425	0.00747259	0.20916276	0.02897222
0.01519265	0.64380251	0.02417577	0.64336521	0.00123012	0.32013992	0.00732556	0.28090978	0.05102039
0.00376455	0.40382077	0.03852785	0.35754098	0.0009101	0.02853395	0.00181092	0.37887242	0.13347724
0.03439437	0.81178031	0.04144821	0.84169751	0.00526053	0.09693295	0.01395286	0.37140188	0.07623283
0.03469856	0.90346784	0.03972713	0.72637537	0.00168017	0.12266858	0.01504796	0.13469145	0.05683684
0.01319869	0.43178534	0.20512206	0.40710913	0.00128013	0.11069004	0.00634879	0.33984683	0.15931248
0.01601952	0.80480934	0.02143181	0.31977574	0.00155015	0.07277925	0.00618147	0.79003226	0.02404044
0.01500988	0.5028385	0.03689931	0.72317789	0.00484051	0.03413582	0.0048157	0.23427617	0.09566194
0.01545108	1.66096012	0.03316308	0.66988644	0.00187019	0.0682776	0.00558316	0.29656942	0.0632464
0.01554885	0.50608118	0.01974492	0.49981179	0.00125013	0.47559907	0.00623909	0.2991653	0.08590582
0.03746076	0.9539633	0.0451179	0.91986217	0.00382039	0.1214918	0.01519631	0.15865626	0.07005798
0.01501719	0.63638525	0.02389982	0.63595167	0.00121012	0.31645285	0.00723598	0.2776718	0.05043039
0.00509751	0.12297329	0.01697656	0.12441996	0.00164017	0.09780112	0.00572153	0.26733315	0.12047942
0.01914167	0.51614467	0.02068824	0.18003166	0.00124013	0.04899724	0.00615027	0.49296659	0.04775412
0.00963079	0.49996935	0.01384051	0.29448008	0.00094009	0.28684503	0.00465952	0.17734375	0.02176152

0.00300461	0.03111535	0.01831736	0.04289863	0.00032004	0.04127465	0.00095445	0.05705332	0.16219369
0.02037495	0.61491429	0.08140539	0.49637199	0.00124012	0.1260473	0.00736475	0.20996603	0.14660717
0.0214428	1.10068721	0.07443952	1.14384603	0.00189019	0.04528837	0.00939544	0.30210051	0.11320714
0.01350372	0.69740133	0.03433974	0.81191981	0.0029003	0.08641914	0.0057819	0.15019088	0.04911718
0.00892693	0.34234303	0.0075653	0.36294105	0.0009601	0.23977487	0.00382142	0.24152108	0.12984211
0.02043597	0.64285829	0.01391926	0.35082771	0.00282029	0.2389171	0.00702588	0.5064448	0.03549578
0.0238264	0.57190159	0.05378781	0.62812791	0.00719078	0.04066035	0.00715282	0.34171976	0.15804842
0.01540427	1.51909245	0.04906882	0.61187642	0.00332032	0.03112341	0.00660926	0.21085261	0.03531598
0.02334808	0.38432363	0.01524289	0.2201894	0.00119012	0.23581839	0.01184339	0.23682261	0.03680095
0.02713869	0.20395285	0.02587932	0.22080075	0.0009701	0.07413266	0.00774251	0.31599347	0.09777306
0.01218693	0.17132703	0.02551732	0.22106971	0.00118013	0.1724769	0.00820847	0.37709851	0.19209596
0.01718807	0.57623301	0.03274819	0.73778534	0.00128013	0.20253272	0.00635875	0.29704174	0.07534638
0.02613093	0.41349327	0.18970737	0.3724157	0.00141014	0.10560336	0.02796384	0.38439175	0.19573656
0.05544657	0.43953758	0.2359488	0.35166306	0.00150014	0.10727842	0.05507636	0.50142744	0.20214008
0.00369688	0.35341684	0.01846015	0.16263681	0.0008901	0.07576754	0.00178073	0.38623286	0.01291368
0.01595812	1.87146283	0.02377245	0.79977731	0.00172016	0.02506208	0.00513728	0.3898869	0.04671253
0.01619793	0.26662563	0.00722761	0.26244868	0.0031403	0.18105542	0.01043257	0.1698907	0.01927854
0.0300367	0.46370458	0.03292634	0.56501318	0.0172417	0.04157571	0.00643965	0.18816424	0.07609376
0.02467082	0.71395016	0.09723986	0.65406597	0.00159016	0.08641169	0.01108624	0.42130199	0.12305301
0.00764573	0.86910027	0.01314915	0.29155031	0.00296029	0.10039882	0.00294628	0.56151067	0.02868682
0.00871047	1.00694843	0.03153105	0.67452912	0.00169017	0.22690218	0.00335366	0.22758305	0.040689
0.00637865	0.45501157	0.37139638	0.44523364	0.0010301	0.11479579	0.00307553	0.31851686	0.07211526
0.01073699	1.21582584	0.04098393	1.11523085	0.00173017	0.02711287	0.00517545	0.11532046	0.03351315
0.01586498	0.33543099	0.10383925	0.29127401	0.0010201	0.03954829	0.00610998	0.51530256	0.44699343
0.01585524	0.62978783	0.03376322	0.69579523	0.00236023	0.23890971	0.00588223	0.21199306	0.05369201
0.01150122	0.39959242	0.01585536	0.43869507	0.00124012	0.2478396	0.00616075	0.31928076	0.24295968
0.00305113	0.18358843	0.03430284	0.17027387	0.00059006	0.04691242	0.0011741	0.20446453	0.30555521
0.01796531	0.5546946	0.07430816	0.46050566	0.00116012	0.21925869	0.00577254	0.21177605	0.14244206
0.01463404	0.50903793	0.16012948	0.54878935	0.00129013	0.08327948	0.00512597	0.38627521	0.0933383
0.0045146	0.11865975	0.02011612	0.1383652	0.00073007	0.14002423	0.00145296	0.24158076	0.13928947
0.01819311	0.58398091	0.06275322	0.63213778	0.00118011	0.46378367	0.0070395	0.18969609	0.04797446
0.0278263	0.55912656	0.03036476	0.5337157	0.19774949	0.07763097	0.0089479	0.20224221	0.04595105
0.01267999	0.32513844	0.18624465	0.27003938	0.00123013	0.10635591	0.00488609	0.26194293	0.13599267
0.01411574	1.12656611	0.0269872	0.60274941	0.00152014	0.0332521	0.00453933	0.70181604	0.04269951
0.00971661	1.84823507	0.023289	0.70941959	0.00158014	0.02288271	0.00469984	0.19990983	0.03052834
0.01466677	0.53169021	0.02561697	0.57564458	0.00118012	0.377196	0.00588106	0.32078838	0.08678653
0.01578376	0.81216936	0.01975731	0.30713829	0.00118011	0.09924601	0.00586402	0.45492234	0.0456731
0.02807189	0.72860774	0.04413666	0.67540852	0.02080207	0.10676639	0.00955462	0.40994391	0.09434808
0.00459655	0.40025806	0.0339496	0.39689416	0.00111011	0.08698649	0.00220935	0.46128562	0.00831132
0.01144668	1.2541661	0.03787335	0.38891115	0.00160012	0.04944663	0.00635697	2.14018283	0.08245037
0.01226793	0.46610099	0.0058406	0.43065698	0.00119012	0.27301773	0.00590103	0.16223981	0.06991185
0.01704442	0.95834662	0.04137677	0.79859777	0.00150015	0.07043155	0.00597115	0.16918997	0.04493326
0.01726654	0.65910978	0.07775531	0.39159822	0.00152016	0.66991416	0.00755248	0.3124883	0.14657983
0.01557782	0.72482325	0.02978935	0.22738115	0.00168016	0.12054643	0.00668968	0.47000652	0.03250864

0.01253402	0.11831711	0.01190481	0.26510118	0.00134015	0.20273133	0.00668487	0.14180064	0.03626129
0.01287317	0.36906031	0.69239526	0.42495251	0.0009601	0.07803301	0.0085773	0.25104459	0.07574384
0.03307683	0.81687458	0.04550395	0.76737551	0.00355037	0.07984959	0.0141496	0.18624055	0.07891384
0.03095695	0.81778831	0.03097446	0.38846049	0.00150015	0.00937882	0.008936	0.2386779	0.03180908
0.00681625	0.96721181	0.03079703	0.59370267	0.00165017	0.18927124	0.00327354	0.22366467	0.04129949
0.01738274	0.38498642	0.04838703	0.47635582	0.00259027	0.94252074	0.00643788	0.2238508	0.05616541
0.01579307	1.5688638	0.04863986	0.72997048	0.00170016	0.02835451	0.00847087	0.1534582	0.04116935
0.02159293	0.35819142	0.28564181	0.3109299	0.00139014	0.11485007	0.01109693	0.40461916	0.2478969
0.02606916	0.248483	0.19262491	0.22005807	0.00105011	0.0669476	0.03347695	0.28203938	0.22242967
0.02319654	0.61531303	0.07637545	0.84374529	0.00250024	0.11406847	0.00870994	0.14973676	0.12699098
0.01685856	0.21235604	0.01006138	0.41052188	0.0020402	0.17560007	0.00914665	0.21325919	0.03158051
0.01419686	0.36902899	0.09274436	0.24423431	0.00106011	0.04301042	0.02631478	0.51335801	0.1134942
0.0460414	0.19870823	0.10474978	0.17069735	0.00079009	0.04570544	0.05373371	0.20419836	0.15439202
0.01581019	0.73807483	0.0370999	0.95970332	0.00139013	0.20319354	0.00554457	0.17008918	0.03777188
0.01325913	0.12520368	0.01259351	0.28053742	0.00142016	0.21453534	0.00707283	0.15005566	0.03837107
0.02243042	0.5768598	0.00831404	0.95046414	0.00362037	0.14354814	0.00960333	0.04543323	0.01398933
0.01353196	0.74575775	0.03440216	0.86041431	0.00146015	0.0804687	0.004349	0.19737556	0.05765113
0.01134902	0.3735242	0.01721569	0.56790518	0.05510505	0.03053872	0.00457003	0.08330562	0.03205205
0.01454942	0.78038323	0.02915609	1.00801594	0.00141014	0.2557194	0.0056132	0.15446425	0.02315255
0.03315683	0.44502657	0.17577448	0.35609096	0.00119012	0.04961859	0.01775524	0.55786562	0.19429878
0.01671748	0.46858721	0.03031914	0.39485894	0.00324032	0.24925381	0.00644923	0.53129904	0.06574729
0.02461677	0.72778422	0.03094689	0.71269225	0.00150014	0.24303383	0.01041429	0.32765718	0.13321149
0.03398102	0.76881942	0.03005724	0.74340014	0.51080267	0.08087895	0.01054797	0.23859496	0.05917695
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0.013267	0.49578951	0.01137307	0.48679679	0.00128013	0.28679426	0.00638813	0.23361164	0.1486146
0.01073633	0.22094751	0.02766175	0.19839935	0.0010401	0.11056987	0.01242119	0.2869422	0.12264162
0.02797189	0.62911517	0.03094119	0.64368503	0.0984496	0.09068492	0.00994372	0.2429961	0.06764036
0.01502946	1.33186924	0.02069864	0.73981799	0.00162016	0.05398173	0.00643893	0.25431455	0.03749439
0.03802255	0.42866074	0.17917549	0.33148564	0.00119012	0.04706447	0.02365881	0.54444849	0.19422762
0.00845996	0.38416983	0.40395871	0.48168433	0.0009101	0.11689621	0.00452731	0.49235953	0.22263502
0.01839792	0.73784224	0.01216002	0.5367678	0.00274027	0.06019095	0.0081911	0.26458298	0.03711863
0.02279093	0.5467976	0.05143594	0.60055602	0.00688075	0.03888069	0.00684443	0.32672827	0.15111889
0.00865075	0.83489311	0.01153336	1.07483356	0.00167017	0.08564366	0.00499546	0.14692388	0.01130891
0.02995819	0.56752113	0.04153662	0.5101283	0.0527154	0.07292109	0.0104887	0.31294917	0.08400396
0.01242914	0.5355437	0.01065855	0.32114061	0.00241025	0.25357718	0.00718509	0.45407983	0.03021053
0.03207402	0.42323518	0.19517189	0.38304155	0.00148015	0.10646758	0.0397063	0.85185627	0.19805586
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0.00700181	0.75888233	0.01469063	0.28693406	0.00135014	0.08204889	0.00269708	0.59493715	0.03276748
0.01122692	0.97125742	0.01683763	0.36760166	0.00311031	0.0923908	0.00309512	0.6151206	0.02852051
0.01835666	0.19835513	0.01372207	0.28606276	0.00127014	0.14051905	0.00882507	0.37396192	0.28071873
0.01380737	0.21698261	0.0065794	0.19119009	0.00223023	0.21620855	0.0099711	0.21429765	0.0279504
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0.01706718	0.32159765	0.24697172	0.39145403	0.00092009	0.09771616	0.01096681	0.54916358	0.36289419
0.0149914	0.7375518	0.06568341	0.35048524	0.00145015	0.06817103	0.00721419	0.36668005	0.0769901
0.01804113	0.62600885	0.02115275	0.63415071	0.00134014	0.24858418	0.0093536	0.33339657	0.09460026
0.02419599	0.32248331	0.02222383	0.39540674	0.04338441	0.03531068	0.00604069	0.12684228	0.04777685
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0.01066131	0.33383191	0.02418604	0.35415649	0.00388038	0.25312816	0.00386187	0.25861637	0.07246629
0.00329793	0.32053795	0.00688325	0.09863871	0.00064007	0.1801113	0.00252627	0.12545874	0.14106923
0.01549975	0.73754675	0.07527095	0.50486523	0.00150016	0.32119384	0.00597027	0.2759014	0.16347878
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0.01537308	0.25301861	0.00686278	0.2490516	0.00298028	0.1718111	0.00989501	0.16121889	0.01829089
0.01361583	1.44454052	0.04569274	0.36712298	0.00165015	0.05323473	0.00823485	0.82118336	0.05614658
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0.02584546	0.60674159	0.01450159	0.824274	0.00147015	0.18582	0.01025048	0.33016223	0.02417707
0.02032842	0.66268651	0.06462795	0.73067987	0.00131013	0.18893777	0.0065285	0.24166996	0.13185905
0.0069968	0.80796929	0.01332615	0.91053055	0.00169017	0.11304049	0.0033635	0.14356353	0.01469932
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0.01517158	0.40417486	0.0795103	0.35380362	0.00122013	0.11758104	0.00607956	0.33453435	0.07080831
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0.01222892	0.26377697	0.02531922	0.20968745	0.00107012	0.73189592	0.00426728	0.31581139	0.06299172
0.01222151	1.56296387	0.03160961	0.43981438	0.00169018	0.03354038	0.00336327	0.18822852	0.03261789
0.02648601	0.28051841	0.01233169	0.41999777	0.06558567	0.03887535	0.00622433	0.05556355	0.01971577
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0.0114085	0.41554402	0.00792269	0.39965941	0.0010101	0.65508605	0.00499627	0.26559392	0.03302828
0.01458459	0.46808953	0.16828246	0.30245589	0.00141014	0.10311503	0.00702615	0.3778843	0.20792363
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0.01798154	0.4654738	0.04644675	0.66563532	0.0020502	0.28629281	0.00612111	0.16073929	0.03269706
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0.02143735	0.52310892	0.02840696	0.62224404	0.00115012	0.688722	0.00803163	0.16835487	0.0412483
0.01404554	0.35475378	0.17770739	0.27813241	0.0010501	0.06655809	0.01772891	0.28365577	0.15457782
0.01622912	1.18803878	0.03442123	0.5584063	0.00175017	0.02913532	0.00521527	0.72626168	0.13339734
0.0527804	0.37889277	0.09711038	0.27126935	0.00131012	0.03553071	0.06141069	0.32258664	0.09497941
0.0326277	0.4488936	0.14171357	0.37066428	0.00117012	0.04760881	0.01280778	0.54859505	0.18192075
0.01689558	0.66879986	0.03596262	0.69070364	0.00252025	0.1487469	0.00625999	0.24327856	0.06203447
0.00720494	0.4353303	0.00343942	0.34023715	0.00349034	0.26578248	0.00694722	0.15678859	0.01913873
0.01774359	0.70204979	0.02682576	0.43904262	0.00287028	0.16130188	0.00998293	0.45908649	0.05541563
0.005915	0.15593	0.01045718	0.23643565	0.00082009	0.17249311	0.00406968	0.1394228	0.5793513

0.03515185	0.38611447	0.17224459	0.28944314	0.00110011	0.04351165	0.02516302	0.50812857	0.17970752
0.03500788	0.38862971	0.1640454	0.28838329	0.00109011	0.04219369	0.02288459	0.4888974	0.17271643
0.01675937	0.72599711	0.07436665	0.49199094	0.00116011	0.12446888	0.00577351	0.17838328	0.12917838
0.02540301	0.6963632	0.02312678	0.68610454	0.00247023	0.20162894	0.00736796	0.18250411	0.02990427
0.01032799	0.82750715	0.02138012	0.7731621	0.00167016	0.15127219	0.00332454	0.21277823	0.02906552
0.01566464	0.33599743	0.01213556	0.36875438	0.0009501	0.639188	0.0056624	0.2021975	0.03570365
0.0301608	0.9505474	0.05292555	0.80490336	0.00488046	0.06089341	0.01132953	0.5800931	0.09611706
0.02797406	0.52980484	0.03877867	0.47622821	0.04921504	0.06807639	0.00979211	0.29214924	0.07842108
0.01989324	0.45319237	0.37153319	0.40303433	0.00113012	0.09220798	0.00789138	0.41477302	0.06062886
0.02002666	0.45869291	0.04487523	0.6235352	0.00228024	0.29837999	0.00679626	0.28572152	0.06048116
0.02486821	0.71309457	0.03038018	0.7368949	0.00134013	0.30822271	0.00800365	0.17794587	0.02723893
0.01563372	0.21575606	0.01832563	0.22520165	0.00116012	0.13737057	0.01273662	0.37476626	0.12802831
0.01977197	0.48521149	0.00920187	0.63774985	0.04895423	0.0290113	0.00464086	0.04147651	0.01471398
0.01480298	0.49588034	0.03638737	0.71317095	0.0047705	0.03365488	0.00474605	0.23102615	0.0943305
0.01654429	0.59232163	0.03647684	0.43687756	0.00123012	0.47694996	0.0073661	0.16104447	0.06089025
0.00998572	0.42503071	0.20618262	0.52777495	0.00107011	0.15019451	0.00640836	0.30091357	0.55532467
0.01035061	0.17049107	0.01313586	0.31962758	0.00111012	0.19406786	0.00442793	0.27040953	0.1282149
0.01591069	0.75641999	0.02758241	0.93510804	0.00140014	0.22505485	0.00696617	0.13937757	0.02164145
0.02485376	0.49929872	0.0271223	0.47660926	0.1765874	0.06932268	0.0079924	0.1806039	0.04102807
0.03701932	0.89670428	0.03995057	0.81854797	0.00312031	0.01300254	0.0108586	0.15848015	0.03920164
0.01695637	0.6879224	0.19137495	0.15311822	0.00082009	0.04626433	0.01387108	0.4430305	0.25250847
0.02054091	0.70404771	0.04168719	0.52354026	0.00117011	0.2064094	0.00700961	0.47860331	0.09560798
0.00808974	0.25090749	0.05670166	0.36905722	0.00098011	0.1882129	0.00388959	0.23918866	0.37403554
0.01181438	0.20759431	0.01057643	0.40681888	0.04794468	0.03280335	0.0042701	0.04577362	0.01937908
0.03037567	0.61026752	0.03315386	0.58253742	0.21584127	0.08473004	0.00976406	0.22074807	0.05014864
0.07119765	0.0057061	0.01708929	0.00208158	0	0.00046342	0.01985899	0.01469187	0.06908491
0.0073707	0.43425485	0.00301553	0.33955531	0.0020402	0.36291563	0.00507599	0.40032278	0.03751013
0.01441633	0.61683637	0.07755289	0.48614994	0.00127013	0.29624847	0.00631975	0.24383075	0.14725485
0.01991524	0.64920454	0.06331765	0.71581362	0.00129013	0.18509725	0.00639913	0.23675294	0.12917257
0.02119921	0.3911367	0.10705703	0.20310133	0.00098009	0.02752254	0.03700883	0.21044743	0.1136223
0.02390136	0.92020512	0.03186816	1.07057347	0.00154016	0.16903364	0.00767203	0.14474426	0.0431477
0.04195484	0.47309296	0.19774354	0.36583335	0.00131013	0.05194289	0.0261073	0.60087336	0.21435554
0.01553906	0.2268528	0.01089192	0.40405761	0.0020102	0.14021419	0.00999346	0.2144428	0.03303101
0.01862801	0.72458904	0.03287828	0.63924693	0.00139013	0.30188651	0.00553452	0.44640821	0.10489917
0.01661868	1.04069377	0.03841796	0.7747371	0.00134013	0.04055208	0.00802366	0.2270841	0.04033427
0.00592698	0.31154706	0.00484792	0.29566852	0.00082008	0.32246629	0.00326443	0.29013464	0.02296966
0.00918478	0.26145241	0.0855531	0.25915709	0.00111011	0.17969731	0.00442925	0.25074937	2.12108422
0.00689846	0.39321887	0.18609701	0.36385669	0.00111012	0.13357182	0.00331338	0.30569391	0.06226621
0.02638311	0.35256389	0.03033014	0.31292509	0.20189144	0.0599945	0.0084571	0.17444071	0.05431862
0.03305651	0.74783269	0.02923741	0.7231096	0.4968615	0.07867232	0.01025912	0.23208701	0.05756311
0.0808834	0.00648427	0.01941804	0.00236205	0	0.00052237	0.0225653	0.01669421	0.07848732
0.03003311	0.70617879	0.03261664	0.63115287	0.18040539	0.0658549	0.0101188	0.19727549	0.04689835
0.0342481	0.77482841	0.0302943	0.74920987	0.514793	0.08151089	0.01062765	0.24046225	0.05963388
0.02341917	0.23039799	0.12076698	0.19550423	0.00078008	0.06040327	0.01399042	0.52891313	0.25110923

0.01810055	0.44758038	0.0599002	0.45291907	0.00234023	0.75706334	0.00697675	0.32944307	0.0508518
0.02398897	0.25179793	0.01146376	0.45871402	0.03779368	0.01286851	0.00361319	0.03667806	0.0182769
0.03115421	0.4295296	0.17272554	0.3305841	0.00116011	0.04840981	0.01617356	0.25657076	0.19193743
0.03496663	0.38815226	0.16384822	0.28803074	0.00109011	0.04214162	0.02285472	0.48829288	0.1725035
0.01449291	0.43860926	0.18981758	0.16637412	0.00127013	0.11845728	0.00634932	0.30533062	0.1409874
0.01428221	0.26700829	0.04555434	0.23449469	0.00053005	0.02497678	0.00529407	0.19674686	0.10012936
0.03648674	0.42448821	0.12189482	0.32425405	0.00147015	0.07370959	0.04250804	0.38741599	0.18472767
0.01924629	0.40532434	0.18179173	0.3704869	0.00143015	0.10027035	0.01708306	0.34589898	0.17527339
0.03508017	0.79372318	0.03103512	0.76748236	0.52735405	0.08349997	0.01088662	0.24632937	0.06109215
0.01426023	0.48227503	0.09636606	0.19763924	0.00115011	0.11401747	0.00457815	0.42847399	0.07007669
0.03016788	0.36139521	0.15196502	0.27621282	0.0010101	0.04096571	0.01805518	0.46723342	0.16376251
0.01462986	0.37368418	0.02148183	0.39956533	0.00218022	0.64598819	0.00650907	0.2911285	0.03794927
0.02574575	0.34449306	0.06541779	0.44651339	0.00076008	0.02759092	0.0090157	0.25822609	0.12098777
0.02775368	0.22726794	0.01379794	0.19304438	0.00117012	0.18408591	0.0150956	0.22847428	0.03606631
0.02266016	0.4790798	0.03753757	0.47936022	0.01847186	0.06746361	0.00689685	0.30587607	0.07923212
0.02925798	0.36418745	0.1636015	0.27839712	0.0010101	0.04328613	0.01913923	0.48523885	0.17227663
0.04993339	0.74204769	0.11361754	0.1851354	0.00086009	0.04957702	0.05828033	0.53643934	0.22093578
0.0143167	0.36738348	0.02509766	0.50962121	0.01595176	0.0322937	0.00529214	0.1595661	0.06758502
0.0123954	0.26367516	0.00592326	0.52716981	0.0020002	0.20765446	0.00896787	0.15252628	0.0174295
0.01243223	0.30359564	0.02524454	0.40370201	0.0104211	0.02596531	0.00398996	0.14028624	0.05721361
0.02085457	0.23563566	0.0132737	0.4150818	0.00225022	0.15913207	0.01116702	0.26211249	0.0368876
0.01743265	0.43187009	0.01142601	0.58921269	0.00105011	0.51467959	0.00629923	0.14836505	0.01527154
0.01342638	0.43651788	0.02451104	0.36022114	0.00118011	0.59512628	0.00470849	0.28321277	0.06073064
0.01831671	0.361009	0.23318548	0.43731415	0.00104011	0.11978127	0.00726418	0.49748306	0.16316029
0.01450466	0.99497937	0.01459452	0.95698083	0.0156617	0.02156077	0.0040988	0.09023316	0.0373336
0.03216857	0.40662337	0.13825888	0.32694795	0.00111011	0.04758185	0.01662203	0.52026587	0.17769035
0.02060348	0.23815647	0.01040444	0.44203676	0.00235024	0.16894696	0.01050959	0.26274635	0.12930519
0.01020619	0.18139809	0.05706849	0.2616226	0.00109012	0.14786101	0.00761963	0.23233434	1.7297194
0.01511191	0.512082	0.04342364	0.59343148	0.00524048	0.02506937	0.00626239	0.21945272	0.09042032
0.01818515	0.5827206	0.08430325	0.47438903	0.00126013	0.42322858	0.00626006	0.26423858	0.14838048
0.00952534	0.27106716	0.08869873	0.26868189	0.00115011	0.1863053	0.0045885	0.25997351	2.19910876
0.01001637	0.26867804	0.12078731	0.33268255	0.00081009	0.08269941	0.00481549	0.63185704	0.20003341
0.01796526	0.35414071	0.22875138	0.42899307	0.00102011	0.11749383	0.00712486	0.21450795	0.16005267
0.01111586	0.18921185	0.01057097	0.33037026	0.00107011	0.15274934	0.00640716	0.29571089	0.10131975
0.02415647	0.91745636	0.0491943	0.6070242	0.00147013	0.29033001	0.00729829	0.61828892	0.12656317
0.02681598	0.7008535	0.04474647	0.31181956	0.00130013	0.04333888	0.01033012	0.23412624	0.07650427
0.03017056	0.40458032	0.09126479	0.10496132	0.00070007	0.06020903	0.34024467	0.31240372	0.35429904
0.0690988	0.00554015	0.01658379	0.00201691	0	0.00044655	0.01927918	0.01426803	0.06705657
0.01093008	0.17356626	0.00730298	0.30996778	0.00212021	0.2362646	0.00633024	0.18086117	0.02970292
0.011243	0.30828181	0.15843615	0.20242119	0.00084008	0.05152568	0.01083856	0.26489275	0.17303967
0.03255299	0.36145368	0.15257011	0.26821048	0.0010201	0.03923565	0.02128197	0.45470518	0.16062776
0.01352827	0.17897572	0.00693149	0.16108966	0.00101011	0.27655792	0.0080098	0.16750721	0.02299199
0.0396209	0.7225511	0.03509829	0.73225575	0.09112858	0.05332976	0.01133901	0.21117917	0.06206006
0.03691004	0.20856914	0.11750947	0.11675054	0.00078007	0.04211762	0.4945869	0.35390615	0.23614635

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0.00743929	0.43469586	0.00609161	0.29549221	0.0010301	0.23914115	0.00512613	0.21947024	0.07470257
0.00313271	0.08303542	0.00423445	0.06400743	0.00025003	0.05097459	0.00201002	0.06762374	0.26471205
0.01029944	0.18312791	0.05757813	0.26411186	0.00110012	0.14926499	0.00768926	0.23454402	1.74617055
0.01055067	1.18096776	0.02769112	0.41684968	0.00128013	0.04927987	0.00381194	0.32943911	0.03705391
0.01118413	0.44720195	0.02423255	0.53554159	0.10082806	0.04415997	0.0054293	0.1076738	0.03624871
0.0137802	0.29640288	0.01513118	0.3027142	0.00205022	0.58886667	0.00509422	0.20307111	0.02965547
0.03023155	0.49119597	0.10256231	0.1058121	0.00067006	0.03676453	0.20441024	0.32015943	0.20211041
0.00754245	0.26874026	0.12363027	0.34975111	0.00081009	0.12109723	0.00564139	0.20752835	0.42878614
0.0186217	0.52357226	0.03205527	0.62023829	0.00121012	0.32912541	0.00599271	0.23712526	0.05246891
0.02398726	0.1978384	0.06392517	0.14137239	0.00061006	0.01976461	0.00791326	0.26085854	0.0840667
0.01789604	0.37465934	0.02668221	0.47946615	0.00108011	0.53363963	0.00646906	0.23648053	0.03560158
0.008092	0.32086633	0.00481641	0.99034713	0.0019602	0.44137348	0.00389093	0.29104467	0.01700827
0.03093662	0.63643027	0.12100445	0.19254119	0.00086008	0.05531122	0.43301649	0.37078101	0.27768678
0.02505635	0.39643515	0.18188215	0.35705978	0.00135014	0.10125018	0.02680946	0.36853563	0.1876611
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0.01866816	0.36792657	0.23765903	0.44569397	0.00106011	0.12206868	0.00740349	0.50701811	0.16629053
0.01646118	0.21345382	0.01191502	0.30178172	0.01401146	0.00732478	0.00316425	0.04840894	0.02704734
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0.00846736	0.29513285	0.02416214	0.47380463	0.03183343	0.03900996	0.00271602	0.13447175	0.05172541
0.02182744	0.79365756	0.04441093	0.56426616	0.00132012	0.26047633	0.00659098	0.54064663	0.11038176
0.01676417	0.38677552	0.01826026	0.36927878	0.00232024	0.66800805	0.00576169	0.26883246	0.04252155
0.00955029	0.32150347	0.20911693	0.43386527	0.0009201	0.13226718	0.00735263	0.54846929	0.44711603
0.01442712	0.12903756	0.06255568	0.09610183	0.00040004	0.016243	0.00755381	0.2238114	0.07409846
0.02100498	0.27289693	0.05844781	0.23823378	0.00057006	0.025339	0.0067477	0.19894009	0.11794633
0.00996839	0.23452495	0.06954117	0.3543394	0.00214023	0.18026628	0.00425808	0.23022217	1.2576997
0.01494027	0.6362896	0.05275745	0.70360774	0.00868087	0.06187708	0.00576258	0.22441363	0.10072251
0.01788504	0.30019231	0.23426592	0.42724115	0.0009601	0.11653591	0.00764014	0.40527785	0.21898478
0.02937219	0.37225053	0.02992202	0.46226598	0.01723185	0.03923182	0.00705388	0.17434747	0.06743343
0.019002	0.59783774	0.04096549	0.5879831	0.00245026	0.02946071	0.00487503	0.27713532	0.10742221
0.00869203	0.33435097	0.00459957	1.0311544	0.00187019	0.28312543	0.00372172	0.30814125	0.0171518
0.02378421	0.68570932	0.03649172	0.48400462	0.00128013	0.02137106	0.00763189	0.17936135	0.0505659
0.06421383	0.33064199	0.12774193	0.0888727	0.00057006	0.04164275	0.06421031	0.26642739	0.26788587
0.16099197	0.00484677	0.01433705	0.00257146	0	0.00096866	0.03880444	0.01107303	0.06147554
0.02088161	0.69543005	0.02016891	0.77878579	0.14044038	0.09231953	0.00677611	0.14457402	0.04086838
0.00273136	0.16234472	0.00156804	0.42655024	0.0021202	0.15376329	0.00158289	0.19450281	0.00718736
0.05235805	0.00032878	0.0021624	0.00016904	0	0.00011183	0.01040408	0.0007355	0.00550485
0.00947157	0.21255079	0.01800092	0.29823681	0.00732079	0.02041573	0.00364126	0.10320906	0.04174604
0.02261187	0.25347055	0.01553946	0.4795793	0.04293428	0.01005392	0.00435925	0.034654	0.01948115
0.02576076	0.1486126	0.0644564	0.10506064	0.00050005	0.01873154	0.00845031	0.22785423	0.08691613
0.00155658	0.00179507	0.00241801	0.00030891	0	0.00014108	0.00059387	0.00218887	0.00834704
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0.00194742	0.15307565	0.00093702	0.40733706	0.00189018	0.12556486	0.00141371	0.16290644	0.00550378
0.02167262	0.18627795	0.0571507	0.13079769	0.00057005	0.01774926	0.00735656	0.23564282	0.0753818
0.08144093	0.00260288	0.00315227	0.00027282	0	0.00013707	0.01174702	0.00715544	0.02521079
0.00604668	0.1413853	0.01150394	0.23313243	0.00084009	0.17123775	0.00414849	0.13528496	0.63727243
0.00423696	0.21940731	0.00270193	0.26064183	0.00274026	0.17453278	0.00204077	0.23448583	0.00662423
0.13910706	0.00781905	0.00962773	0.0003264	0	0.00017372	0.19675382	0.01539399	0.04670623
0.00413264	0.26551919	0.00236421	0.29061735	0.00160016	0.19865819	0.0023884	0.32680239	0.02321627
0.00681812	0.23908561	0.00288439	0.33132399	0.00293031	0.16079086	0.00291522	0.19600998	0.00706125
0.00418861	0.21369747	0.00132922	0.37018196	0.00540057	0.19416873	0.00201988	0.10564001	0.00456469
0.00781563	0.29543769	0.0033089	0.37547375	0.00252026	0.24377288	0.00334344	0.24938206	0.01296627
0.00631667	0.32102247	0.00258214	0.39839634	0.00262026	0.22068644	0.00260773	0.32440966	0.01860864
0.00587905	0.31823776	0.00373337	0.34214089	0.00190019	0.24173037	0.0028362	0.17374453	0.02841216
0.00747682	0.2691566	0.00316072	0.35968927	0.00241025	0.16959812	0.00319403	0.22260646	0.00853183
0.03279519	0.29821079	0.12139574	0.0842222	0.00054005	0.04435856	0.05998087	0.24971688	0.33175952
0.00406046	0.10450903	0.00673961	0.05686461	0.00025003	0.02972332	0.00316339	0.07914686	0.27085281
0.01588144	0.19607986	0.06643144	0.17707161	0.00059006	0.0302281	0.00529472	0.28324874	0.12462781
0.19049888	0.0043066	0.01294404	0.00216788	0	0.0009252	0.03836017	0.01033854	0.05671199
0.00971832	0.72685901	0.106089	0.30906189	0.00079008	0.10062023	0.00781377	0.35677452	0.39593717
0.24081837	0.0119066	0.02488984	0.00215871	0	0.00081097	0.04059463	0.02563745	0.09220447
0.00339198	0.44567343	0.00161714	0.43872081	0.0011001	0.10886196	0.00163259	0.18405118	0.00795014
0.68001651	0.06095832	0.07479198	0.02496903	0.00031003	0.01587603	0.04178672	0.05186979	0.21153767
0.03605598	0.00363172	0.00686928	0.00189899	0.00024989	0.00059512	0.01592673	0.00651529	0.03419522
0.00689706	0.17586703	0.03227814	0.09829404	0.00111012	0.0940472	0.00441797	0.25085564	0.79717902
0.0377517	0.37433347	0.07850209	0.09355605	0.00047005	0.02248832	0.01492875	0.23417162	0.11598639
0.00191804	0.13085902	0.00109164	0.24069131	0.00370042	0.18458146	0.00073603	0.02391277	0.00320494
1.04335914	0.03991451	0.07075305	0.01203727	0.00029003	0.00834014	0.04553202	0.03227289	0.14365236
0.58428203	0.03685497	0.06298398	0.01278175	0.00028003	0.00838166	0.04893656	0.02809323	0.12476559
0.00274746	0.17035208	0.00105418	0.22482259	0.00213021	0.16232688	0.00159233	0.16023426	0.00462917
0.16931411	0.00729732	0.00479975	0.00032598	0	0.00017415	0.16662975	0.01368518	0.04241367
0.00487826	0.62861153	0.00198954	0.68057046	0.00202021	0.16956175	0.00201013	0.19130511	0.00520545
0.00258298	0.16889853	0.00092597	0.28191486	0.00344035	0.15728678	0.00093545	0.01653697	0.00271475
0.00152419	0.18348813	0.0007179	0.26273779	0.00330037	0.18082647	0.00072608	0.03540661	0.0028197
0.00188312	0.18405072	0.00071861	0.28410435	0.00291031	0.1657194	0.00072631	0.03210034	0.00315419
0.00921377	0.27700849	0.01753692	0.43952583	0.02348246	0.03299179	0.00402988	0.1027651	0.03516168
0.00265546	0.15921086	0.0010146	0.20868488	0.00206021	0.14443746	0.00153254	0.16324647	0.00447278
0.17292033	0.05069647	0.05624949	0.00331011	0	0.00221623	0.04085881	0.06703562	0.23668812
0.00240103	0.10504333	0.00076931	0.22346824	0.00388036	0.1487272	0.00077653	0.00949576	0.00263533
0.00155832	0.18131707	0.00112359	0.2633956	0.00341033	0.20549369	0.00075646	0.0388481	0.00402407
0.00328389	0.15890751	0.00104443	0.71307817	0.00424042	0.22131609	0.00158243	0.06432704	0.00409854
0.0052177	0.09002078	0.02422962	0.03771283	0.00019002	0.0195186	0.00241751	0.05065369	0.26163822
0.05016055	0.00433606	0.00467644	0.00126565	0	0.00056425	0.02206104	0.01680085	0.05947962
0.07343703	0.00887804	0.0028621	0.00350957	0	0.00215949	0.00853146	0.02293055	0.07539903
0.1571406	0.00883375	0.01087835	0.00037585	0	0.00019416	0.22226217	0.01738596	0.05276214
0.00415369	0.10705006	0.00690687	0.0582413	0.00025003	0.03044599	0.00324298	0.08105723	0.27742315

0.00314309	0.40745844	0.00085673	0.44253379	0.00174018	0.06392812	0.00129358	0.09977122	0.00293473
0.00579077	0.18043891	0.0172862	0.09825779	0.00080009	0.08114541	0.00357121	0.16850793	0.46671949
0.04005621	0.02129973	0.01000945	0.00873802	0	0.00406765	0.01078588	0.02832708	0.12323045
0.00165646	0.11339753	0.00094476	0.20810464	0.00319035	0.15378978	0.00063671	0.02047643	0.00276657
0.01444715	0.22636478	0.01162065	0.40373714	0.05158505	0.02227162	0.00366287	0.03518117	0.00998341
0.49508309	0.00982477	0.01292361	0.00044663	0	0.0002233	0.07268942	0.01728683	0.06221947
0.00376193	0.11462483	0.00688558	0.06860628	0.00026003	0.04376494	0.00257628	0.09226538	0.25144344
0.42158867	0.01247214	0.02103454	0.00131371	0	0.0013927	0.03810396	0.01127034	0.04703519
0.10080177	0.00020853	0.00234474	0.00010893	0	8.2092E-05	0.00973867	0.0002843	0.00469035
0.07965263	0.00155649	0.00398002	0.00024539	0	0.00022921	0.00953708	0.00458928	0.01657695
0.33521037	0.05569148	0.04850911	0.01905624	0.00029002	0.0131121	0.03310605	0.05860701	0.19489849
0.00227418	0.01942186	0.00757338	0.00456622	0	0.00372901	0.00095528	0.02101841	0.07211821
0.07296659	0.0096166	0.00939317	0.0016058	0	0.00068499	0.01852483	0.02045378	0.09469873
0.51158022	0.0192688	0.03507633	0.00262767	0	0.00255627	0.0463092	0.01685038	0.0761154
0.2245594	0.00227558	0.00730561	0.00091469	0.00022999	0.00045525	0.03757279	0.00652494	0.03829349
0.00093387	0.00258767	0.00166861	0.00058414	0	0.00034677	0.00024945	0.00320249	0.01215985
0.07138319	0.00041079	0.00166172	0.00028526	0	0.00011527	0.0192881	0.00067133	0.00884206
0.0035176	0.08951574	0.01376254	0.042098	0.00019002	0.02153071	0.00263664	0.05851	0.20522627
0.0046565	0.10280334	0.01639943	0.04459391	0.00017002	0.01916161	0.00166154	0.0552693	0.19937862

VT	VA	WV	WI	BIOG	OTHER	ICBC	SOA	total sulfat
0.0027221	0.20994582	1.315393546	0.1264452	0	1.39384	0.41439	0	12.92231
0.00214415	0.15216073	0.585585045	0.21879036	0	0.77629	0.30967	0	11.15676
0.00233146	0.31879337	1.157726972	0.14944076	0	0.65808	0.26785	0	12.12323
0.00154395	0.21163117	1.008394557	0.06745266	0	0.62591	0.29842	0	7.644932
0.00216031	0.15349564	0.590720702	0.3540595	0	0.7831	0.31238	0	11.66455
0.00236073	0.32291695	1.172718233	0.15137251	0	0.6666	0.27132	0	12.51159
0.00150707	0.08589048	0.334142947	0.14744067	0	0.69144	0.52156	0	7.129818
0.00162425	0.12393262	0.860446434	0.0519394	0	0.69623	0.24601	0	7.597244
0.00183904	0.14633208	0.501676145	0.16775693	0	0.69517	0.28389	0	9.068581
0.00165141	0.21330052	0.546611111	0.02412997	0	0.15218	0.20618	0	10.77661
0.00228553	0.08185174	0.271453537	0.14170994	0	0.23767	0.39611	0	11.37821
0.00195657	0.15912975	0.487690741	0.12322121	0	1.75069	0.32765	0	9.755357
0.0034552	0.29185609	1.025509822	0.07032915	0	0.71141	0.34716	0	8.569379
0.00189236	0.0982249	0.270651385	0.64146616	0	0.50728	0.47168	0	9.473122
0.00216798	0.450575	1.129947632	0.09267259	0	0.68733	1.02884	0	13.99699
0.00236243	0.11356684	0.386900906	0.07575232	0	0.23403	0.34168	0	11.96229
0.00235839	0.11351191	0.386750549	0.0757229	0	0.23394	0.34155	0	11.95767
0.00240885	0.11570922	0.394197451	0.07718438	0	0.23845	0.34813	0	12.18803
0.00153142	0.2008229	0.938243359	0.06239434	0	0.37494	0.24743	0	7.00671
0.00203407	0.14446918	0.555996297	0.33325207	0	0.73706	0.29402	0	10.60274
0.00178325	0.09246303	0.25482753	0.60395265	0	0.47754	0.44403	0	8.914907
0.00362708	0.33628372	0.446772943	0.12473714	0	0.87631	1.04511	0	12.07878
0.00133849	0.17809797	0.434888462	0.01953016	0	0.15511	0.22006	0	8.399338
0.00205398	0.21338276	0.663119488	0.12531737	0	0.3944	0.37814	0	9.284732
0.00247549	0.08856872	0.293722522	0.15334138	0	0.25717	0.42861	0	12.34698
0.00170045	0.12694993	0.362984049	0.4057978	0	0.54143	0.27071	0	7.72054
0.00194157	0.12470221	0.536939354	0.13714978	0	1.08776	0.29596	0	8.913122
0.00181243	0.10809676	1.152263742	0.17353844	0	0.81378	0.60944	0	10.34871
0.0019942	0.14402465	0.471403222	0.34535506	0	0.73027	0.32171	0	9.224379
0.0016524	0.0928913	0.341553138	0.15656812	0	0.73247	0.51829	0	7.888408
0.0016773	0.10886637	0.42401517	0.18647987	0	0.72818	0.4522	0	8.662233
0.00172018	0.10439649	0.30331061	0.23399112	0	0.70165	0.49558	0	8.467494
0.00220126	0.30095516	1.092958143	0.1410764	0	0.62126	0.25287	0	11.46239
0.00215887	0.29537783	1.072698463	0.13845824	0	0.60975	0.24818	0	11.44452
0.00171617	0.13084242	0.908354458	0.05483688	0	0.735	0.25971	0	8.020318
0.00183497	0.16736329	0.57472802	0.36589206	0	0.42127	0.23061	0	8.418834
0.00257426	0.19619038	0.555992302	0.07236674	0	0.39279	0.35453	0	11.36827
0.00205932	0.10856518	0.638342525	0.15339087	0	1.29531	0.25255	0	9.830463
0.00215427	0.1564084	0.457965056	0.13940834	0	0.94851	0.43269	0	9.297834
0.00156793	0.12218161	0.724801763	0.10777684	0	1.01297	0.23424	0	7.765947
0.00236344	0.11370417	0.387371593	0.0758406	0	0.23431	0.3421	0	11.97685
0.00175115	0.09702192	1.160199298	0.16770925	0	0.76913	0.5526	0	10.04757
0.00200398	0.15940237	0.493097039	0.40951912	0	0.60534	0.27389	0	9.516591

0.00153984	0.12692742	0.420726731	0.12044244	0	0.74772	0.50204	0	7.763212
0.00202966	0.10173799	0.295947798	0.67975864	0	0.55796	0.5037	0	10.16794
0.00252389	0.12133084	0.413352405	0.0809313	0	0.25003	0.36504	0	12.78011
0.00213481	0.15947101	1.004148229	0.10348556	0	1.26793	0.34023	0	10.61263
0.0015279	0.12517686	0.917514057	0.07557212	0	0.63392	0.28141	0	7.397671
0.00180229	0.39619962	0.8668914	0.05956244	0	0.23215	0.58217	0	9.988088
0.00095343	0.05051128	0.457808397	0.59409145	0	0.34801	0.28199	0	7.102335
0.00245461	0.30290502	0.50532235	0.12602967	0	0.76105	0.51061	0	11.12601
0.00226008	0.23480877	0.729697723	0.13789998	0	0.434	0.41611	0	10.21493
0.00160573	0.07362783	0.399456039	0.15099317	0	0.6847	0.44005	0	8.152334
0.00183872	0.0923062	0.805788746	0.61668795	0	0.50623	0.457	0	9.762111
0.0015192	0.11601629	0.805497652	0.048621	0	0.65176	0.2303	0	7.042615
0.00222548	0.30474963	1.106741895	0.14285126	0	0.62909	0.25605	0	11.72607
0.00212669	0.16167596	0.458158774	0.05964678	0	0.32368	0.29216	0	9.463244
0.00214833	0.08258217	0.266583991	0.10398609	0	0.25731	0.43168	0	10.52047
0.00217494	0.30954154	0.964134971	0.14544418	0	1.0683	1.2923	0	11.37511
0.00174199	0.25323268	0.548440698	0.21454873	0	0.83312	0.51919	0	9.978242
0.0022255	0.12904687	0.325936751	0.41696819	0	0.72452	0.66726	0	11.49213
0.00218269	0.02787648	0.118938586	0.08285641	0	0.19041	0.18392	0	11.54976
0.00170569	0.07202286	1.094247001	0.15154432	0	0.66836	0.41455	0	11.10863
0.00230151	0.23926049	0.743543423	0.14051239	0	0.44224	0.424	0	10.29863
0.0035592	0.54869057	0.821520512	0.04478888	0	0.46677	0.68166	0	10.65161
0.0018932	0.15834475	0.289329653	0.17629653	0	0.68464	0.5724	0	10.28857
0.00218427	0.17126151	0.499830862	0.13306569	0	0.40839	0.3803	0	9.23542
0.00220689	0.41143983	0.656762387	0.18647832	0	0.43086	0.65395	0	11.1465
0.00414376	0.30103963	0.85261116	0.08763891	0	0.98236	0.39787	0	10.24219
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00181614	0.14213009	0.354972443	0.04584268	0	0.33505	0.26479	0	8.376752
0.00222261	0.46344481	0.522586884	0.09462719	0	0.46199	0.60059	0	10.12472
0.00197761	0.33050648	0.8070345	0.07657623	0	0.42088	0.35236	0	8.729214
0.001977	0.03387922	0.087969826	0.13621964	0	0.42301	0.21542	0	9.504174
0.003628	0.33070805	0.489394827	0.12462985	0	0.74676	0.57084	0	10.10168
0.00165846	0.09334224	0.343193415	0.15732146	0	0.73598	0.52077	0	7.926239
0.00354202	0.54570109	0.817039727	0.0445444	0	0.46423	0.67795	0	10.21107
0.0021374	0.16227848	0.512419053	0.27020559	0	0.64534	0.30257	0	9.955622
0.00160685	0.11412057	0.439191936	0.16409454	0	0.58222	0.23225	0	8.367586
0.00216219	0.28755815	1.111837797	0.1365654	0	0.80589	1.07809	0	14.13601
0.00202578	0.10755165	0.627382375	0.11979943	0	0.4993	0.32886	0	9.594107
0.00214988	0.19554424	0.779383618	0.38989128	0	0.80035	0.33845	0	10.6758
0.00125464	0.16412342	0.766773169	0.05099207	0	0.30642	0.20221	0	5.734301
0.0021075	0.16038193	0.454512151	0.05916734	0	0.3211	0.28983	0	9.2671
0.00192401	0.13318959	0.494928448	0.13243906	0	0.4134	0.3372	0	9.062496
0.00161979	0.08965041	0.341301052	0.15496958	0	0.71071	0.51062	0	7.869591
0.00168215	0.04219169	0.152068087	0.96260247	0	0.49946	0.41288	0	8.941404

0.00158415	0.11616405	0.825761781	0.0857726	0	0.87813	0.32558	0	7.416967
0.00235712	0.13004079	0.420507675	0.08700267	0	0.27329	0.39008	0	11.62049
0.00192558	0.26324299	0.542155279	0.32459642	0	1.13432	0.68822	0	10.69682
0.0012026	0.06344384	0.152226371	0.35198756	0	0.32536	0.32179	0	6.012938
0.0017474	0.13482584	0.844712323	0.08119669	0	0.89509	0.26611	0	8.355301
0.00230178	0.22416039	0.833660406	0.16694659	0	0.91252	0.50974	0	10.77143
0.00214432	0.24229287	0.848317531	0.11459113	0	0.63569	0.28276	0	11.16847
0.00209158	0.18802841	0.545891706	0.13552557	0	0.4637	0.35605	0	8.821883
0.00177212	0.0919793	0.253807631	0.60144304	0	0.47503	0.44169	0	8.885213
0.00156553	0.3503038	0.5011522	0.10612014	0	0.69677	0.82219	0	9.354247
0.00173482	0.09709342	0.37997002	0.16550008	0	0.77155	0.57609	0	7.885363
0.0034349	0.52946427	0.792725632	0.04321442	0	0.45041	0.65778	0	9.907144
0.00248862	0.08908405	0.295443745	0.15424138	0	0.25867	0.43112	0	12.32063
0.00168109	0.14981961	0.420124331	0.2516537	0	0.59117	0.3214	0	7.991721
0.00223074	0.05791178	0.177516057	0.19432515	0	0.43471	0.31114	0	10.28284
0.00238103	0.07075394	0.288557024	0.07617236	0	0.21915	0.26864	0	11.16993
0.00130392	0.11375653	0.701682874	0.06830999	0	0.56075	0.24032	0	6.208415
0.00357126	0.2417388	0.629746901	0.21341255	0	0.8991	0.8283	0	10.61847
0.00244956	0.3019571	0.503737211	0.1256287	0	0.75867	0.50901	0	11.39594
0.0021115	0.16552422	0.483065615	0.12860833	0	0.3947	0.36755	0	8.944019
0.00416759	0.27052557	0.801602176	0.18360042	0	1.15683	0.43923	0	10.74596
0.003738	0.32243238	0.888811192	0.10324618	0	0.43474	0.2701	0	9.340212
0.00222063	0.05767649	0.176793102	0.19353259	0	0.43293	0.30987	0	10.18219
0.00191263	0.19519894	0.895320812	0.10002339	0	1.2364	0.33135	0	9.0955
0.00204829	0.07877097	0.254279023	0.09919366	0	0.24543	0.41175	0	10.16788
0.00245543	0.1623991	0.331546178	0.06889919	0	0.29148	0.22347	0	10.54595
0.0016779	0.14339982	0.338926988	0.11673785	0	1.01517	0.26209	0	7.955998
0.00194256	0.13148055	1.393407649	0.20551157	0	0.88707	0.28286	0	9.692375
0.00162324	0.12377846	0.859330366	0.05187087	0	0.69533	0.24569	0	7.513423
0.00124794	0.05400511	0.125961818	0.02179077	0	0.06794	0.126	0	5.854925
0.00132619	0.21921978	0.491825496	0.02710914	0	0.11435	0.16166	0	7.892837
0.00197738	0.20705686	0.662090031	0.10150138	0	0.84771	0.36414	0	9.340538
0.00190182	0.19495266	0.506756998	0.04610626	0	0.25055	0.25055	0	8.741215
0.00194085	0.17641642	0.703149545	0.22140617	0	0.72206	0.30534	0	9.955505
0.0023603	0.08442822	0.279986738	0.14617077	0	0.24514	0.40857	0	11.67624
0.0024242	0.3495866	0.44814276	0.1266309	0	0.54955	0.45595	0	10.54703
0.00188337	0.27373295	0.592829766	0.23191359	0	0.90056	0.56122	0	10.85211
0.00211716	0.07331945	0.232704354	0.11044601	0	0.23658	0.38313	0	9.75798
0.00203933	0.16211725	0.468655056	0.24629357	0	0.96275	0.33908	0	10.253
0.0017079	0.17486271	0.454532529	0.04135758	0	0.22473	0.22473	0	7.904374
0.00168522	0.09810242	0.381696802	0.15414869	0	0.77066	0.52211	0	8.29115
0.0021934	0.22771499	0.707657471	0.13373186	0	0.4209	0.40354	0	9.801659
0.01089749	0.23327128	0.958229751	0.15561351	0	0.86805	0.50246	0	12.68689
0.001657	0.35513425	0.598331438	0.08354954	0	0.34161	0.40895	0	8.543937

0.00189409	0.16308732	0.383807723	0.04587258	0	0.24562	0.28124	0	8.526335
0.00156748	0.39673769	0.664858703	0.13489517	0	0.80453	0.79213	0	8.769942
0.00212736	0.20978835	0.743111089	0.22089458	0	0.38082	0.23775	0	9.920529
0.00333586	0.51410512	0.769733613	0.04196268	0	0.43735	0.63869	0	9.65341
0.0015958	0.06738665	0.507585121	0.14177432	0	0.62527	0.38783	0	9.404433
0.00173531	0.08835864	0.274660689	0.23451242	0	0.62926	0.48999	0	8.483165
0.00152488	0.22187728	0.48053212	0.18798724	0	0.72996	0.4549	0	9.177417
0.00221849	0.03980784	2.261489643	0.18711735	0	0.96266	0.27473	0	9.788497
0.00167565	0.11803945	0.544124014	0.19827931	0	0.41918	0.5799	0	11.19468
0.00369138	0.2498722	0.650936194	0.22059853	0	0.92935	0.85617	0	10.78355
0.00149185	0.06246468	0.281357926	0.29126409	0	0.62982	0.56345	0	7.127305
0.0021037	0.06435688	0.295874436	0.17753479	0	0.2334	0.26883	0	10.72325
0.002425	0.06076018	0.213298696	0.16438058	0	0.18485	0.3601	0	12.41519
0.00140393	0.13391254	0.575134381	0.06687348	0	0.36052	0.27978	0	6.842093
0.00028721	0.02837414	0.066660593	0.02229014	0	0.43042	0.39903	0	2.571411
0.0018364	0.48031844	0.862625777	0.07281797	0	0.72477	0.83012	0	9.932842
0.00176896	0.16689781	0.476172796	0.26817508	0	0.65427	0.29914	0	9.609068
0.0011995	0.05078118	0.121682366	0.0209278	0	0.06406	0.12101	0	5.719033
0.00115303	0.25995457	0.361505958	0.05368343	0	0.16895	0.2968	0	6.59352
0.00204216	0.15787731	0.856466633	0.09666165	0	0.85602	0.39975	0	8.668542
0.00220674	0.30428344	0.742385147	0.07463398	0	0.42331	0.34258	0	9.253677
0.00161411	0.06764926	1.016998863	0.18464078	0	0.72513	0.60054	0	9.050232
0.00219957	0.04328297	1.68992809	0.20430435	0	1.42479	0.29801	0	10.14367
0.00163156	0.14096995	0.21565905	0.20229611	0	0.52502	0.50079	0	8.260022
0.00200593	0.21155408	0.502612162	0.04855557	0	0.25222	0.24428	0	8.678344
0.00169774	0.22573305	0.391749378	0.15921677	0	0.35751	0.34744	0	8.185862
0.00180483	0.1458793	1.050356443	0.12935408	0	0.71589	0.36062	0	8.58668
0.00137279	0.21920056	0.60350421	0.07181355	0	0.32201	0.22011	0	6.789302
0.0050878	0.37911065	0.455843132	0.1807193	0	0.99395	0.48186	0	9.648418
0.00186778	0.15494708	0.480621555	0.35240551	0	0.72464	0.26989	0	8.693485
0.00234877	0.08208155	0.238566499	0.27745994	0	0.28584	0.60421	0	12.83094
0.00174061	0.24961745	0.607132396	0.05722763	0	0.33235	0.27036	0	7.765741
0.00154323	0.14818161	0.790992191	0.13495209	0	0.43124	0.21715	0	7.933882
0.00162907	0.06882101	0.518403654	0.1447963	0	0.63859	0.39609	0	9.617337
0.00310513	0.38937903	0.461481682	0.09628756	0	0.76079	0.65935	0	8.470743
0.0019046	0.2552081	1.214637883	0.24110455	0	0.3552	0.23617	0	10.471
0.00160459	0.10403691	0.405199376	0.28321962	0	0.69588	0.43214	0	8.339366
0.00169805	0.35718592	0.532931396	0.11649292	0	0.40113	0.26519	0	8.09035
0.00343983	0.20847875	0.830641481	0.13323874	0	1.03646	0.34379	0	8.618711
0.00199873	0.19943089	0.7815721	0.19955261	0	0.74989	0.30273	0	9.597032
0.00169207	0.36920351	0.45454014	0.11799237	0	0.68152	0.6899	0	9.775196
0.00195598	0.12347165	0.390320958	0.34718154	0	0.7188	0.48888	0	9.244964
0.00186093	0.10614637	0.30023631	0.16577022	0	0.52145	0.42379	0	8.52444
0.00189928	0.10791235	0.217211597	0.06267035	0	0.15429	0.2653	0	9.329423

0.00202951	0.10680831	0.295125971	0.27494229	0	0.6348	0.50623	0	9.462437
0.00228592	0.03541426	0.103785198	0.08679494	0	0.10429	0.15644	0	12.07338
0.0022085	0.21077483	0.526896173	0.11137378	0	0.67349	0.45264	0	10.76827
0.00181748	0.248234	0.511247047	0.30609251	0	1.06965	0.64898	0	10.08701
0.00173062	0.07705892	0.271003043	0.17241976	0	0.66805	0.44194	0	7.807166
0.00281966	0.14513658	0.298437106	0.22575375	0	1.00235	0.4928	0	9.049164
0.00222515	0.04156048	1.448308693	0.21728015	0	1.50605	0.28183	0	9.646669
0.00548924	0.44991798	0.906226024	0.06549812	0	1.148	0.73877	0	9.208171
0.00205822	0.15753495	0.941648687	0.21132559	0	0.58255	0.61106	0	12.29579
0.00119645	0.0518464	0.120929779	0.02091875	0	0.06522	0.12096	0	5.668435
0.00185533	0.12852268	0.477575888	0.12779793	0	0.3989	0.32537	0	8.655674
0.00226147	0.10664279	0.357909184	0.21258738	0	0.86607	0.63109	0	10.24986
0.00150021	0.39157989	0.741280317	0.06121107	0	0.36139	0.46252	0	8.454424
0.00198193	0.15287391	0.370210885	0.04991705	0	0.355	0.28439	0	9.049812
0.00344251	0.43140622	0.511288227	0.10667294	0	0.84291	0.73053	0	9.508699
0.0010684	0.05709959	0.494984956	0.55474221	0	0.34981	0.30014	0	6.751203
0.00194827	0.20182972	0.8970027	0.06407003	0	0.66089	0.26975	0	8.636795
0.00228397	0.07510359	0.220117004	0.10820103	0	0.21473	0.33453	0	10.54556
0.00198375	0.15762276	0.455664345	0.23947034	0	0.93607	0.32968	0	9.968838
0.00181039	0.1984404	0.649795839	0.13487781	0	0.37279	0.29572	0	7.663239
0.00189949	0.20934189	0.85456122	0.2106321	0	0.90719	0.44418	0	11.04029
0.00213593	0.06344701	0.292083683	0.21755498	0	0.23907	0.41468	0	11.27409
0.00233261	0.08159247	0.237135256	0.27579627	0	0.28413	0.6006	0	12.75413
0.00151881	0.11351174	0.714784504	0.07366221	0	0.90254	0.24218	0	7.55434
0.00133684	0.2071423	0.3456188	0.02722158	0	0.20408	0.28094	0	7.254544
0.0019857	0.15179773	0.464262709	0.35947074	0	0.80777	0.3577	0	9.408675
0.00141163	0.0718025	0.604545425	0.61907148	0	0.45607	0.32638	0	7.588947
0.00130222	0.2367608	0.665781209	0.01902999	0	0.14963	0.10706	0	9.12408
0.00121312	0.21236089	0.394651924	0.06016327	0	0.13835	0.28752	0	6.845678
0.0034444	0.38231299	0.415289358	0.22320355	0	1.03076	0.78542	0	9.74082
0.00228519	0.21269594	0.432537558	0.07056668	0	0.28449	0.35899	0	9.119413
0.00185064	0.07425493	0.331784407	0.22854945	0	0.77831	0.7307	0	8.864228
0.00173402	0.10390725	0.270953373	0.25809849	0	0.37951	0.41557	0	8.297254
0.00191732	0.12979512	1.375550262	0.2028758	0	0.87571	0.27924	0	9.568216
0.00185513	0.15512376	0.427401603	0.07368783	0	0.2826	0.33399	0	8.822765
0.00120025	0.11516518	0.458594569	0.05678338	0	0.31044	0.24026	0	5.793008
0.00116032	0.27636268	0.286133842	0.10780659	0	0.31821	0.45836	0	6.418865
0.0019164	0.27671259	0.71239623	0.14300569	0	0.72685	0.30554	0	9.606794
0.00167911	0.64157802	0.937024555	0.05699652	0	0.36284	0.59253	0	9.684681
0.00206131	0.18719444	0.470428137	0.12845721	0	1.59424	0.40009	0	10.30646
0.00117487	0.16852178	0.39929223	0.02616971	0	0.12673	0.1558	0	6.076884
0.00213557	0.22418525	0.827729898	0.09728956	0	1.18874	0.41035	0	10.23437
0.00159521	0.13349213	0.385275822	0.22369798	0	0.56052	0.20052	0	7.305711
0.00175816	0.41868159	0.907293772	0.07009427	0	0.4585	0.46896	0	10.23319

0.00176623	0.42030038	0.910787404	0.07035903	0	0.46027	0.47077	0	9.859405
0.00208355	0.17048171	0.963630822	0.0986802	0	0.84297	0.40603	0	8.768655
0.00204459	0.11849881	0.988003084	0.38288624	0	0.6653	0.61272	0	12.29358
0.00184366	0.28914638	0.706189677	0.05349685	0	0.35573	0.33566	0	8.044973
0.00181675	0.33426979	0.7150396	0.07374559	0	0.31269	0.38637	0	7.611905
0	-0.00165505	-0.00593675	-0.00025131	0	0.29011	1.13199	0	2.327587
0.00197358	0.09642996	0.230211764	0.22887593	0	0.51154	0.52326	0	9.155394
0.00347169	0.20301516	0.799929229	0.09750578	0	1.17376	0.30934	0	8.489194
0.0037136	0.38607215	0.455822674	0.11504757	0	0.81604	0.69841	0	9.661381
0.00348558	0.27137347	0.491063644	0.25122409	0	0.94146	0.60005	0	9.196298
0.00208318	0.05783737	0.158821089	0.14318861	0	0.36686	0.23083	0	9.714049
0.00152625	0.0644717	0.485679868	0.13565565	0	0.59828	0.37109	0	8.998448
0.00121088	0.1330211	0.511114602	0.10458829	0	0.31799	0.25319	0	6.178644
0.00183645	0.1620411	0.915325618	0.14026045	0	0.83539	0.25425	0	8.179549
0.00206016	0.05901352	0.242896854	0.16161676	0	0.20394	0.32835	0	10.3533
0.00154299	0.10006243	1.055428467	0.17140476	0	0.66931	0.41565	0	9.145203
0.0007342	0.09314225	0.142214445	0.04614467	0	0.14542	0.14251	0	3.540534
0.00153081	0.35126285	0.764749016	0.12876808	0	0.6385	0.74593	0	8.23945
0.00322275	0.49536578	0.685176666	0.05459501	0	0.47694	0.6556	0	9.13519
0.00149786	0.33527667	0.479659576	0.10156751	0	0.66689	0.78693	0	8.430378
0.00075128	0.09256057	0.150239385	0.0463931	0	0.14473	0.13805	0	3.768784
0.00172187	0.26001102	0.647533298	0.04998008	0	0.28274	0.29296	0	7.596908
0.0013	0.32526648	0.297710426	0.09305295	0	0.21746	0.359	0	6.377075
0.00382102	0.34832149	0.515459587	0.1312696	0	0.78653	0.60124	0	11.41218
0.00181281	0.09724561	0.380016203	0.25446685	0	0.41986	0.5006	0	8.61542
0.00148462	0.40233521	0.739718376	0.03740611	0	0.41289	0.52163	0	8.226144
0.00170557	0.15159878	0.481715039	0.27389201	0	0.72385	0.31215	0	7.752868
0.00189476	0.12856759	0.342394094	0.30406533	0	0.50782	0.42912	0	9.057217
0.00147663	0.35642705	0.692894518	0.09021213	0	0.40073	0.37879	0	7.970525
0.00126792	0.18321993	0.372319355	0.0282975	0	0.1182	0.21502	0	6.618577
0.00121198	0.20515036	0.350988108	0.02813875	0	0.16193	0.24709	0	6.21067
0.00123597	0.28129139	0.316799638	0.06217108	0	0.22742	0.3717	0	6.750245
0.00171324	0.08251657	0.662021948	0.38810781	0	0.60903	0.54117	0	9.132875
0.00607142	0.49767542	1.002415239	0.07244874	0	1.26985	0.81719	0	10.1137
0.0020974	0.291462	0.665838567	0.06287817	0	0.32578	0.35068	0	8.829132
0.00146517	0.07398789	0.403852505	0.21903793	0	0.75797	0.48789	0	7.765599
0.00135791	0.17618193	0.618235521	0.07090565	0	0.29038	0.46112	0	7.611222
0.00162307	0.33609921	0.503833517	0.11468353	0	0.39527	0.25387	0	8.233657
0.00350038	0.1210509	0.850658374	0.15617303	0	1.02276	0.39697	0	9.02927
0.00164725	0.24967694	0.557548012	0.23153427	0	0.77136	0.55773	0	9.678985
0.00205994	0.21495467	0.456380967	0.04784863	0	0.35491	0.28148	0	8.681281
0.00196938	0.19133438	0.575131876	0.05538529	0	0.32376	0.33352	0	9.137964
0.00148921	0.2039665	0.611764005	0.19749676	0	0.25783	0.16649	0	6.932173
0.00128309	0.26088051	0.42749662	0.03727886	0	0.16129	0.17019	0	6.35847

0.00220125	0.32056493	0.387839511	0.11490052	0	0.70584	0.47274	0	9.321807
0.00100107	0.12138482	0.538646858	0.14665134	0	0.24599	0.35663	0	6.766508
0.00165066	0.44141598	0.690876476	0.08956018	0	0.43633	0.45431	0	8.492579
0.00187325	0.18550744	0.670308576	0.06720902	0	0.32643	0.38022	0	8.872522
0.00123156	0.14124489	0.218309124	0.01908978	0	0.13291	0.17559	0	7.06101
0.00824519	0.33444752	0.337038942	0.2041201	0	1.1943	0.72278	0	9.741808
0.00133947	0.22296144	0.689053169	0.07153619	0	0.31046	0.21494	0	7.131245
0.00310908	0.32950597	0.381961246	0.20597327	0	0.90435	0.69518	0	8.743225
0.00177096	0.17784184	0.379754872	0.13727623	0	0.24725	0.26128	0	8.594627
0.00184625	0.24771714	0.339943984	0.17890038	0	0.36585	0.43903	0	9.233615
0.00560099	0.22604144	0.724602284	0.17542801	0	0.70603	0.5286	0	9.306789
0.00177183	0.30830985	0.455118103	0.02744965	0	0.20532	0.34923	0	9.158849
0.00162814	0.10174602	0.414738781	0.28523124	0	0.71722	0.43839	0	7.916187
0.00168842	0.47963994	0.736640286	0.05551961	0	0.39111	0.6552	0	8.414881
0.00584258	0.68089965	0.968852375	0.05465618	0	1.17155	0.44704	0	9.838961
0.00539423	0.4421899	0.890664352	0.06436412	0	1.12828	0.72609	0	9.050073
0.00547649	0.59037775	0.780478579	0.04590038	0	1.00251	0.65208	0	9.110118
0.00168623	0.15690478	0.687510376	0.09952482	0	0.52691	0.28347	0	7.696197
0.00277559	0.68138318	0.534194809	0.1304533	0	0.4973	0.272	0	7.274416
0.00626805	0.62976569	1.002475491	0.06871559	0	1.13475	0.74203	0	10.42563
0.00674669	0.26061993	0.218820864	0.13922252	0	0.71764	0.46841	0	7.631932
0.00185327	0.08291035	0.198191411	0.09697202	0	0.41315	0.29012	0	8.713712
0.00133085	0.35040759	0.275270233	0.10415329	0	0.23705	0.40956	0	6.501369
0.00147298	0.0385782	0.073979097	0.03717983	0	0.08464	0.12988	0	7.036236
0.00181083	0.14968147	0.411653329	0.07192306	0	0.27945	0.32423	0	8.523204
0.0015876	0.09933963	0.418020125	0.27371662	0	0.67303	0.41829	0	7.839887
0.00168572	0.40165282	0.73556002	0.10622815	0	0.45236	0.37057	0	8.958344
0.00159504	0.22741	0.740930329	0.07251524	0	0.3094	0.2652	0	6.675367
0.00200483	0.14948543	0.408823057	0.0522494	0	0.43575	0.32285	0	8.19846
0.00183251	0.1238734	1.312758906	0.19361632	0	0.83573	0.26649	0	9.131457
0.00169803	0.24810152	0.548800717	0.08535142	0	0.35763	0.33748	0	7.53578
0.00208109	0.41843779	0.490307706	0.09455116	0	0.44449	0.57413	0	9.415456
0.00166476	0.1955805	0.649031189	0.06791553	0	0.21119	0.25408	0	8.149919
0.0020504	0.18315804	0.401037062	0.04762622	0	0.26783	0.3145	0	8.929547
0.00121734	0.27817213	0.802203484	0.04361564	0	0.18914	0.2289	0	8.128644
0.00072089	0.09279765	0.148087806	0.04456447	0	0.12901	0.10264	0	3.256804
0.00827346	0.35243262	0.346153987	0.20155176	0	1.19962	0.72173	0	9.799752
0.0017399	0.07116052	0.944906322	0.19448404	0	0.62485	0.55428	0	9.46099
0.00132814	0.11972948	0.386641734	0.23862647	0	0.36586	0.25663	0	6.111035
0.0050704	0.39240017	0.430261781	0.18337818	0	0.91019	0.47183	0	10.30062
0.0016738	0.14159341	0.341304067	0.20702099	0	0.56916	0.40536	0	7.942354
0.00151497	0.14535696	0.775919895	0.13238307	0	0.42302	0.21301	0	7.782668
0.00158069	0.09157873	0.763539696	0.29589922	0	0.51415	0.47352	0	9.500565
0.00349592	0.34607513	0.386727084	0.20963599	0	0.85075	0.56198	0	9.925696

0.00174611	0.52267547	0.655998061	0.11993384	0	0.53365	0.56301	0	9.026424
0.00226084	0.08633409	0.45466144	0.22288188	0	0.99772	0.42504	0	9.880966
0.00574962	0.67021694	0.953651227	0.05379545	0	1.15317	0.44002	0	9.68454
0.00184399	0.25716157	0.458119644	0.17659428	0	0.38475	0.37928	0	9.029537
0.00123643	0.20430953	0.458369722	0.02526257	0	0.10657	0.15067	0	7.503479
0.00167487	0.29035034	0.819902167	0.06012323	0	0.33205	0.27893	0	8.128253
0.00771397	0.29799036	0.250196611	0.15918407	0	0.82054	0.53558	0	8.726266
0.00142915	0.22925561	0.379292679	0.0248702	0	0.20776	0.27701	0	7.735293
0.00171138	0.2587055	0.635931774	0.04793676	0	0.32471	0.3061	0	7.448919
0.00198095	0.14570421	0.963405746	0.09020057	0	0.76867	0.23334	0	9.091358
0.00157753	0.2515071	0.79664141	0.04904827	0	0.32511	0.27822	0	8.441905
0.00162073	0.11089992	0.421422881	0.27499948	0	0.71711	0.43796	0	8.496842
0.00172372	0.13180934	0.28927845	0.19827352	0	0.30013	0.43826	0	8.242418
0.00338545	0.52012058	0.719414266	0.05732329	0	0.50078	0.68836	0	9.224033
2.2818E-05	0	0	0	0	0.04721	1.29947	0	1.469933
0.05207378	0.226611	0.217905761	0.18589541	0	1.00774	0.79924	0	8.019336
0.00121293	0.20941835	0.452065027	0.02477969	0	0.10828	0.14197	0	6.88393
0.00129609	0.24986387	0.494697103	0.03274236	0	0.15416	0.17086	0	6.977664
0.00161437	0.19120383	0.384312493	0.16906992	0	0.30394	0.32634	0	8.027181
0.00122269	0.34078754	0.349126346	0.0567876	0	0.2891	0.30361	0	6.479344
0.00169202	0.55681578	0.81425382	0.04257974	0	0.37197	0.58476	0	9.112618
0.001022	0.08366299	0.300244393	0.10915803	0	0.19106	0.32046	0	6.602049
0.00128881	0.17118746	0.348697424	0.02371169	0	0.15424	0.2167	0	7.282528
0.0014543	0.09680947	0.592600117	0.11452522	0	0.33268	0.3946	0	10.16155
0.00153378	0.25257664	0.665511639	0.05049851	0	0.22318	0.24748	0	7.148334
0.00199876	0.14909011	0.407746083	0.05211263	0	0.4346	0.322	0	8.081491
0.00131875	0.22532379	0.388779716	0.02555431	0	0.20124	0.25743	0	7.176687
0.00155676	0.09490253	0.095871477	0.12416043	0	0.18865	0.41887	0	4.884573
0.00135491	0.2765205	0.764127071	0.06184084	0	0.34239	0.22289	0	6.941625
0.00122224	0.4181914	0.313890377	0.05667237	0	0.29844	0.3069	0	6.251742
0.00167804	0.15701857	0.415636775	0.20740472	0	0.40388	0.27091	0	7.674869
0.00177299	0.10105147	0.285814925	0.26744871	0	0.4964	0.40344	0	8.264959
0.00144629	0.21788015	0.234169238	0.05173816	0	0.22168	0.38043	0	7.076122
0.00174477	0.56908321	0.735000852	0.08435742	0	0.732	0.80451	0	9.613464
0.00210422	0.12189762	0.307874196	0.39386228	0	0.68437	0.63029	0	10.81714
0.00113565	0.11662661	0.159105374	0.17090872	0	0.26703	0.36239	0	6.360953
0.00329075	0.50468711	0.766975429	0.07314118	0	1.01707	0.68184	0	8.216059
0.00189617	0.15561334	0.458451588	0.06240491	0	0.31545	0.27039	0	8.052961
0.00117222	0.26442695	0.367729072	0.05461424	0	0.17186	0.30191	0	6.707054
0.00138163	0.34328627	0.552146683	0.12861453	0	0.49804	0.6116	0	7.490918
0.00174314	0.38750551	0.732728967	0.08077108	0	0.69769	0.83034	0	8.532296
0.00121485	0.18943636	0.280200342	0.05661964	0	0.14815	0.29991	0	6.745239
0.0008414	0.04005932	0.381311884	0.54844977	0	0.26251	0.20667	0	4.945948
0.00172713	0.14186999	0.2015976	0.16502439	0	0.48375	0.53161	0	9.476955

0.00110662	0.05860219	0.176959509	0.09066004	0	0.15738	0.60548	0	7.188049
0.00291422	0.29984248	0.299409836	0.02955284	0	0.23921	0.40348	0	7.375639
0.00496518	0.42543165	0.743933661	0.07837003	0	1.10178	0.71869	0	8.331651
0.0016487	0.28808035	0.818473701	0.05906878	0	0.32627	0.2708	0	7.889113
0.00113453	0.12894531	0.13744922	0.14808907	0	0.26057	0.3493	0	6.231847
0.00139566	0.19805823	0.331805981	0.02565768	0	0.16709	0.22923	0	7.422095
0.00162774	0.17781854	0.433637154	0.17490541	0	1.06052	0.30737	0	7.688622
0.00099762	0.12092848	0.167755309	0.05403612	0	0.18757	0.19941	0	4.892171
0.00192754	0.19580617	0.559881911	0.12303567	0	0.37952	0.34137	0	8.401392
0.00205556	0.08075622	0.214154548	0.14919858	0	0.21971	0.27667	0	9.338667
0.00208782	0.06493028	0.369377693	0.20785526	0	0.87793	0.4276	0	9.015651
0.00150437	0.33960161	0.778050972	0.0641255	0	0.3113	0.24577	0	7.280637
0.00089111	0.11497108	0.112939402	0.02492744	0	0.16646	0.23339	0	4.389281
0.00137054	0.55979974	0.477462922	0.13527779	0	0.48161	0.2347	0	6.680381
0.0011583	0.11353989	0.389095761	0.06580093	0	0.40326	0.27381	0	5.518414
0.00146948	0.14174848	0.452241296	0.16222647	0	0.58946	0.42791	0	7.259871
0.00169826	0.15411573	0.422730855	0.1477172	0	0.67004	0.38624	0	7.916634
0.0017026	0.20123007	0.539446252	0.24587321	0	1.01725	0.31884	0	8.95578
0.00220692	0.35363	0.365429917	0.13690736	0	0.39875	0.38783	0	6.157412
0.00261655	0.21181267	0.360622368	0.16648723	0	0.73646	0.50178	0	8.405512
0.00488574	0.36400237	0.437676077	0.17351754	0	0.95434	0.46266	0	9.36985
0.00149804	0.3122017	0.694910701	0.09606206	0	0.64737	0.36377	0	8.29842
0.00142481	0.26737977	0.42182809	0.07032163	0	0.26505	0.43986	0	8.07058
0.00153996	0.18457656	0.333244565	0.13570337	0	0.32628	0.26834	0	7.413786
0.00155285	0.06074197	0.274745621	0.24611434	0	0.7096	0.44696	0	7.170832
0.00189192	0.17834899	1.307303113	0.07884874	0	0.81108	0.29034	0	8.763773
0.00130606	0.23673282	0.457412328	0.03162771	0	0.12924	0.16025	0	6.842329
0.00189814	0.23485416	0.745822061	0.11765041	0	0.46582	0.70813	0	9.233833
0.00138536	0.14991651	0.284121293	0.19719592	0	0.40047	0.40184	0	7.091687
0.00126499	0.1962978	0.132589317	0.1856653	0	0.26516	0.71667	0	7.800545
0.00123888	0.40877787	0.501888754	0.09958366	0	0.29686	0.30177	0	6.361513
0.0009212	0.09709618	0.13643386	0.05954296	0	0.2202	0.24204	0	4.538931
0.00354168	0.3755314	0.435314633	0.23474169	0	1.03067	0.79229	0	9.805882
0.00339696	0.32077898	0.484070698	0.25785139	0	0.95587	0.66524	0	9.032963
0.00129002	0.12624494	0.13728847	0.20962336	0	0.36652	0.42143	0	7.297836
0.00156902	0.20512095	0.431799815	0.15495533	0	0.33382	0.31053	0	7.602873
0.00855942	0.16359351	0.267141691	0.15583901	0	0.62511	0.55982	0	6.417649
0.0018911	0.33183341	0.703573671	0.06762664	0	0.39076	0.29167	0	8.322907
0.00126687	0.29961279	0.285017063	0.05509475	0	0.24815	0.28074	0	6.170891
0.00192868	0.34024073	0.521429621	0.27975613	0	1.03619	0.79002	0	10.12204
0.00122473	0.33323945	0.496106774	0.09842959	0	0.29344	0.29829	0	6.136072
0.00083013	0.12821662	0.165951065	0.1098755	0	0.13959	0.51482	0	5.344155
0.00124935	0.12125122	0.192336905	0.08694153	0	0.26192	0.2891	0	5.736682
0.0009452	0.18369756	0.332884532	0.12457721	0	0.13	0.32359	0	5.210044

0.00032517	0.03650553	0.058610664	0.0159551	0	0.06012	0.12314	0	1.926435
0.00124821	0.36507761	0.272459542	0.10608372	0	0.29225	0.23059	0	6.253
0.00190902	0.22148602	0.556688979	0.17911135	0	0.59107	0.74592	0	9.282693
0.00146676	0.34539751	0.35767148	0.10930131	0	0.58389	0.54177	0	7.478088
0.00097144	0.25221017	0.217667137	0.04409503	0	0.16896	0.20544	0	4.864651
0.00142732	0.26955449	0.4713103	0.02899694	0	0.13564	0.28117	0	6.956238
0.05966277	0.16826723	0.2437487	0.1908919	0	0.86888	0.87463	0	7.764709
0.0033535	0.26542715	0.55703684	0.18504971	0	0.73009	0.43639	0	8.324579
0.00120271	0.19092093	0.251957865	0.18262888	0	0.13445	0.57706	0	6.346242
0.00098454	0.11035355	0.080990516	0.05135158	0	0.14886	0.31037	0	5.174612
0.00119031	0.11186734	0.068907768	0.18981624	0	0.17438	0.62682	0	6.999984
0.00129102	0.36858334	0.447630043	0.12621471	0	0.35558	0.4157	0	6.403751
0.00142029	0.13019425	0.43134672	0.22244276	0	0.35828	0.46788	0	8.647714
0.0015108	0.14401314	0.178112795	0.05270738	0	0.29602	0.56512	0	9.477932
0.00090339	0.11086705	0.146796111	0.06015127	0	0.17065	0.13759	0	4.012716
0.00173903	0.12827394	0.976198149	0.08428098	0	0.72811	0.26164	0	8.362823
0.00211629	0.16046037	0.194490349	0.17637166	0	0.31955	0.6349	0	6.703911
0.02613947	0.18974908	0.220376322	0.16126919	0	0.71458	0.77925	0	7.060101
0.00160925	0.07451402	0.470602628	0.8091039	0	0.45055	0.41871	0	9.094607
0.00149844	0.24521221	0.44300357	0.03045261	0	0.20159	0.29645	0	7.311855
0.00170436	0.5663515	0.782121417	0.06915944	0	0.53579	0.63351	0	8.411791
0.00104083	0.14496312	0.185452685	0.12581153	0	0.24493	0.33241	0	6.155917
0.0017534	0.17884498	0.910921792	0.11523791	0	0.99301	0.25302	0	8.350288
0.00103524	0.11866832	0.39186686	0.03500775	0	0.21188	0.38895	0	5.902449
0.00119447	0.36720642	0.379131491	0.08663617	0	0.3957	0.40397	0	6.505558
0.00125215	0.25907157	0.30810125	0.06051728	0	0.24014	0.38249	0	6.946756
0.00059662	0.07676877	0.229469577	0.02767542	0	0.11633	0.19074	0	3.823048
0.00117233	0.32010902	0.27702716	0.09641854	0	0.25406	0.19258	0	5.916858
0.0013015	0.10011805	0.202101481	0.36304054	0	0.38534	0.36343	0	7.656777
0.00073689	0.0892555	0.046792869	0.06413471	0	0.12395	0.28728	0	4.395296
0.0011884	0.31433567	0.394433414	0.12809246	0	0.34628	0.18728	0	6.775127
0.0064865	0.31304496	0.262793663	0.15571059	0	0.97195	1.17224	0	9.529078
0.00123941	0.13240726	0.095361337	0.22063912	0	0.30066	0.50928	0	7.095988
0.00153648	0.26596636	0.751020959	0.055073	0	0.30416	0.2555	0	7.445522
0.0015901	0.23237237	0.884548316	0.11565446	0	0.47049	0.27537	0	7.707268
0.001195	0.38569733	0.30256181	0.05430262	0	0.26724	0.30153	0	6.005788
0.00119068	0.16592383	0.504823706	0.03460823	0	0.16376	0.1885	0	6.075087
0.00808289	0.41850042	0.348489914	0.18614646	0	1.01102	0.5599	0	10.09406
0.00112398	0.13613294	0.14860035	0.0336837	0	0.2123	0.25342	0	5.963519
0.00160894	0.31747456	0.740335339	0.18043022	0	0.3144	0.46921	0	9.662852
0.00120002	0.25506852	0.27562464	0.08928455	0	0.21362	0.36078	0	5.931652
0.00151519	0.43705922	0.643935384	0.11874803	0	0.52495	0.23098	0	7.118987
0.00153586	0.53784912	0.257077537	0.07119855	0	0.20651	0.27788	0	7.725773
0.00169702	0.13997928	0.222172719	0.27270952	0	0.44812	0.39274	0	9.075934

0.00135775	0.11027082	0.302650041	0.09440541	0	0.16802	0.48659	0	11.49891
0.00096866	0.09881294	0.144481324	0.17394947	0	0.22883	0.36097	0	5.790254
0.00359351	0.2659264	0.407421052	0.22912855	0	0.97742	0.64688	0	9.131423
0.00151347	0.0726538	0.279684023	0.12968087	0	0.45672	0.49116	0	6.837464
0.00166651	0.47633092	0.672663774	0.06429381	0	0.50861	0.65346	0	7.9958
0.00261584	0.50932321	0.218483411	0.06568268	0	0.42417	0.61944	0	7.310591
0.00343713	0.21415741	0.709395075	0.20143656	0	0.7997	0.42537	0	8.421654
0.00140789	0.14447843	0.115205127	0.2752404	0	0.34704	0.57979	0	8.195374
0.00106244	0.0870095	0.312257445	0.11352888	0	0.19871	0.33328	0	6.650498
0.0025257	0.33279375	0.373279119	0.13081708	0	0.41108	0.43107	0	6.906748
0.00103181	0.18141608	0.146289153	0.1007978	0	0.25311	0.61134	0	6.458474
0.00106925	0.06104064	0.289021268	0.11242372	0	0.30986	0.38282	0	6.451452
0.00080312	0.05467943	0.236519718	0.0465156	0	0.1938	0.28117	0	4.815288
0.00281658	1.29369321	0.582968273	0.08182833	0	0.48222	0.30801	0	7.728635
0.00143768	0.11669123	0.32026944	0.09989727	0	0.1778	0.51492	0	12.30791
0.00365729	0.49822566	0.355844027	0.09195427	0	0.91557	0.68276	0	7.101672
0.0014707	0.31886611	0.392567537	0.11234751	0	0.48451	0.3943	0	7.16292
0.01576251	0.09608303	0.561421372	0.0683647	0	0.6878	1.23785	0	7.357213
0.00284807	0.98950264	0.583414939	0.08541156	0	0.6608	0.36915	0	7.413848
0.00120371	0.06969305	0.362571192	0.14069982	0	0.31753	0.39246	0	9.591978
0.00163727	0.28324568	0.433657295	0.02374867	0	0.2186	0.34329	0	8.601683
0.00150967	0.30836589	0.641307502	0.1009458	0	0.17476	0.34205	0	8.066347
0.00534018	0.41168946	0.435576477	0.1766071	0	0.99241	0.90905	0	9.164126
0.00155672	0.1744898	0.868495418	0.15143166	0	0.38936	0.46323	0	10.82591
0.00124772	0.17205929	0.475072709	0.08334633	0	0.29135	0.18518	0	5.976956
0.00152	0.2302509	0.514171038	0.21352734	0	0.71136	0.51434	0	8.300475
0.00129831	0.35454963	0.285578577	0.09774826	0	0.26174	0.40544	0	6.52327
0.00105101	0.08067306	0.102733718	0.1077525	0	0.17361	0.35449	0	6.54163
0.00864906	0.36356331	0.312670271	0.18562355	0	1.16563	0.6406	0	8.940502
0.00163444	0.25911013	0.571049854	0.1011182	0	0.59161	0.34268	0	7.42679
0.0012025	0.0686812	0.343446841	0.1386256	0	0.303	0.39331	0	7.686193
0.0009212	0.11658782	0.140153156	0.1175308	0	0.2655	0.31278	0	5.649799
0.0027711	0.38564627	0.477925952	0.13270925	0	0.46201	0.62789	0	7.130248
0.05704776	0.16088281	0.233046931	0.1825201	0	0.83075	0.83626	0	7.424057
0.00169035	0.48854828	0.699222612	0.06868706	0	0.83688	0.86868	0	8.753876
0.0079924	0.31400581	0.846735467	0.16095702	0	0.9343	0.76958	0	10.35358
0.00121606	0.18505365	0.429439291	0.09990007	0	0.2285	0.71197	0	11.22555
0.00149512	0.13159776	0.438796948	0.21374585	0	0.37982	0.48623	0	9.752796
0.00126539	0.14667038	0.153089182	0.1395007	0	0.29915	0.49942	0	9.321552
0.0013685	0.22608702	0.398858794	0.07423083	0	0.24001	0.27527	0	6.350607
0.00156868	0.27569773	0.623356531	0.03340253	0	0.21127	0.33088	0	7.190105
0.00128141	0.12705557	0.093295219	0.08413085	0	0.24968	0.77312	0	7.67324
0.00225039	0.19012187	0.15906786	0.17403033	0	0.27829	0.77922	0	6.944509
0.00087979	0.06558438	0.289368562	0.0799639	0	0.20386	0.29708	0	5.480332

0.00145721	0.22523978	0.633308746	0.06629573	0	0.43268	0.24519	0	6.668058
0.00092896	0.10739029	0.417272913	0.14532119	0	0.23864	0.44608	0	6.346981
0.00146608	0.12756358	0.264871349	0.20820887	0	0.36394	0.38424	0	7.025572
0.00135688	0.3723667	0.39150987	0.12587407	0	0.2792	0.42015	0	6.617709
0.00964647	0.15615629	0.149598894	0.11276497	0	0.58992	0.98812	0	6.388571
0.00143658	0.14177203	0.179306482	0.21102131	0	0.40921	0.39501	0	8.028553
0.00261011	0.21583503	0.295607758	0.02021654	0	0.24542	0.28934	0	7.237151
0.00064372	0.0638157	0.164844877	0.03533043	0	0.24356	2.44578	0	5.461283
0.00151568	0.51071622	0.301010662	0.05416016	0	0.31473	0.26977	0	7.201584
0.00275912	0.69733094	0.494454662	0.10267564	0	0.84352	0.79029	0	7.839194
0.00278966	0.24309766	0.331619559	0.09326587	0	0.41694	0.59228	0	8.732989
0.00200821	0.15226789	0.184564938	0.1673769	0	0.30324	0.6025	0	6.352304
0.00166878	0.58812111	0.671617299	0.19447158	0	0.37371	0.48615	0	8.688267
0.00249531	0.37778508	0.234061543	0.07954648	0	0.48242	0.84023	0	7.32929
0.0014889	0.74260703	0.694581582	0.09924851	0	0.65781	0.79319	0	8.329913
0.00132615	0.44189716	0.365796469	0.10131398	0	0.38311	0.37524	0	6.992775
0.00171156	0.60680828	0.751507135	0.07931969	0	0.74587	0.76109	0	8.950545
0.00261074	0.57970772	0.470253635	0.1416581	0	0.41885	0.41368	0	6.899649
0.00153043	0.30538699	0.369412505	0.15990817	0	0.39694	0.64237	0	8.509976
0.00123567	0.15462508	0.107451474	0.16957897	0	0.29348	0.43778	0	6.564164
0.00954554	0.22834344	0.206285489	0.17763457	0	0.89699	1.09646	0	8.326414
0.0013704	0.32329963	0.431754333	0.1884612	0	0.63116	0.53615	0	7.193836
0.00108475	0.35994882	0.137453904	0.05228681	0	0.32388	0.34318	0	6.116574
0.00170777	0.13341687	0.487642527	0.07920581	0	0.55072	0.23988	0	6.836942
0.015758	0.2000122	0.153352077	0.09188381	0	0.82446	0.76044	0	6.596016
0.00090677	0.12830289	0.294176204	0.0192246	0	0.19808	0.4123	0	5.591505
0.00135698	0.32907575	0.483061124	0.13955371	0	0.3937	0.42864	0	7.525988
0.00101668	0.33081579	0.274216222	0.04519428	0	0.425	0.30946	0	5.970108
0.0014272	0.11570157	0.121081694	0.10134385	0	0.36563	0.50962	0	7.519951
0.00145804	0.15403481	0.656032378	0.10172431	0	0.32496	0.18775	0	6.622369
0.00103226	0.34656429	0.322220777	0.04399652	0	0.45241	0.31046	0	6.759378
0.00207061	0.32617171	0.291533813	0.08316489	0	0.30329	0.3453	0	5.746254
0.00160185	0.17879242	0.46446573	0.13762058	0	0.47825	0.2708	0	7.015581
0.00107784	0.11292541	0.079646262	0.20204948	0	0.19299	0.73569	0	6.41791
0.00610755	0.29469588	0.784641617	0.14658566	0	0.91498	1.10354	0	10.936
0.0011643	0.30749379	0.298787498	0.07441135	0	0.41287	0.50743	0	6.511464
0.00105871	0.08825943	0.130262669	0.18151598	0	0.25254	0.32275	0	6.229264
0.00176754	0.27572429	0.759091823	0.06147721	0	0.31433	0.24448	0	8.129669
0.00132635	0.06184939	0.323082774	0.19140399	0	0.33075	0.399	0	8.860793
0.0011827	0.06735431	0.361177461	0.14470182	0	0.37778	0.40702	0	6.998202
0.00127148	0.38265024	0.399687625	0.09719368	0	0.40273	0.41657	0	6.585436
0.00235154	0.23643183	0.275342316	0.10472929	0	0.4307	0.46679	0	7.223641
0.00289519	0.52972154	0.256049008	0.19053814	0	0.48707	0.67617	0	7.829241
0.00082611	0.1062878	0.083129896	0.05666702	0	0.25413	1.03367	0	5.394656

0.00111143	0.06359789	0.312780984	0.12787105	0	0.26596	0.36707	0	7.194776
0.00110526	0.06142406	0.305673801	0.1242501	0	0.26384	0.35361	0	7.238674
0.00117291	0.34416146	0.35357591	0.0953899	0	0.30635	0.18219	0	5.998466
0.00498298	1.48594826	0.496267807	0.08339	0	0.66245	0.32568	0	7.666279
0.00168635	0.7309458	0.936192884	0.06203212	0	0.39882	0.6558	0	9.267387
0.00191564	0.31880781	0.24975716	0.05926901	0	0.55342	0.53731	0	5.780095
0.00164118	0.24662202	0.446923709	0.20222074	0	0.64885	0.41793	0	10.38959
0.00746268	0.29313565	0.223608563	0.15026695	0	0.87221	0.71844	0	8.082313
0.00114539	0.1180835	0.149891676	0.08961381	0	0.24002	0.35097	0	6.439389
0.00115062	0.34037466	0.264669859	0.05563915	0	0.28821	0.43745	0	6.028553
0.0040598	1.56356652	0.503191287	0.09047854	0	0.60155	0.33226	0	8.138049
0.00117593	0.12111858	0.085704034	0.22046429	0	0.21058	0.80394	0	7.007911
0.0117635	0.14929781	0.276889077	0.06859168	0	0.61543	0.56764	0	5.686162
0.00844009	0.16132667	0.26344599	0.1536811	0	0.61645	0.55207	0	6.328758
0.0012467	0.56376721	0.365350256	0.06879793	0	0.43046	0.35769	0	7.147336
0.00108484	0.1522931	0.166948154	0.16773984	0	0.28759	0.43138	0	6.632304
0.00112236	0.1357147	0.103092798	0.04562279	0	0.25134	0.5783	0	7.473411
0.00141519	1.19491531	0.596064727	0.08893579	0	0.56142	0.36261	0	7.158317
0.00579328	0.2795434	0.744309507	0.1390549	0	0.86795	1.04682	0	9.451084
0.003152	0.15477292	0.265931489	0.1956194	0	1.20055	0.39603	0	8.731363
0.0008291	0.05005	0.211974501	0.11213601	0	0.18614	0.33455	0	6.318404
0.00118639	0.35376482	0.502486456	0.09084142	0	0.28873	0.2723	0	6.644266
0.00098845	0.15244026	0.387963575	0.03144034	0	0.24613	0.50495	0	6.116864
0.01373658	0.11383301	0.371082398	0.0482953	0	0.62107	0.87293	0	5.949166
0.0070827	0.34167915	0.909732731	0.16995055	0	1.06086	1.27948	0	11.54955
9.61E-07	0.00112856	0.005287145	0.00446665	0	1.334	0.93342	0	2.799242
0.00206258	0.24318818	0.274698656	0.07485813	0	0.36235	0.36337	0	6.505916
0.00128359	0.42094652	0.245399338	0.09059792	0	0.26151	0.23866	0	6.535013
0.00129885	0.35481118	0.358351739	0.09925153	0	0.37532	0.36761	0	6.655646
0.0009871	0.0415953	0.237621421	0.05886895	0	0.26809	0.33657	0	5.666133
0.00311811	0.70441886	0.587936804	0.07979178	0	0.54708	0.38218	0	7.292549
0.00132376	0.07579773	0.379037029	0.15299154	0	0.3344	0.43407	0	8.482697
0.00101647	0.13253248	0.149392539	0.16797375	0	0.25003	0.58341	0	6.443036
0.00140229	0.36217926	0.611351199	0.04894389	0	0.24455	0.22509	0	7.186313
0.0013566	0.14617436	0.337625537	0.19726547	0	0.57773	0.29558	0	7.095615
0.00165748	0.29921147	0.229339166	0.03124788	0	0.36052	0.28759	0	4.984101
0.00112465	0.11154457	0.089760195	0.04461172	0	0.20912	0.46718	0	7.555717
0.00112345	0.14546613	0.107322176	0.14324344	0	0.28003	0.37448	0	6.005427
0.00644624	0.1921843	0.123087353	0.14211183	0	0.86379	1.04441	0	8.182563
0.00519489	0.4004557	0.42368617	0.17178857	0	0.96533	0.88424	0	9.577869
0	0.00127824	0.00600882	0.00506161	0	1.5155	1.06042	0	3.180015
0.00769242	0.30719985	0.346495281	0.16574392	0	1.09504	0.80032	0	9.409097
0.00538154	0.41490178	0.438982745	0.17798102	0	1.00016	0.91615	0	9.235728
0.00078766	0.06520287	0.271790425	0.04578126	0	0.15233	0.26638	0	5.077741

0.00118044	0.32581919	0.218763472	0.06400267	0	0.27587	0.41264	0	6.483311
0.01101337	0.09131914	0.38979863	0.08673246	0	0.81466	0.99416	0	5.897466
0.00117225	0.07019219	0.11015697	0.13761288	0	0.29366	0.37723	0	6.722474
0.00110526	0.06135165	0.305295282	0.12410066	0	0.26351	0.35317	0	7.776973
0.00128776	0.14124644	0.141178021	0.29793065	0	0.38388	0.44893	0	7.001406
0.00053681	0.03010901	0.053133142	0.08484504	0	0.20256	0.18449	0	3.075798
0.00148763	0.10892277	0.390277235	0.22318378	0	0.35785	0.48891	0	9.392628
0.00144626	0.12551307	0.103740644	0.30311032	0	0.44356	0.46788	0	7.818697
0.00551169	0.36283487	0.449688156	0.18232848	0	1.02456	0.9385	0	9.398801
0.00116429	0.17427752	0.186572654	0.04386938	0	0.24277	0.40386	0	5.99485
0.00101858	0.05825296	0.293848097	0.11642273	0	0.24993	0.32854	0	7.338081
0.00220214	0.31146272	0.24439041	0.06182638	0	0.49061	0.80023	0	6.802598
0.00076329	0.04273438	0.322784914	0.14341505	0	0.37434	0.33359	0	4.726821
0.00118086	0.16463289	0.148744224	0.15052298	0	0.2988	0.73767	0	7.471801
0.00700141	0.29441137	0.230492036	0.14561545	0	0.68129	0.58198	0	7.624269
0.00102273	0.06210914	0.305634122	0.12328523	0	0.24903	0.33711	0	6.433571
0.00087089	0.0593016	0.256533927	0.05044883	0	0.2102	0.30496	0	6.70898
0.02258555	0.11656508	0.163772559	0.08087169	0	0.78767	1.37655	0	6.966173
0.00202403	0.20974399	0.176989334	0.15665417	0	0.32234	0.6697	0	6.583949
0.03240564	0.14220852	0.142860807	0.08292788	0	0.58724	0.74587	0	4.942981
0.00113491	0.1518468	0.159430687	0.12617973	0	0.2749	0.61937	0	7.265216
0.00213101	0.36031449	0.266930774	0.07417819	0	0.69902	0.45125	0	6.475464
0.00239219	0.48457728	0.379065255	0.04980351	0	0.39413	0.26512	0	7.42808
0.00105449	0.10302302	0.450727626	0.35342709	0	0.27523	0.3409	0	7.376849
0.01000326	0.05006745	0.438030313	0.08685054	0	1.11493	1.2715	0	7.770916
0.00112467	0.06637425	0.341516185	0.17078985	0	0.30171	0.36962	0	8.126949
0.00118658	0.15544417	0.163594309	0.12045915	0	0.28164	0.58322	0	7.667757
0.00110695	0.09842944	0.252120443	0.1141547	0	0.20019	0.58088	0	7.226431
0.00740932	0.14483331	0.22039144	0.17451836	0	0.6876	0.54505	0	6.798978
0.00127043	0.36796399	0.283467937	0.05289136	0	0.25164	0.2919	0	6.557137
0.00116406	0.11564605	0.093059691	0.04624517	0	0.21681	0.48437	0	7.784207
0.0008182	0.08089112	0.415059107	0.1693468	0	0.21542	0.25173	0	5.338224
0.00103326	0.10105568	0.121904522	0.34669584	0	0.26998	0.33441	0	6.458225
0.00108529	0.13249987	0.387948076	0.08382418	0	0.24262	0.5722	0	6.961482
0.00147923	0.37087736	0.678818357	0.10488592	0	0.32997	0.31384	0	7.910738
0.00131099	0.08180768	0.191942296	0.16954602	0	0.58273	0.4205	0	6.641838
0.00070426	0.04782722	0.143719062	0.14642159	0	0.18937	0.38221	0	5.351489
0	0.00108785	0.005127437	0.00432614	0	1.29477	0.90597	0	2.71685
0.00107114	0.17216019	0.406356912	0.08804257	0	0.19805	0.62911	0	8.229214
0.00084487	0.0596775	0.28569774	0.06059595	0	0.16915	0.30398	0	5.071277
0.00102646	0.05713426	0.284295523	0.11556485	0	0.24538	0.32888	0	7.528294
0.00101728	0.17858371	0.126165505	0.10216741	0	0.27363	0.77664	0	6.552337
0.00718956	0.25316416	0.369704917	0.19095125	0	1.06919	1.31264	0	9.700797
0.00078575	0.04101172	0.168027319	0.09413806	0	0.19233	0.34573	0	5.774197

0	0.00013979	0.000184923	0.00038818	0	0.1079	1.95824	0	2.082161
0.00104072	0.24102545	0.273786475	0.06847724	0	0.32221	0.33456	0	5.863103
0.00025581	0.02450675	0.056982806	0.0187646	0	0.44517	0.30638	0	2.280473
0.00111706	0.09936489	0.254515333	0.11523726	0	0.20209	0.5864	0	7.295094
0.00129052	0.1567627	0.543953962	0.07869884	0	0.32064	0.18778	0	5.91737
0.00732798	0.2200838	0.250377065	0.09366949	0	0.812	0.82925	0	7.372344
0.00310977	0.32403249	0.19810459	0.05303627	0	0.54008	1.05352	0	6.301544
0.00067371	0.03689646	0.152041981	0.08250339	0	0.16933	0.30133	0	5.238801
0.00082019	0.11384982	0.377459629	0.12412832	0	0.22836	0.447	0	5.395289
0.00243352	0.47317208	0.438602834	0.09546488	0	0.59967	0.33596	0	7.262969
0.00061835	0.02987745	0.141802803	0.11851366	0	0.22026	0.23861	0	4.173958
0.00219016	0.35446758	0.235541026	0.08472384	0	0.53943	0.49393	0	6.746762
0.00197944	0.33688931	0.849586603	0.03059335	0	0.46965	0.33169	0	8.096205
0.00086749	0.05146018	0.236267958	0.15160924	0	0.2462	0.38088	0	6.874992
0.00136267	0.12482349	0.413550924	0.21326635	0	0.3435	0.44857	0	8.362121
1.0031E-06	0.00103977	0.005373279	0.0117344	0	0.68953	0.73328	0	2.679464
0.0010737	0.10499043	0.126650726	0.36019748	0	0.2805	0.34744	0	7.040647
0.00901518	0.03428923	0.255292833	0.07526815	0	0.88524	1.09095	0	5.112399
0.00688537	0.23917019	0.183182579	0.0990136	0	0.75532	0.76311	0	7.335496
0.01287735	0.16340697	0.152337342	0.07011371	0	0.47015	1.0858	0	6.268448
0.00133703	0.33752761	0.586566628	0.09726651	0	0.30589	0.29132	0	7.143506
0.00351416	0.34501258	0.272208971	0.06906775	0	0.59796	1.16578	0	7.140235
0.0009355	0.1305728	0.465888167	0.14689838	0	0.25755	0.52064	0	6.485337
0.00040327	0.02446835	0.117310753	0.03786312	0	0.10741	0.15333	0	2.54075
0.00057104	0.02953607	0.197596831	0.13274396	0	0.26043	0.22088	0	3.569901
0.0010823	0.14634553	0.091300088	0.04699266	0	0.25467	0.6784	0	6.875319
0.00438717	0.21892445	0.299314052	0.13864768	0	0.67283	0.5209	0	7.853109
0.00097119	0.10532402	0.095715281	0.32669295	0	0.27824	0.39626	0	6.0572
0.01230013	0.18040543	0.164849509	0.14838454	0	0.67296	0.81587	0	6.165608
0.00123801	0.13030353	0.228726659	0.16369862	0	0.77002	0.39786	0	6.216125
0.00283477	0.3436274	0.880433221	0.03105099	0	0.48142	0.34027	0	7.095998
0.00129327	0.09170847	0.250070228	0.21092324	0	1.3865	0.41148	0	7.083576
0.00057696	0.03302383	0.117825357	0.09717378	0	0.16214	0.46816	0	4.542875
0	0.00137785	0.004383419	0.00541234	0	0.87415	0.80371	0	2.542697
0.00456675	0.42633637	0.444277429	0.12586931	0	0.96943	0.85279	0	8.912324
0.00160497	0.11917646	0.3718363	0.01140532	0	0.21768	0.24098	0	4.434193
0	0.00023722	0.000611743	0.00052061	0	0.23777	1.17994	0	1.531439
0.02220547	0.10684079	0.103168174	0.05713272	0	0.45249	0.62567	0	3.897579
0.01151015	0.07742652	0.379270872	0.11221814	0	1.13189	1.38682	0	7.27567
0.00050323	0.02659807	0.112939083	0.13622353	0	0.18271	0.22764	0	3.784134
0	0.00017039	0.00109256	0.00045356	0	0.14697	1.29719	0	1.484033
0.00232719	0.21419543	0.198346174	0.01501304	0	0.30932	0.25022	0	4.98281
0.00023264	0.00128024	0.003700348	0.00311019	0	0.7798	1.28003	0	2.445212
7.6774E-07	0	0.000550371	0.00017826	0	0.3948	0.77757	0	1.187298

0.00143412	0.10491674	0.341427147	0.01066368	0	0.18984	0.14581	0	3.905615
0.00057478	0.02678063	0.130311838	0.14040747	0	0.20854	0.21877	0	3.670881
0	0.00014669	0.000442774	0.00303246	0	0.3287	0.76579	0	1.368456
0.00084467	0.10510849	0.30772475	0.05863533	0	0.25289	0.9982	0	5.656384
0.00207375	0.16508352	0.179796511	0.01406635	0	0.29499	0.28815	0	4.93072
0	0.0001615	0.000769679	0.00710852	0	0.30798	0.63336	0	1.666298
0.00161938	0.22772908	0.20168678	0.02661234	0	0.31152	0.25226	0	5.246495
0.00296117	0.22488952	0.158859484	0.02930918	0	0.48836	0.43784	0	4.637229
0.0040994	0.19322754	0.134934152	0.02375064	0	0.57893	0.61068	0	4.527806
0.00254687	0.30298933	0.206604506	0.03525526	0	0.50447	0.46418	0	5.368111
0.00176638	0.24172388	0.259637929	0.03079781	0	0.40679	0.30006	0	5.551126
0.00191763	0.27398796	0.23905932	0.03244546	0	0.36905	0.29694	0	5.578583
0.00243692	0.23634665	0.182622396	0.03137971	0	0.50772	0.40971	0	5.315952
0.00054278	0.03246775	0.107208062	0.04483984	0	0.12591	0.37343	0	4.529939
0.00024787	0.02094928	0.059913317	0.01479818	0	0.27209	0.59899	0	2.291625
0.00059731	0.03732565	0.051085492	0.07685047	0	0.27025	0.27262	0	3.648431
0	0.001261	0.00339861	0.00360813	0	0.76857	0.73721	0	2.387123
0.00079314	0.0788281	0.315923299	0.26810367	0	0.2442	0.32586	0	6.521277
0	0.00107704	0.005385189	0.00811496	0	0.75238	0.81138	0	2.710159
0.00110712	0.11712984	0.382344016	0.01929211	0	0.22996	0.2442	0	4.902765
0.00031321	0.01040327	0.027437515	0.04867484	0	0.10634	0.36815	0	2.958912
0.00023597	0.00143292	0.004757148	0.00164106	0	1.16959	0.96067	0	2.511508
0.00112338	0.04186526	0.091996844	0.06131809	0	0.23999	0.34054	0	4.381406
0.000474	0.02915802	0.113917039	0.13516752	0	0.13263	0.23246	0	4.158697
0.00261915	0.05852222	0.104482186	0.00324623	0	0.37721	0.60502	0	3.574577
0.00028993	0.00544396	0.016139188	0.02155004	0	0.17983	0.4277	0	2.823899
0.00027983	0.00553477	0.016140372	0.02364457	0	0.46217	0.57077	0	2.740434
0.00161519	0.13005035	0.121720723	0.01458444	0	0.29196	0.24561	0	3.733167
1.0061E-06	0.00016051	0.000761509	0.00593398	0	0.36654	0.61139	0	1.664684
0.00204419	0.16470269	0.517593261	0.02041087	0	0.37256	0.26544	0	6.03919
0.00221278	0.03206908	0.109535549	0.00916703	0	0.29416	0.85154	0	3.009815
0.00222755	0.06748988	0.137625565	0.00393813	0	0.39365	0.34522	0	3.509036
0.00183762	0.05889375	0.133387472	0.00460803	0	0.35108	0.48883	0	3.478795
0.01391554	0.15612904	0.159161292	0.04585508	0	0.55936	1.15434	0	5.671042
0.00155979	0.12400451	0.114554004	0.01458064	0	0.27568	0.21808	0	3.663345
0	0.0011207	0.006607648	0.04718336	0	0.33738	0.72344	0	2.958603
0.00235425	0.02786596	0.081838181	0.00532656	0	0.31002	0.89549	0	3.949287
0.00229478	0.07931951	0.141171275	0.00406895	0	0.42271	0.34967	0	3.565112
0.00321602	0.13338657	0.333455814	0.01659076	0	0.52457	0.6036	0	4.449744
0.00018916	0.01217048	0.03893884	0.02184026	0	0.15893	0.4281	0	1.748585
0	0.00071455	0.002741103	0.00410341	0	1.06338	1.54265	0	3.077386
0	0.00166252	0.004795555	0.00606089	0	0.74442	2.00183	0	3.173259
1.0054E-06	0.0001805	0.000870481	0.00803788	0	0.3479	0.71546	0	1.882352
0.00025394	0.0214576	0.061362697	0.0151591	0	0.27869	0.61351	0	2.347147

0.00131645	0.09621811	0.313950345	0.01525769	0	0.35283	0.40795	0	3.822333
0.00040369	0.03809752	0.091853811	0.03894903	0	0.32587	0.31309	0	3.33734
0	0.00318143	0.010797212	0.01248291	0	0.49797	1.39567	0	2.506057
0.00226182	0.04737213	0.091074841	0.00280072	0	0.30825	0.52578	0	3.086038
0.01042483	0.17712157	0.460386934	0.07135622	0	0.93144	0.90713	0	6.178678
0	0.00021245	0.001055684	0.00933685	0	0.59572	0.69653	0	2.241384
0.00026208	0.02425148	0.060980823	0.02453449	0	0.28092	0.33021	0	2.306221
1.0097E-06	0.00091923	0.002854521	0.010198	0	0.24205	0.43323	0	1.672883
0	0.00014092	0.000168502	0.00065564	0	0.36329	0.46954	0	0.995349
0	0.00013233	0.000421932	0.00182145	0	0.51994	0.46857	0	1.191387
0.00029565	0.00808376	0.021257114	0.02971704	0	0.30266	0.62355	0	2.814849
1.011E-06	0.00209285	0.006836024	0.00657477	0	0.10956	0.88842	0	1.339366
0	0.00070145	0.003052516	0.00665494	0	0.44685	1.23153	0	2.296208
0	0.00162992	0.004940214	0.01380446	0	0.41256	0.52571	0	2.223098
0.00022742	0.00047086	0.001413762	0.00342825	0	0.75177	0.74176	0	2.281968
0	0.00023862	0.001164001	0.00058391	0	0.07685	0.71157	0	0.839337
0	0.00016366	0.000573358	0.00113277	0	0.35578	0.73074	0	1.336456
0.00019114	0.01472364	0.044438657	0.02028838	0	0.21803	0.43964	0	1.775992
0.0001689	0.01431141	0.049431269	0.01968042	0	0.14242	0.34382	0	1.561318

total sulfat calibration RRF

26.96737	0.866285	0.479183
21.25687	0.858339	0.524854
23.1345	0.800287	0.524032
15.33398	0.842329	0.498561
21.44323	0.858338	0.543973
23.43398	0.800287	0.533908
14.93007	0.928333	0.477548
16.10818	0.870434	0.471639
18.23815	0.901202	0.497231
16.39104	0.705146	0.65747
22.67795	0.896233	0.50173
19.4242	0.91534	0.502227
17.13886	0.861159	0.499997
18.72128	0.890704	0.506008
21.52628	0.801273	0.650228
23.45892	0.788579	0.509925
23.44988	0.788578	0.509924
23.90161	0.788582	0.509925
15.2145	0.876441	0.460529
20.18262	0.858337	0.52534
17.62435	0.890646	0.505829
17.99488	0.889936	0.671234
13.28607	0.745627	0.632191
20.37275	0.888982	0.455743
24.53854	0.896237	0.503167
16.8482	0.944943	0.458241
19.26256	0.92254	0.462717
17.96229	0.933436	0.576135
19.77658	0.925686	0.466429
16.38398	0.916615	0.481471
16.66006	0.845296	0.51994
17.06272	0.920454	0.496257
21.84015	0.800287	0.524831
21.43538	0.800287	0.533908
17.00519	0.870436	0.471639
18.19256	0.899959	0.462763
25.56966	0.88785	0.4446
20.4072	0.901225	0.481715
21.35964	0.981712	0.435299
15.54363	0.884301	0.499622
23.48748	0.788579	0.509925
17.36092	0.902489	0.578746
19.88695	0.911417	0.478534

15.29606	0.895615	0.50753
20.07544	0.885934	0.506486
25.06273	0.788579	0.509925
21.17435	0.848179	0.501202
15.16267	0.848159	0.487887
17.89911	0.785713	0.558022
9.450854	0.860896	0.751502
24.36815	0.908381	0.45658
22.41827	0.888983	0.455652
15.91499	0.852135	0.512242
18.21382	0.885954	0.535973
15.07925	0.87043	0.46704
22.1154	0.800285	0.530222
21.07094	0.887856	0.449114
21.31177	0.904732	0.493646
21.57704	0.87799	0.527186
17.27823	0.848764	0.577504
22.06589	0.91955	0.52081
21.68256	0.744184	0.532675
16.95777	0.696858	0.655076
22.84363	0.888982	0.450832
17.65102	0.909888	0.603456
18.74146	0.929247	0.548974
21.65351	0.927748	0.426509
21.91508	0.823443	0.508622
20.55371	0.877075	0.498313
0	#DIV/0!	#DIV/0!
18.05656	0.868934	0.463917
22.04363	0.92512	0.459304
19.61885	0.907339	0.44494
19.62673	0.836018	0.484246
17.98504	0.911978	0.561671
16.46255	0.916614	0.481471
17.55502	0.909892	0.581661
21.20323	0.912489	0.469533
15.9427	0.858337	0.524854
21.47178	0.811984	0.658353
20.09846	0.849285	0.477355
21.32206	0.844764	0.500693
12.43407	0.876444	0.461176
20.90303	0.887855	0.443338
19.09084	0.859558	0.474704
16.04213	0.90249	0.490558
16.68344	0.887144	0.535945

15.68892	0.887391	0.472752
23.40271	0.815993	0.496545
19.10237	0.88507	0.559974
11.943	0.912065	0.50347
17.31783	0.866286	0.482468
22.79717	0.899155	0.47249
21.30504	0.824386	0.524217
20.7422	0.940376	0.425311
17.53518	0.890208	0.506708
15.5148	0.863101	0.602924
17.17992	0.944733	0.458987
17.03251	0.909891	0.581661
24.68208	0.896234	0.499173
16.68097	0.93718	0.479092
22.11488	0.887142	0.464974
23.60946	0.841485	0.473112
12.945	0.862457	0.479599
17.73243	0.809837	0.598816
24.29192	0.908382	0.469124
20.92754	0.92775	0.42738
20.65805	0.889432	0.520183
18.53856	0.861352	0.503826
22.02469	0.887141	0.462308
18.97577	0.893551	0.479322
20.32796	0.904731	0.500192
24.35072	0.901534	0.433086
16.61756	0.929045	0.478771
19.28077	0.8309	0.502696
16.08731	0.870434	0.46704
12.37739	0.832499	0.473034
13.17464	0.732997	0.599093
19.61683	0.897149	0.476149
18.87388	0.860999	0.463138
19.23643	0.844763	0.517534
23.39117	0.896237	0.499173
24.04085	0.941106	0.438713
18.67688	0.848767	0.581045
20.98444	0.952898	0.46501
20.22782	0.910551	0.506876
16.92896	0.861002	0.466914
16.72267	0.889565	0.495803
21.74127	0.888984	0.450832
18.05247	0.745464	0.702779
16.45662	0.893043	0.519179

18.7943	0.877074	0.453666
15.53092	0.915597	0.564676
21.08819	0.873739	0.470431
16.53836	0.909888	0.583698
15.86447	0.69686	0.592798
17.2306	0.918843	0.492331
15.13876	0.848763	0.60622
22.02472	0.882155	0.444432
16.60329	0.916947	0.674245
18.32903	0.809836	0.588332
14.78239	0.924844	0.482148
20.885	0.855938	0.513443
24.06652	0.897534	0.51587
13.94599	0.863223	0.490614
2.859634	0.974605	0.89921
18.20461	0.91971	0.545622
17.53229	0.933417	0.548078
11.887	0.833935	0.481117
11.43946	0.832395	0.576384
20.2255	0.945005	0.428595
21.86801	0.936876	0.42316
16.00547	0.923229	0.565446
21.79827	0.893181	0.465343
16.18687	0.937541	0.510291
19.8937	0.908492	0.436236
16.82131	0.909611	0.486636
17.88832	0.859771	0.480016
13.6139	0.874312	0.498704
16.8216	0.886084	0.573573
18.52449	0.92206	0.469297
23.29244	0.880936	0.550863
17.25634	0.930847	0.450022
15.32279	0.801927	0.517783
16.2025	0.696859	0.593571
15.39878	0.872492	0.550092
18.93162	0.757684	0.553096
15.92096	0.8453	0.523798
16.8174	0.925861	0.48107
17.05483	0.881282	0.505353
19.81975	0.858953	0.484216
16.77687	0.877769	0.582659
19.35813	0.933917	0.477575
18.46443	0.932507	0.461668
18.85681	0.837339	0.494751

20.12883	0.922905	0.470094
22.72521	0.757479	0.531277
21.91261	0.846773	0.491419
18.01335	0.88507	0.559974
17.16728	0.936806	0.45477
13.98973	0.822368	0.646843
22.0754	0.945176	0.436987
18.14516	0.923872	0.507473
20.40958	0.940255	0.602452
11.88276	0.832493	0.47703
18.42125	0.859556	0.469874
22.42166	0.942324	0.457141
14.90465	0.824111	0.567234
19.65259	0.875165	0.460489
17.061	0.872496	0.557335
10.59149	0.929456	0.637418
19.3084	0.905935	0.447308
22.65554	0.952211	0.465474
19.6672	0.910552	0.506876
17.95661	0.932462	0.426764
18.85901	0.754506	0.585412
21.20571	0.852496	0.531654
23.15301	0.880937	0.550863
15.07244	0.848177	0.501202
13.28364	0.901033	0.546126
19.69491	0.951659	0.477721
13.96549	0.902176	0.543407
12.92972	0.681609	0.705667
12.05554	0.797239	0.567845
17.07659	0.920054	0.57042
22.61888	0.960241	0.403177
18.35709	0.924223	0.482878
17.20846	0.904555	0.482161
19.03379	0.830901	0.502696
18.39128	0.850243	0.479726
11.91669	0.888303	0.486126
11.50839	0.924379	0.557755
19.02133	0.881184	0.505054
16.66743	0.886893	0.581054
20.45766	0.942689	0.503794
11.65374	0.878998	0.521453
21.19425	0.879118	0.482884
15.82234	0.939365	0.461734
17.46644	0.798996	0.585877

17.53384	0.798999	0.562307
20.65373	0.942645	0.424555
20.26226	0.919551	0.606723
18.27737	0.928627	0.44016
18.01186	0.947048	0.422605
1.65768	105.9493	1.404124
19.56152	0.952404	0.468031
17.2197	0.894927	0.492993
18.41234	0.904821	0.524723
17.28076	0.913727	0.53217
20.65343	0.88479	0.470336
15.17962	0.696858	0.592798
12.02499	0.853509	0.513817
18.19512	0.922008	0.449546
20.43731	0.893958	0.506588
15.31327	0.8453	0.597208
7.286996	0.972656	0.48587
15.16077	0.899158	0.543472
15.98473	0.91169	0.571495
14.84946	0.863102	0.567723
7.437573	0.960434	0.506722
17.06483	0.903267	0.445179
12.89707	0.937978	0.494459
18.94284	0.911977	0.602454
17.97861	0.903459	0.479204
14.72167	0.856544	0.558778
16.91172	0.948254	0.458432
18.77799	0.907821	0.482332
14.65595	0.862345	0.543842
12.59462	0.88714	0.525508
12.01621	0.932307	0.516858
12.25125	0.91331	0.550984
16.99513	0.927073	0.537382
20.07118	0.923872	0.503892
20.79186	0.930153	0.424644
14.54801	0.841049	0.533791
13.47327	0.956329	0.564913
16.10629	0.915889	0.511208
17.36779	0.854623	0.519886
16.34366	0.858546	0.592216
20.43603	0.927321	0.424803
19.54475	0.855996	0.467541
14.76269	0.888863	0.469574
12.72447	0.888267	0.499704

21.8287	0.959764	0.427044
9.89776	0.963026	0.68364
16.37624	0.878168	0.518591
18.58607	0.847467	0.477375
12.22206	0.887713	0.577727
16.34333	0.931473	0.596072
13.29425	0.80984	0.536416
15.40938	0.926498	0.567396
17.56716	0.882516	0.489244
18.33487	0.907884	0.50361
18.5194	0.885532	0.502543
17.58256	0.925205	0.520905
16.15106	0.916741	0.490134
16.7443	0.950326	0.502552
19.30559	0.902638	0.509643
17.83363	0.923873	0.507472
18.10474	0.92998	0.50319
16.70785	0.889435	0.460634
13.765	0.865029	0.528472
20.70871	0.917424	0.503442
11.15179	0.925311	0.684369
18.40265	0.905341	0.473503
13.19688	0.972392	0.492645
14.62723	0.825779	0.481037
17.95085	0.856804	0.474808
15.758	0.910488	0.497518
16.73223	0.862979	0.535395
15.81409	0.930374	0.422115
19.84442	0.948364	0.413137
18.16495	0.830901	0.502697
16.82538	0.924548	0.447882
20.61322	0.924191	0.456768
16.53538	0.823383	0.492878
20.33503	0.908735	0.439121
12.07249	0.882517	0.67332
7.141283	0.953603	0.456053
16.40024	0.93103	0.597537
17.25145	0.945931	0.548417
13.19081	0.926831	0.46328
16.76995	0.882361	0.614231
16.58685	0.926153	0.478835
15.03075	0.801925	0.517783
15.65892	0.919551	0.606719
17.32797	0.919555	0.572814

17.29963	0.902864	0.52177
22.41749	0.956964	0.44077
19.0026	0.902637	0.509643
18.27468	0.896284	0.494101
12.27869	0.733001	0.611098
16.63592	0.876736	0.488597
12.75082	0.925311	0.684369
14.16149	0.923109	0.54622
16.94226	0.935407	0.439665
19.65388	0.87627	0.462573
15.65982	0.800666	0.53908
16.0747	0.844187	0.528585
17.08542	0.945721	0.482424
16.78348	0.911691	0.54959
1.349541	1879.657	1.08921
12.89078	0.991979	0.622099
12.05799	0.78368	0.570902
12.87378	0.811504	0.542006
16.03064	0.882662	0.50074
12.12155	0.903228	0.534531
16.78713	0.927482	0.542833
10.13038	0.937679	0.651708
12.77279	0.864978	0.57016
14.4289	0.855397	0.70425
15.21142	0.895426	0.469932
19.79216	0.948364	0.408318
13.09391	0.908037	0.548094
7.71682	0.937367	0.632977
13.45521	0.828839	0.515906
12.10688	0.94341	0.516379
16.65193	0.936125	0.4609
17.57761	0.932508	0.470198
14.33329	0.920431	0.493684
17.29865	0.93706	0.555735
20.84313	0.919551	0.518979
11.24092	0.970444	0.565875
16.30076	0.946309	0.504029
18.81462	0.926482	0.428016
11.63644	0.832395	0.576384
13.70835	0.858328	0.546449
17.25974	0.956432	0.494347
12.06848	0.848648	0.558914
8.347683	0.869191	0.592493
17.12609	0.914007	0.553364

10.95224	0.993749	0.656308
14.44328	0.963169	0.510662
16.40717	0.950459	0.507805
16.34587	0.881661	0.482636
11.25179	0.962462	0.553854
13.83641	0.914639	0.536418
16.1283	0.949412	0.476716
9.889747	0.927389	0.494671
19.1074	0.928069	0.439693
20.3823	0.913383	0.458175
20.70261	0.95201	0.435484
14.92622	0.889506	0.487775
8.822061	0.988506	0.497535
13.59638	0.92395	0.491335
11.47815	0.924928	0.480776
14.58225	0.917474	0.497857
16.82652	0.93643	0.470486
16.90347	0.89965	0.529819
10.94447	0.864329	0.562605
12.99172	0.815987	0.64699
16.15116	0.886084	0.580135
14.88051	0.815015	0.55767
14.13064	0.904757	0.57114
15.28175	0.902074	0.48514
15.39014	0.945022	0.465937
18.76734	0.870473	0.466969
12.9496	0.870323	0.528381
18.82271	0.877567	0.490569
13.74078	0.90236	0.516105
12.5299	0.963583	0.622554
12.2928	0.905222	0.517499
9.116611	0.964652	0.497875
17.56172	0.926498	0.558367
16.83609	0.92174	0.536524
12.7987	0.946398	0.570202
15.55431	0.888643	0.488795
12.11409	0.971226	0.529767
18.72865	0.925431	0.444394
12.56425	0.95382	0.491147
19.11889	0.933587	0.529426
12.15109	0.90522	0.504981
8.227311	0.957912	0.649563
12.37818	0.930617	0.463451
9.371106	0.846647	0.555969

3.221801	1.118068	0.597937
12.35701	0.921559	0.506029
18.9255	0.913226	0.490486
14.55661	0.935541	0.513725
9.619031	0.936255	0.505732
14.1632	0.934944	0.491149
14.41988	1.000261	0.538473
16.62615	0.89556	0.500692
11.92199	0.920294	0.532314
9.747944	0.932243	0.530841
11.8011	0.97387	0.593164
12.81371	0.94607	0.499758
14.08127	0.93743	0.614129
14.97719	0.852032	0.632825
8.953423	1.001942	0.448177
17.25074	0.851983	0.484781
10.49894	0.875602	0.638532
10.79736	0.907473	0.653873
15.95073	0.933621	0.570169
14.84937	0.896838	0.492402
16.88407	0.93795	0.498209
10.31076	0.906204	0.597038
17.35779	0.913501	0.481069
10.25402	0.945822	0.575623
11.83689	0.908979	0.5496
12.40553	0.914137	0.559973
5.91765	0.966489	0.646042
11.62665	0.915933	0.508905
12.91224	0.902693	0.592986
7.305919	0.932879	0.601608
11.80191	0.834614	0.574071
12.86387	0.90589	0.740763
12.29761	0.942	0.577022
15.23856	0.876739	0.488597
15.7655	0.826087	0.488869
11.84942	0.947227	0.506842
11.80609	0.853417	0.514572
16.03231	0.914385	0.629607
11.1328	0.928466	0.535671
15.98997	0.698312	0.604307
11.89272	0.9451	0.498763
15.02261	0.930194	0.473885
15.21786	0.956407	0.507678
16.81548	0.872854	0.539737

13.47137	1.011239	0.853581
9.592878	0.958225	0.603599
17.80866	0.957795	0.512752
15.00439	0.947844	0.455698
16.49295	0.967884	0.484801
12.96036	0.960543	0.564073
17.04723	0.889522	0.494019
13.96518	0.920767	0.586843
10.53564	0.937679	0.631238
12.51971	0.885678	0.55167
10.22438	0.912497	0.631674
10.59539	0.916209	0.608892
7.959304	0.989634	0.604989
13.96896	0.883078	0.553272
14.25564	1.01124	0.863371
12.09056	0.935522	0.587373
14.57904	0.929604	0.491316
9.19939	0.841712	0.79975
14.11917	0.919235	0.525091
11.91521	0.919094	0.80502
16.22526	0.918511	0.530141
14.9666	0.845488	0.538957
13.2599	0.767885	0.691116
15.41753	0.935368	0.702182
12.37134	0.887229	0.483129
15.07236	0.85855	0.550709
12.85875	0.960251	0.507302
10.41753	0.911703	0.627944
14.29573	0.896284	0.625397
16.1983	0.928991	0.458492
11.90735	0.904954	0.6455
9.108741	0.964862	0.620261
13.73546	0.914287	0.519112
13.78723	1.000268	0.538473
16.76766	0.945614	0.522069
13.20805	0.941535	0.783884
12.04692	0.935385	0.931819
14.80703	0.939147	0.65866
12.54426	0.921198	0.743093
13.59115	0.922307	0.46726
15.56237	0.925699	0.462019
12.70066	0.979981	0.604161
11.15512	0.944035	0.62254
8.72937	0.969393	0.627804

14.45301	0.908478	0.461361
9.195139	0.933782	0.690254
14.52725	0.955416	0.483613
13.45136	0.955021	0.491973
8.692703	0.934108	0.734935
14.23871	0.944382	0.563854
12.93772	0.904179	0.559384
6.371366	1.045514	0.857161
15.01886	0.958706	0.479503
13.68052	0.950704	0.573019
13.83361	0.862768	0.631288
9.963088	0.875602	0.637584
16.57041	0.822177	0.524324
12.35918	0.953317	0.593024
14.75284	0.930105	0.564631
13.14643	0.928876	0.531914
16.94191	0.944471	0.528308
12.95192	0.891499	0.532712
15.17742	0.93498	0.5607
12.25408	0.963912	0.535672
11.82379	0.935454	0.704208
13.60588	0.914958	0.52873
10.74583	1.024749	0.569204
16.92534	0.957654	0.403947
7.824564	0.794549	0.842988
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13.46243	0.832304	0.559036
10.06639	0.914637	0.593074
14.14368	0.927594	0.531683
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10.23495	0.865267	0.660421
10.26358	0.908773	0.559868
15.86929	0.970686	0.442085
10.68351	0.956499	0.600731
12.10991	0.90589	0.903062
11.55794	0.919845	0.563376
10.50194	0.880825	0.593154
17.49956	0.913048	0.464564
13.15004	0.875886	0.673822
11.71573	0.935295	0.597334
12.61163	0.922921	0.522172
11.66733	0.908542	0.619134
14.35279	0.907906	0.545486
8.187657	0.961094	0.658877

11.01308	0.895205	0.653294
10.97168	0.887028	0.65976
11.62742	0.883697	0.51589
12.35966	0.837657	0.620266
16.72553	0.895578	0.554086
9.494435	0.938446	0.608788
16.29597	0.857991	0.637556
12.33029	0.941535	0.655484
11.34554	0.942033	0.56757
11.41693	0.95573	0.528036
13.42437	0.874522	0.606215
11.65659	0.957865	0.601197
5.840776	0.794548	0.973529
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12.35889	0.886351	0.578315
10.75352	0.950591	0.616756
11.14451	0.959297	0.670591
14.02695	0.934895	0.510326
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15.62748	0.911421	0.558719
8.21621	0.956407	0.769017
11.76287	0.83504	0.564851
9.788467	1.009792	0.624905
7.168725	0.897175	0.829878
14.04067	0.905893	0.822579
2.754681	-3.35958	1.016176
10.22856	0.910907	0.636054
12.71878	0.92155	0.513808
12.87908	0.928879	0.51678
9.805647	0.890635	0.577844
15.44608	0.952769	0.472129
13.1413	0.904948	0.645499
10.05963	0.896791	0.640485
13.92252	0.88667	0.516165
13.46243	0.872132	0.527068
8.21163	0.918328	0.606956
11.1456	0.902073	0.67791
11.1322	0.965616	0.539464
10.64701	0.976334	0.768531
12.89809	0.767887	0.74258
3.12939	-3.36063	1.016177
12.73014	0.784502	0.739119
13.3635	0.767883	0.691116
7.827309	0.957375	0.648721

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7.28105	0.896039	0.809975
11.63041	0.910041	0.578008
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12.77779	0.930185	0.547935
5.327231	0.942884	0.577373
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13.68944	0.767885	0.686573
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11.15666	0.90317	0.728439
11.75482	0.923448	0.652307
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12.60956	0.920768	0.520013
11.55556	0.902074	0.673633
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9.100916	0.734885	0.810066
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10.85023	0.920817	0.621808
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13.5003	0.937428	0.619403
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1.53635	-5.43058	0.996804
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9.505037	0.936692	0.586908
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3.11499	0.8907	0.949894
2.480798	-4.17853	1.012379
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2.866487	0.879626	0.985143
2.784427	0.879281	0.9842
5.338928	0.926952	0.699235
1.671631	0.521327	0.995844
6.749982	0.945292	0.894697
3.133909	0.935774	0.960403
3.675661	1.039252	0.954668
3.640967	0.977728	0.955459
8.111992	0.961167	0.699094
5.154123	0.93745	0.71076
3.0664	0.760191	0.964846
3.893531	0.859415	1.01432
3.792681	0.902101	0.939998
5.314052	0.92105	0.837354
1.868537	0.993979	0.935805
3.04546	-1.60068	1.010483
3.15961	-0.48777	1.00432
1.892431	0.466998	0.994674
2.511421	1.010201	0.934589

4.349872	0.955996	0.878723
4.001079	1.012534	0.83411
2.51772	0.252956	0.995368
3.200676	0.994887	0.964183
7.383017	0.900439	0.836877
2.24414	0.320384	0.998772
2.599079	1.024654	0.887322
1.681421	0.839333	0.994922
1.00732	-3.82185	0.988116
1.18868	-0.9598	1.002278
2.947113	0.779614	0.955121
1.374871	0.95061	0.974176
2.29165	-0.15501	1.001989
2.23943	0.83523	0.992707
2.280128	-0.22055	1.000807
0.84124	0.425077	0.997738
1.33461	-2.41799	1.001383
1.893319	0.97507	0.938031
1.669127	0.980447	0.93541

QTR 2 AMMS					
monid	receptor_stid	receptor_state	receptor_county	f_pm25_d_DV	f_pm25_max_DV
420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972
261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628
10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689
180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076
180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823

180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207
420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656
390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775
360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497
390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237

540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967
391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936
421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689
390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227
390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557

211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864
172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173
191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425
470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915
261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421

171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528
360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175
420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273
170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191
390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449

340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878
560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172
360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755
132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526
180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269

390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807
90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923
211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909
390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505
180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438

340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315
470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039
190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552
170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299
130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426

482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398
11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086
280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537
50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412
281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123

50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677
11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975
480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419
250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201
516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933

220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984
370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426
191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321
400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563
483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772

471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235
290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645
211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995
371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988
120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673

270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755
450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814
230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562
271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813
250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487

371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605
551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662
201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965
311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291
220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065

80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961
330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988
270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257
360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519
120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755

121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935
461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935
270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401
120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117
80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342

120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586
460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165

AL	AR	CT	DE	DC	FL	GA	IL	IN
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0.128178252	0.18804968	0.01160511	0.01266715	0.00452779	0.00506344	0.06566475	0.67066031	1.06209398
0.226693935	0.08847581	0.00537077	0.01196232	0.00390358	0.01489762	0.09781505	0.25080726	0.5120517
0.445739221	0.14284303	0.00415262	0.00557856	0.00201281	0.06407862	0.12244887	0.56857354	1.26639131
0.092648028	0.13589129	0.00837989	0.00914629	0.00326337	0.00366141	0.04740342	0.48339669	0.7651585
0.245065293	0.33892192	0.00251294	0.00339988	0.00121315	0.01243247	0.1652598	0.86004912	1.13958498
0.075120686	0.10067207	0.01540896	0.01763648	0.00641041	0.00244584	0.03613293	0.39251985	0.74051229
0.6661709	0.1388487	0.00390181	0.00522992	0.00189439	0.06481435	0.20602099	0.47429835	1.21409395
4.358078227	0.0190033	0.00150733	0.00272643	0.00146934	0.07393826	0.55022735	0.23504848	0.56377377
0.36611556	0.19220057	0.00151899	0.00403429	0.00144312	0.00339312	0.132756	1.22302827	0.67223697
0.438388371	0.09940989	0.00654581	0.00780964	0.00424012	0.00962953	0.15278488	0.37907141	1.07977088
0.36784989	0.14785545	0.01097327	0.01302798	0.00532755	0.02234442	0.09950537	0.34683201	0.70326149
0.13754219	0.13096791	0.00236246	0.00319244	0.00113428	0.00654029	0.07998816	0.62639754	0.96842732
0.283030245	0.06476428	0.00971468	0.01984558	0.01899562	0.04410057	0.19358684	0.14935695	0.6302667
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0.392176687	0.12400749	0.00390999	0.00529863	0.00190808	0.01717969	0.26381921	0.45523615	3.01361596
0.376652546	0.11910241	0.00375922	0.00508995	0.0018298	0.01650663	0.25337312	0.43721083	2.8942891
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0.140967077	0.13424925	0.00241271	0.00327407	0.00116363	0.00670585	0.0820078	0.64356805	0.99379006
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#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
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0.742960608	0.17202801	0.00579213	0.00863415	0.0018752	0.01493691	0.25770011	0.52092807	1.36309495
0.222499913	0.18144422	0.00143853	0.00380135	0.00136505	0.00320341	0.12516992	1.14728437	0.63227712
0.603284495	0.11711095	0.00507927	0.00603525	0.00328828	0.01316487	0.24967828	0.39200507	1.19606656
0.186222337	0.05861877	0.01705211	0.04882134	0.00450689	0.03876905	0.17769687	0.15367051	0.29352361
0.273418057	0.30359644	0.00169057	0.00446825	0.0016358	0.00567764	0.14903938	1.11161424	0.64280341
0.385344904	0.09706478	0.01794473	0.0143508	0.00388187	0.04171383	0.14555501	0.37872617	0.94865588
0.585761137	0.06598624	0.00377045	0.00507605	0.0018371	0.02706638	0.26927406	0.28750439	1.24405878
0.222190383	0.3679779	0.00136595	0.0012526	0.00133509	0.00891131	0.1402363	1.19104692	1.9040429
0.604448964	0.06106043	0.00397202	0.00532477	0.00192407	0.02633533	0.3138397	0.32975742	1.66027589
0.452875533	0.08630155	0.00562936	0.01352701	0.00734528	0.0664282	0.25404377	0.18515604	0.80291755
0.380859453	0.08815508	0.01929299	0.09035989	0.01251127	0.04570819	0.22994374	0.20687731	0.44970475

0.440284091	0.03851529	0.00165867	0.00149365	0.00161374	0.01456178	0.22213235	0.23831954	1.16238954
0.146298826	0.05601495	0.01059539	0.06804411	0.0264749	0.01498255	0.06889227	0.22930291	0.45475914
0.802703074	0.20375109	0.00605406	0.00540564	0.00196243	0.01566024	0.25875878	0.53188167	1.30661752
0.150123704	0.05207474	0.00657335	0.03119022	0.02881198	0.00901919	0.09154138	0.26156688	0.45561451
0.245054697	0.34236291	0.00164544	0.00154196	0.00161726	0.00873604	0.16929203	0.95021714	4.81882879
0.304279125	0.19071026	0.00102573	0.0018421	0.00099601	0.01601753	0.17396242	0.62715138	0.71562839
0.199954888	0.06293491	0.01828484	0.05220885	0.00482044	0.04162116	0.19081657	0.16968122	0.3152433
0.154963837	0.05937371	0.00561919	0.0101177	0.00363873	0.00617732	0.13121272	0.34189719	0.78151727
0.433080588	0.16086843	0.00262516	0.00469098	0.00254658	0.02336453	0.22912778	0.38337248	0.7645377
0.253876114	0.0940608	0.07478355	0.07274864	0.00570822	0.02763242	0.15366106	0.21941234	0.4331044
0.335336697	0.38639319	0.00318627	0.00431926	0.00153629	0.01753087	0.23272202	1.13378556	1.43983741
0.251718954	0.17277183	0.001308	0.00232933	0.00126655	0.00294417	0.06737973	1.00165499	0.64473335
0.232448965	0.19017099	0.0014589	0.00256095	0.00138352	0.02710005	0.07030811	1.09696925	0.64985662
0.347686414	0.49696856	0.00410048	0.00371047	0.00199715	0.01346534	0.17489608	0.76790595	2.21068178
0.14996355	0.01316795	0.00025149	0.00022317	0.00024378	0.02132994	0.04188874	0.03187818	0.13059856
0.194181232	0.05781454	0.00696577	0.03818751	0.00973514	0.03065393	0.10832132	0.15899655	0.32083409
0.196232138	0.20045107	0.00360983	0.00323221	0.00117227	0.01064481	0.0678436	0.56784187	0.90517591
0.553426294	0.0363252	0.00137716	0.00495427	0.00134005	0.00604517	0.2117953	0.34141394	1.33590697
1.294307672	0.01903312	0.00224264	0.00700232	0.00217711	0.05956847	0.72111101	0.16676757	0.52535228
0.196594464	0.1061276	0.01028303	0.01211364	0.00332202	0.00957711	0.0739437	0.31087402	0.63409418
0.240125306	0.01812484	0.00189075	0.00676205	0.0036798	0.01470774	0.35802066	0.38007123	0.96344275
0.317190987	0.3867364	0.00315645	0.004274	0.00152582	0.01566327	0.21717285	1.14382115	1.37663151
0.153808583	0.06132547	0.00772184	0.0138415	0.00375249	0.0063913	0.12920539	0.28961254	0.69399467
0.30614987	0.24821076	0.00103661	0.00180396	0.0009829	0.02898254	0.138924	0.20652317	0.39662776
0.593120352	0.0434673	0.00327846	0.00438155	0.00159139	0.02538609	0.3021203	0.18413923	0.82412711
0.386456112	0.15893177	0.00170984	0.00305402	0.00165884	0.02092183	0.22667662	0.56246569	1.33652251
0.397246207	0.06392072	0.00979185	0.00880464	0.00316784	0.01438125	0.17295649	0.29991957	1.05083789
0.246839208	0.0344812	0.00180919	0.00573814	0.00176157	0.02288057	0.2759223	0.22516004	0.43953027
0.159775513	0.04143947	0.37773096	0.05883361	0.00699306	0.03409788	0.14747389	0.11171888	0.23946341
0.496770193	0.10358469	0.00749376	0.00998647	0.00362859	0.01041015	0.15543678	0.34947986	1.00428069
0.23109633	0.20373468	0.00151886	0.00402352	0.0014339	0.00333191	0.14049854	1.00813028	0.76870527
0.156749869	0.00794433	0.00083469	0.00297294	0.00161104	0.00644756	0.15470264	0.17428464	0.43283646
0.333630033	0.24861425	0.00135676	0.00245624	0.00132174	0.06230992	0.17796761	0.5359544	1.60017891
0.240706522	0.33626731	0.00161534	0.00151361	0.00158765	0.00857681	0.16622042	0.92934965	4.72521535
0.279537922	0.07777757	0.05691008	0.06388472	0.00676191	0.03049987	0.17141486	0.20912585	0.38553304
0.120097085	0.18118933	0.00939124	0.01010054	0.00364439	0.00621812	0.05540217	0.63098674	0.96113376
0.290825856	0.51768658	0.00197812	0.00182345	0.00193601	0.01064556	0.18960999	1.24948241	3.87618416
0.358459857	0.08872672	0.02539612	0.06898492	0.0123761	0.043455	0.21287669	0.19547704	0.42495184
0.17639561	0.04597395	0.00786102	0.02355817	0.00863626	0.02314954	0.1248991	0.2260565	0.42989616
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0.27407343	0.07761412	0.01526738	0.05969883	0.00538279	0.05268783	0.24945305	0.23681544	0.40738824
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0.662292001	0.04362503	0.00171908	0.00617575	0.00167201	0.02080844	0.29624649	0.43241858	1.67487531
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0.187359369	0.05848701	0.17774326	0.02195861	0.0047676	0.03521128	0.13631357	0.23612432	0.32359222
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0.198600507	0.04667432	0.01069664	0.06008702	0.20797312	0.01030706	0.10861136	0.17068818	0.33989866
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0.201280146	0.07076376	0.0172519	0.06882056	0.00414559	0.00955682	0.10252285	0.20556336	0.46877892
0.715813641	0.05574373	0.0016488	0.00148129	0.00160319	0.01994273	0.2995301	0.28203409	1.36713635
0.292090791	0.08127465	0.05916185	0.06619236	0.00702597	0.03184857	0.1789999	0.21831384	0.40239328
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0.356754893	0.06458769	0.00701288	0.00798821	0.00342123	0.01529386	0.13522289	0.27869126	0.76186585
0.288570278	0.14684789	0.00141844	0.00254224	0.00137469	0.00157981	0.0735619	1.1675763	0.72902928
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0.44202531	0.12174073	0.01608104	0.01973146	0.00585709	0.05793406	0.15820901	0.38930507	0.79863605
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0.132529238	0.13056604	0.00245425	0.00328338	0.00238039	0.00686137	0.07402827	0.61599144	0.89657214
0.591622692	0.01410179	0.00152362	0.00145475	0.00150487	0.42526513	5.95829117	0.13414509	0.44389293
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0.166406391	0.04509829	0.49329178	0.0599061	0.0063221	0.04588294	0.17617859	0.10845004	0.21109881
0.746342051	0.05660679	0.00184031	0.00328805	0.00178687	0.02238925	0.35337411	0.28713599	1.47599214
0.299164535	0.33582831	0.00309591	0.00418941	0.00149693	0.01702282	0.20958924	1.00398726	1.39002213
0.26311323	0.21935628	0.00379974	0.00515388	0.00183892	0.01048723	0.15606451	1.5182266	1.77079543
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1.087768	0.01491295	0.00300738	0.00802055	0.00194161	0.38494643	0.80484229	0.07375308	0.24502856
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0.637687338	0.17603596	0.00759516	0.00842149	0.00368542	0.01479954	0.19010183	0.49246571	1.09871376
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0.583081141	0.27963735	0.00106632	0.00289164	0.00103357	0.03458282	0.26370279	0.28474318	0.50034852
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0.206209575	0.08551907	0.05285164	0.05297292	0.00488794	0.02224423	0.11726394	0.21035691	0.41937853
0.715722564	0.0460999	0.00346037	0.00460891	0.0016774	0.03468122	0.32712355	0.21657231	0.86101299
0.483489195	0.14302126	0.00189992	0.00686218	0.00370677	0.01466044	0.18629026	0.52845797	1.94601102
0.035322972	0.08716419	0.00475506	0.00569783	0.00154498	0.00174843	0.02391495	0.41241542	0.58860764
0.76249654	0.02128402	0.00106529	0.00191994	0.00103786	0.15702434	1.79983788	0.16789292	0.33419078

0.470044005	0.10779104	0.00533066	0.00633226	0.00345434	0.0157967	0.21610063	0.35940201	1.18623795
0.545697384	0.20475462	0.00168036	0.00222025	0.00080846	0.06124522	0.23598487	0.09755555	0.21760343
0.308017159	0.09236441	0.01782014	0.07320803	0.00788858	0.0426473	0.19680289	0.28294492	0.51163495
0.3139118	0.16077622	0.00344817	0.00465783	0.00335398	0.06462435	0.16787745	0.56282996	1.85454788
1.572540826	0.01545154	0.00111641	0.00298328	0.0010832	0.04589492	0.44895663	0.21050607	0.56487879
0.204281867	0.04900644	0.39084607	0.07294097	0.00869414	0.0511585	0.16028252	0.12388069	0.24779621
0.355727436	0.04356804	0.00201065	0.00631867	0.00195546	0.02875168	0.3867721	0.24249051	0.43582525
0.236085324	0.0644413	0.28537843	0.07944093	0.00718003	0.06059431	0.19249892	0.17472813	0.35555961
0.432414288	0.03499069	0.00143826	0.00128092	0.00139543	0.01429938	0.23528516	0.48718426	1.10034471
0.3802038	0.12245437	0.00166958	0.00297445	0.00161993	0.02037956	0.22892723	0.53980547	1.3190647
0.24288233	0.07281779	0.01491982	0.04714428	0.01446699	0.02631996	0.1457165	0.20194124	0.42720669
0.674584678	0.02928715	0.00102572	0.00182472	0.00099608	0.02939965	0.32932347	0.2514395	0.66276078
0.301519719	0.52489215	0.00172859	0.00312992	0.00168405	0.01325035	0.18072137	1.04482936	1.83569777
0.166204771	0.05319853	0.00591122	0.02389855	0.02583317	0.00813512	0.09540454	0.21439778	0.4073602
0.144675258	0.04198393	0.01029865	0.04215276	0.0464392	0.00702211	0.06476026	0.23044376	0.44772007
0.223445469	0.05251524	0.01203372	0.06760809	0.23399055	0.01159129	0.12219111	0.19203463	0.3824066
0.129135511	0.03778663	0.00716594	0.03450837	0.04759477	0.00523169	0.05651938	0.19746061	0.38065218
0.381852008	0.06512642	0.00902066	0.00966373	0.00350518	0.01997846	0.16572039	0.33969428	1.08244931
0.377989715	0.04678653	0.00854603	0.02429941	0.00969528	0.05815287	0.36888954	0.24830288	0.46018248
0.13455691	0.03899722	0.00863292	0.03794171	0.1032656	0.00540353	0.05789306	0.20679	0.39631747
0.131275999	0.04416669	0.39976824	0.04055151	0.0042206	0.02673683	0.11006789	0.12395901	0.19268866
0.225519122	0.08335812	0.00136759	0.00243703	0.00131847	0.00301444	0.09558202	0.99658728	0.86722776
1.088169221	0.01181672	0.00493877	0.00877318	0.00238995	0.12201574	1.21951962	0.13363871	0.38210452
0.340045079	0.02760833	0.00152819	0.00550688	0.00148573	0.00676148	0.23350989	0.38033188	1.39414835
0.400905898	0.08710777	0.00178964	0.00480941	0.00347936	0.01774286	0.24113114	0.43071511	1.81865283
0.275534503	0.46257832	0.00155824	0.00280259	0.00151552	0.01203304	0.16080701	0.87566923	1.56376951
0.238486542	0.07913406	0.01617144	0.05450362	0.0085941	0.02740243	0.1407035	0.26940051	0.48385283
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0.227832997	0.05576414	0.00820266	0.00845006	0.00342345	0.05670693	0.22486656	0.30428631	0.62442617
0.198359214	0.01750869	0.00126716	0.00339242	0.00123004	0.02246534	0.20253546	0.28569622	0.7735306
0.225119181	0.1120264	0.00713174	0.00633708	0.00346257	0.0079297	0.09690016	0.36743813	0.88962905
0.345626952	0.05742152	0.00857487	0.0077206	0.00276773	0.01257323	0.1422919	0.26721184	1.05285933
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0.551298354	1.02427218	0.00147884	0.00131052	0.00143302	0.01818257	0.30699993	0.34420121	1.03308269
0.14311238	0.03955711	0.39971451	0.06575782	0.00698941	0.04480029	0.12411788	0.08339873	0.14676597
0.281884896	0.25966861	0.00159858	0.00287955	0.00155412	0.01416709	0.14289869	0.91227863	1.36590201
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0.152791705	0.04610914	0.60680305	0.0539022	0.00649628	0.03449066	0.14590984	0.11693435	0.22407752
0.507447291	0.14455021	0.00154837	0.00417583	0.00150497	0.00855346	0.11316784	0.40077721	0.94591608
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0.181030441	0.05415533	0.33601315	0.05300652	0.00576122	0.03940455	0.16437275	0.15700525	0.30071274

0.287722604	0.07278182	0.00893547	0.08760474	0.00869977	0.06021878	0.2057647	0.2023629	0.37545441
0.466918675	0.21650458	0.00246463	0.00218611	0.00118953	0.05210811	0.21760383	0.68127512	0.85656887
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0.412011601	0.10202469	0.00178019	0.00158625	0.00172739	0.02169071	0.2570078	0.48702545	1.35248961
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0.159138368	0.05354059	0.48458319	0.04915901	0.0051271	0.03241169	0.13342259	0.15026309	0.23357274
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0.460380265	0.05488712	0.00120639	0.00650874	0.00234657	0.03585811	0.38471616	0.31864389	0.61414946
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0.200101707	0.05976579	0.00594151	0.02526211	0.02879322	0.04255168	0.11722388	0.18104126	0.35303241
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1.315491111	0.08976188	0.01208663	0.01081809	0.00391701	0.06459026	0.75765678	0.25237585	0.88730733
1.500231762	0.0260099	0.00116675	0.00310549	0.00113174	0.06077309	0.4617701	0.21964681	0.45778795
1.115563108	0.03417619	0.00231213	0.00519371	0.00224924	0.24634879	0.43796237	0.2700867	0.69386739
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0.563320095	0.03998912	0.00243321	0.00327269	0.00118238	0.30902877	0.65838608	0.17718506	0.44371834
0.284841869	0.31392262	0.00163863	0.00147426	0.00159388	0.00901847	0.1584156	0.81078126	1.38555127
0.289083694	0.29530829	0.00152805	0.00274956	0.00148632	0.01175159	0.14923075	1.10614129	1.3619029
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1.091622206	0.03720501	0.00233341	0.00415614	0.00113195	0.09578965	1.10828312	0.16726637	0.37307223
1.174589373	0.01490129	0.00100568	0.0026837	0.00097624	0.03107639	0.37648587	0.20011442	0.44760052
0.153829842	0.07279805	0.10617615	0.0173482	0.00380829	0.02344705	0.08913968	0.21750171	0.26224805
0.353110366	0.04413867	0.00595223	0.01494257	0.00578516	0.04990691	0.29639389	0.25240153	0.49880605
1.260830663	0.02046108	0.0011267	0.0030064	0.00109198	0.05284592	0.55863183	0.19880207	0.54392633
0.52827773	0.11284828	0.00116694	0.00103473	0.00113095	0.03240308	0.38379423	0.28248581	0.80978548
0.53388586	0.07887105	0.00291772	0.00516075	0.00188067	0.10747454	0.14439187	0.31384178	0.48417617
0.807185164	0.0530276	0.00541164	0.00480928	0.00209711	0.113184	0.83465635	0.17265549	0.37327282
0.374378565	0.23986253	0.0008754	0.00154512	0.0008474	0.02933767	0.23311251	0.19571848	0.41527444
0.232643597	0.15546086	0.00069409	0.00123258	0.00067291	0.01856646	0.10146119	0.15552588	0.32344457
0.616158506	0.6764023	0.00123755	0.00109372	0.0011984	0.02489825	0.30256769	0.21583828	0.74231601
0.07568575	0.08388481	0.01571653	0.01561136	0.00570851	0.00219243	0.03172288	0.31959631	0.61150037
1.617198915	0.03912662	0.00103508	0.00280612	0.00100876	0.67216566	0.33916758	0.30501319	0.66884288
0.141421937	0.07048542	0.22455281	0.02733904	0.00387757	0.01616797	0.07216027	0.24792653	0.3102461
0.204393675	0.14589233	0.001036	0.00279235	0.00100492	0.00697082	0.10322907	0.42749544	0.65939473
0.990970954	0.02789118	0.00138719	0.00375117	0.00134994	0.04120704	0.5629716	0.29851392	0.90640431
0.13075456	0.03361614	0.00595179	0.02674204	0.04727375	0.00655949	0.07185286	0.14819583	0.2698946
0.412989747	0.29969716	0.00080508	0.00213417	0.00077877	0.02808966	0.27059704	0.12151341	0.26023562
0.046443818	0.03365304	0.01710251	0.02629922	0.01305604	0.01212589	0.04784727	0.22455923	0.41692666
0.734299228	0.26624702	0.00096617	0.00169739	0.00093419	0.0553926	0.36202983	0.13381917	0.42816294
0.834210601	0.0329828	0.00651267	0.00824512	0.00253538	0.29255032	1.17779041	0.09770685	0.19960815
1.04814406	0.01579132	0.00186065	0.00578895	0.00180543	0.05048106	0.54796598	0.13373199	0.42616276
0.745110646	0.46409255	0.00194228	0.00255817	0.00093444	0.02935194	0.38292984	0.13952094	0.45141716
0.521275188	0.04431333	0.00679542	0.0112188	0.00330591	0.19179085	0.45000267	0.15246027	0.3522381
0.301991057	0.14731535	0.00072449	0.00127797	0.00070121	0.02909391	0.192186	0.12387302	0.26422612
0.798775331	0.0410881	0.00197225	0.0034781	0.00190876	0.07723592	0.39641846	0.17933443	0.43978008
0.526094073	0.04892585	0.00818155	0.01107657	0.00398309	0.21978977	0.70953447	0.16591785	0.35886735
0.059351598	0.03211414	0.14134213	0.02732451	0.00305111	0.01036499	0.04309307	0.1199586	0.15903526
0.424932948	0.32908113	0.00089555	0.00236098	0.0008668	0.02694138	0.26565069	0.16173137	0.33152723
1.770342494	0.01908561	0.00114478	0.00209816	0.00111999	0.13053214	1.46005806	0.21461332	0.46439269
0.505165369	0.05643836	0.00509536	0.00692323	0.00248684	0.0739525	0.36991804	0.29685059	0.57397937
0.521376921	0.01838915	0.00432476	0.00481227	0.00209822	0.34544999	0.66975246	0.10018911	0.24964823
0.80096805	0.01533562	0.00120672	0.00430647	0.00234382	0.0266463	0.74127932	0.29513496	0.58186068
0.209235277	0.04884838	0.75505917	0.05368493	0.00636086	0.04225939	0.17978033	0.13479254	0.27237776
0.546778438	1.04551413	0.00120741	0.00213262	0.001169	0.02564415	0.40589717	0.23598332	0.67288514
0.893265378	0.07517745	0.00967999	0.01146276	0.00270227	0.05371813	0.64733233	0.27400669	0.43648692
0.982150806	0.01391422	0.00237415	0.00420967	0.00115041	0.11107224	1.27354815	0.14437072	0.40928908
0.652056133	0.06562429	0.01209701	0.02043705	0.00652434	0.10109765	0.46845571	0.1952408	0.41066115
0.650862219	0.05969464	0.00825342	0.01114464	0.00401907	0.27261653	0.55904475	0.23020924	0.62436737
0.509833712	0.63957942	0.00109683	0.0019247	0.00106143	0.02933413	0.25577547	0.26485716	0.52190171

0.701938626	0.0435475	0.00307387	0.00421477	0.00150099	0.17527502	0.25631814	0.39552895	0.69351828
0.417976399	0.24743265	0.00095656	0.00250361	0.00092255	0.0412081	0.17588751	0.12012381	0.25952627
0.233874537	0.06886952	0.04562305	0.07363392	0.00673223	0.04720998	0.21367198	0.19975039	0.40572661
0.592445301	0.45597519	0.00309879	0.00274103	0.0015007	0.02943827	0.30891632	0.73854695	1.03354843
0.169612082	0.04041429	0.00597157	0.02887812	0.04051874	0.00788122	0.09062477	0.13687442	0.29943149
0.093861248	0.0143918	0.00480535	0.00576048	0.00155472	0.14096216	0.14925417	0.09275939	0.25014478
0.368055954	0.05451437	0.00397047	0.01312604	0.00514594	0.05230986	0.34182143	0.32914872	0.63186236
0.482188463	0.44275403	0.00103654	0.00272701	0.00100262	0.03007889	0.22045724	0.21189975	0.4540951
0.428925336	0.22680326	0.00113656	0.00201432	0.00110255	0.03400708	0.14188732	0.269175	0.47987732
0.478312605	0.04608452	0.00659513	0.01185254	0.00385173	0.25579928	0.62186048	0.15408164	0.3357996
0.921686352	0.05428889	0.00183926	0.00331693	0.00089074	0.2799266	0.24102749	0.41953782	0.66907151
0.279718627	0.12335144	0.00086529	0.0015112	0.00081837	0.01535191	0.07737191	0.24040693	0.36567097
0.272821955	0.07503469	0.00123702	0.00166842	0.00059543	0.03322324	0.11262447	0.11321043	0.23830003
0.33980571	0.05810487	0.01268542	0.02542708	0.00548835	0.09601769	0.20200825	0.2433074	0.66571012
0.655708991	0.04067948	0.00287296	0.00393929	0.00140289	0.16373043	0.2846138	0.3694788	0.64784355
0.116414845	0.03470233	0.02537238	0.15850343	0.01979148	0.00535608	0.05529892	0.19411937	0.37181771
0.320514358	0.07153392	0.02434785	0.05599686	0.0078918	0.05953538	0.26032713	0.19859941	0.36026419
0.039909303	0.03838731	0.12708086	0.01338628	0.00160414	0.00181247	0.01658609	0.16156874	0.16515208
0.304018459	0.05925797	0.01073057	0.02320308	0.00654769	0.08042473	0.18276515	0.28007725	0.73708344
0.119809636	0.03182098	0.00034198	0.00059957	0.00033171	0.00679276	0.03302206	0.08166282	0.31715438
0.850667213	0.038453	0.00097553	0.0026198	0.00094687	0.20169695	0.35264743	0.2038789	0.54406269
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0.088678376	0.03374617	0.18399887	0.0387546	0.00499449	0.02040018	0.09495701	0.11391423	0.17822944
0.288258175	0.15614035	0.00056371	0.00146172	0.00052504	0.01622756	0.11641796	0.08575816	0.22180111
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0.194327009	0.08059205	0.04976524	0.04982833	0.00460442	0.02095955	0.1104901	0.19820288	0.3951313
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0.868481142	0.02049168	0.00202191	0.00359907	0.00196016	0.07212476	0.32884253	0.18475213	0.52554266
0.151150058	0.04123871	0.40940633	0.06063735	0.00647594	0.03316355	0.14810016	0.10731966	0.21980583
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0.140231339	0.03746018	0.0004123	0.00073717	0.0004004	0.00772183	0.03917133	0.10218495	0.1724999
0.423423601	0.16407731	0.0013081	0.00172183	0.00062331	0.04898946	0.25306573	0.07877349	0.17327264
0.570106022	0.03144988	0.00990303	0.01222492	0.00360689	0.10367228	0.53252997	0.15114118	0.35155347
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0.100712704	0.04937276	0.12664025	0.03748297	0.00457497	0.01193357	0.05405628	0.15283033	0.55503609
0.832495696	0.04486236	0.00266304	0.00361769	0.00129283	0.15564727	0.24463436	0.34651406	1.11959049
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0.449738769	0.0266005	0.00172923	0.003116	0.00084069	3.76468817	0.22652097	0.11515007	0.28754829
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0.622324123	0.02006312	0.00105583	0.00188083	0.00102563	0.03135863	0.44604853	0.25537562	0.57042751
0.509613484	0.17073916	0.00093557	0.00248875	0.00090671	0.0720206	0.07300357	0.43683456	0.30016157
0.958203451	0.0599185	0.00503626	0.00794066	0.00245496	0.18555238	0.29601958	0.60908869	0.92993943
0.427681928	0.12134084	0.00137837	0.00184195	0.00066263	0.04804756	0.15831561	0.12779868	0.27850488

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0.191738982	0.08902722	0.00084579	0.00073553	0.00081577	0.01336845	0.00688414	0.11534764	0.09425198
0.38395153	0.05516221	0.00579094	0.00831765	0.00338226	0.21182708	0.36838612	0.18383185	0.51764878
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1.613530953	0.03903128	0.00102503	0.00279701	0.00099897	0.65792013	0.33839936	0.30432093	0.66732931
0.720871093	0.05872493	0.0059201	0.00855172	0.00230955	0.07529904	0.55704761	0.33726333	0.45532662
0.098681849	0.0140213	0.00464737	0.00618934	0.00150183	0.16684593	0.16280017	0.06568663	0.16688884
0.116386461	0.04431465	0.02921792	0.221651	0.01845079	0.00614568	0.05381763	0.19520072	0.38593312
0.609837624	0.03469893	0.00660115	0.00600814	0.00257784	0.31213808	1.099574	0.09274907	0.19592212
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0.774975198	0.0423381	0.01158452	0.01380808	0.00500004	0.09967401	0.58873627	0.15693458	0.2771279
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0.091120934	0.05792214	0.07574946	0.01986558	0.00213409	0.01082566	0.05201691	0.25612741	0.29211487
0.25835014	0.10186271	0.04144105	0.0454702	0.00715578	0.05708947	0.23854701	0.32543418	0.5345505
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0.409608634	0.07551701	0.00302655	0.0040717	0.00147527	0.02009097	0.19099596	0.33799596	0.89508503
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0.822291222	0.02787641	0.00546115	0.00682255	0.00211793	0.10301849	0.67734418	0.17688709	0.36588542
0.546385362	0.0490205	0.00422103	0.00636767	0.00274134	0.69890249	1.57238044	0.18813919	0.54242749
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0.495255705	0.05255115	0.00441051	0.00536621	0.00143147	0.71688332	1.83179006	0.19538739	0.58966595
0.666077465	0.04026524	0.00612351	0.0098813	0.00357577	0.27331671	0.76074962	0.13383132	0.27818188
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0.174062025	0.06934302	0.08850895	0.01762683	0.00338605	0.01939104	0.09918002	0.19902028	0.26708161
0.302096605	0.03124254	0.00794266	0.00917029	0.00220895	0.30153885	0.37171929	0.14821516	0.45075314
0.509593482	0.16066297	0.00183126	0.00243413	0.00088644	0.07485774	0.21871762	0.11764426	0.3141413
0.668237046	0.14906886	0.00311779	0.00462592	0.00100528	0.08987055	0.15807522	0.41183278	0.3522301
0.214452836	0.04005028	0.01349533	0.03117167	0.00597587	0.06566306	0.11158396	0.25199304	0.63133184
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0.456127863	0.0250572	0.00205157	0.00549408	0.00199162	0.10453255	0.56472518	0.16966781	0.36515315
0.50166533	0.06477516	0.00071481	0.0018608	0.00068987	0.15694219	0.29918974	0.07447584	0.21874246
0.021460644	0.02251724	0.08388204	0.00990743	0.00084545	0.00098806	0.00867407	0.07902479	0.19697377
0.065283964	0.03532555	0.15545624	0.03005696	0.00336404	0.01140481	0.04739513	0.13193996	0.36581961
0.006634258	0.00059921	0.00028719	0.00053112	0.00036538	8.589E-05	0.01417052	0.03597706	0.01266812
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0.224486293	0.10134701	0.00907255	0.01076561	0.00293664	0.04534783	0.10159042	0.28303988	0.57120974
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0.190742488	0.04753937	0.00251467	0.00559734	0.00183385	0.43901374	0.23628847	0.10117822	0.45753612
0.012457245	0.01803064	0.00023158	0.00020157	0.00022341	0.00185467	0.00484433	0.02650798	0.07397854
0.015560289	0.02166781	0.00036229	0.00031869	0.00035042	0.0020191	0.00531281	0.02608212	0.07300306
0.232547762	0.05065365	0.00177896	0.00321662	0.001155	2.14862535	0.17862145	0.06492697	0.13002184
0.045450476	0.03458908	0.00035206	0.00031291	0	0.00232581	0.00705923	0.03359455	0.07566922
0.084814012	0.02724187	0.00321754	0.00518162	0.00187599	1.58411242	0.17905523	0.08277097	0.40537665
0.141082483	0.06000043	0.0028568	0.00633322	0.00207728	0.52053555	0.24866531	0.10399969	0.459076
0.182178016	0.03803925	0.00275584	0.00612669	0.00200042	0.51832746	0.35047355	0.10820291	0.50410157
0.155723233	0.02991739	0.00229322	0.0046024	0.00166852	0.84734	0.19426179	0.07880075	0.36274559
0.085981164	0.05850355	0.1095568	0.01556434	0.00269797	0.00415145	0.03580659	0.19605741	0.19748711
0.277792036	0.05307523	0.00195999	0.00353966	0.00127215	2.3872892	0.21176792	0.06871945	0.13983978
0.024135229	0.02010367	0.00027095	0.00025289	0.00026603	0.00170236	0.00873286	0.03150832	0.05825115
0.206286733	0.04896819	0.00311816	0.00624241	0.0022729	1.20857624	0.3367326	0.11279965	0.49803253
0.227655948	0.03752137	0.00252461	0.00560267	0.00183422	0.42412819	0.25181282	0.09472048	0.42859424
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0.039005652	0.01722255	0.00023122	0.00020796	0	0.0026011	0.00440597	0.02872299	0.06085838
0.000455119	-0.00057219	0	0	0	-0.00023805	0.00176817	0.03483038	0.00520916
0.003862575	0.00110201	0.00023542	0.00032269	0.00025918	0.00014162	0.00519606	0.02796916	0.01446086
0.056032381	0.05541226	0	0.00029992	0	0.00347365	0.00847043	0.02765688	0.0710689
0.074652851	0.02219762	0.00028139	0.00025495	0	0.00965601	0.01199176	0.04161666	0.10065708

0.142616975	0.05741734	0.00241222	0.00545816	0.00176167	0.62710517	0.20488147	0.08648687	0.34430367
0.150497703	0.07564134	0.00053358	0.00046547	0.00051503	0.03215439	0.05654398	0.06730463	0.2920162
0.003237684	0.00697427	0	0	0	0.00039345	0.00143294	0.01124983	0.01801075
0.125097391	0.04053776	0.00214245	0.00429408	0.00156089	0.55450827	0.19925973	0.08494406	0.36459941
0.031097689	0.01264573	0.06025616	0.01938022	0.00110427	0.00188613	0.01753171	0.0748621	0.21505186
0.091773588	0.05204937	0.00049264	0.00044243	0.00047897	0.00594031	0.01851753	0.05877709	0.12638608
0.170927603	0.02070784	0.00025151	0.00022281	0.0002437	0.02389447	0.04061787	0.04185944	0.1737421
0.024696503	0.01146301	0.00024143	0.00021429	0.00023404	0.00158965	0.0035977	0.02051891	0.04987489
0.004611809	0.00907955	0	0	0	0.00013789	0.00187507	0.02188956	0.00610832
0.001902974	0.00463604	0	0	0	8.6855E-05	0.00094525	0.01732101	0.00264217
0.086678964	0.05710864	0.00049316	0.00043309	0.0004768	0.00942034	0.01974165	0.07161628	0.18882436
0.003541495	0.00409948	0	0	0	0.00017371	0.00010945	0.00732908	0.00786542
0.007547778	0.00120556	0.00021163	0.00037102	0.00025502	0.00010315	0.01360855	0.02853825	0.00975108
0.018358214	0.01186734	0.00026166	0.00022997	0.00025304	0.00147876	0.00330776	0.0164993	0.04699952
0.000624286	-9.1058E-05	0	0	0	0	0.00242849	0	0
0.000230192	0.00026909	0	0	0	9.0234E-05	4.2268E-05	0.00028309	0.00037865
0.003925762	0.00031787	0	0	0	-3.8319E-05	0.00267855	0.01094426	0.00386845
0.052810119	0.02173902	0.00028153	0.00025239	0.0002736	0.00471737	0.00724164	0.03504992	0.08550485
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IA	KS	KY	LA	ME	MD	MA	MI	MN
0.09378263	0.04453238	0.57780181	0.01795927	0.00208476	0.20839745	0.01352266	0.28936518	0.02016346
0.11217723	0.0557572	0.71199889	0.23455945	0.00176654	0.10617262	0.00710987	2.80102448	0.03284672
0.11884203	0.05533383	0.52756109	0.07884069	0.00585289	0.25110112	0.02264353	0.40527355	0.03991402
0.0617987	0.03195592	0.3181937	0.08755783	0.00216878	0.1997551	0.00887251	0.13783192	0.01905
0.10761479	0.05349217	0.68280209	0.22498919	0.00169252	0.10185892	0.0068234	2.6863131	0.03151218
0.08584853	0.03997311	0.38010088	0.05698154	0.00422931	0.19792381	0.01636254	0.29204366	0.02877547
0.04016386	0.03486741	0.4457279	0.07796282	0.00104755	0.05831202	0.0027418	0.15970966	0.01146033
0.10553737	0.03929819	0.40179162	0.02507329	0.00709477	0.40410161	0.04124763	0.34703181	0.04017623
0.09184489	0.05035614	0.69056224	0.24436686	0.00158478	0.11233164	0.00643128	1.0362242	0.0296826
0.02466874	0.0134336	0.48084284	0.01393215	0.00251401	0.04858655	0.00163697	0.21432264	0.00608045
0.18177599	0.02407312	0.34379245	0.01100112	0.00119279	0.05725062	0.00164475	0.38585659	0.01903188
0.08381689	0.03894382	0.53716478	0.23214897	0.00178111	0.16889098	0.00717922	1.1972498	0.03534597
0.07718702	0.0435484	0.41910612	0.1477755	0.00738089	0.30485336	0.03225336	0.19871919	0.0259777
0.03148866	0.02349989	0.32235248	0.18580102	0.00098449	0.05640547	0.00518756	0.32725389	0.02816515
0.03255183	0.01667901	0.44329504	0.04178122	0.0225198	1.30175891	0.04839636	0.13845383	0.01841794
0.05356881	0.03883972	1.27028472	0.04673256	0.00170681	0.12884464	0.00449372	0.16096517	0.01459331
0.05090538	0.0369137	1.20710881	0.04440992	0.00162355	0.12244053	0.00426355	0.15294874	0.01387077
0.04889086	0.03544673	1.15931186	0.04264722	0.00155694	0.11758979	0.00409915	0.14690161	0.01332123
0.06847973	0.03306263	0.35929532	0.09369531	0.00256121	0.23305312	0.0087476	0.23680222	0.01448392
0.10103353	0.05022936	0.64117771	0.21124885	0.00159396	0.09562794	0.00640446	2.52248497	0.02958656
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0.03570764	0.01475691	1.18542992	0.13650143	0.00151407	0.07368142	0.00408539	0.24592335	0.01130248
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0.06739796	0.02686076	0.27483454	0.00889685	0.00301458	0.17199965	0.01348285	0.2177471	0.01745279
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0.0951528	0.04738365	0.55211147	0.19563319	0.00144011	0.11519491	0.00583048	0.91503552	0.0233086

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0.04955914	0.03593572	1.17514292	0.04322787	0.00157359	0.11920036	0.00415395	0.14890074	0.01350441
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0.04860264	0.02219203	0.48999999	0.06114234	0.0010681	0.05343571	0.00266642	0.17462473	0.02368141
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0.11742354	0.01622672	0.40424463	0.02144736	0.00739646	3.04143612	0.01943048	0.27345528	0.03309003
0.4865571	0.06969244	0.32881945	0.19450125	0.00092677	0.04562986	0.00258756	0.21636234	0.01057855
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0.03200392	0.0104369	1.04721039	0.1812137	0.00429276	0.12250896	0.00768647	0.28528535	0.00888488
0.0883625	0.04366562	0.65370271	0.12821441	0.00336289	0.18920633	0.01157686	0.31276673	0.03615357
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0.057536	0.02014002	0.17185451	0.05359395	0.01269707	0.25175548	0.06988137	0.237202	0.02566825
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0.04356555	0.01686351	1.07090997	0.11893141	0.00310113	0.11245075	0.00413794	0.30188378	0.01338295
0.03414278	0.01482808	1.41501757	0.05016577	0.00153574	0.07421986	0.002046	0.27134297	0.00946089
0.04250814	0.02525986	0.35443093	0.05285849	0.00073852	0.02580022	0.00190047	0.12805547	0.01749178
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0.08432026	0.04419089	0.5029442	0.16879499	0.00133396	0.05769945	0.00543255	0.3541587	0.01797413
0.04378721	0.02079908	0.26978037	0.00838444	0.00097513	0.09730182	0.00631931	0.13510699	0.00941572
0.09307085	0.03956341	0.43652787	0.05296074	0.00465674	0.26012526	0.01663529	0.4317559	0.03077501
0.10457457	0.04296144	0.28632987	0.05565878	0.0036233	0.19145348	0.01643246	0.32031029	0.03325942
0.03716116	0.01570465	1.09592983	0.04002538	0.00143104	0.06970053	0.00193296	0.27066278	0.01069174
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0.10241366	0.03517713	0.2252027	0.0764246	0.0106691	0.3583551	0.04215039	0.37129761	0.03750235
0.04836669	0.03769294	0.48735258	0.10773416	0.0011788	0.07439642	0.0032222	0.20678992	0.01484734
0.14309553	0.01976945	0.22035355	0.02614322	0.0090141	3.70641986	0.02368029	0.33326267	0.04032469
0.23793265	0.02582792	0.34341666	0.01105452	0.00120005	0.05751565	0.00165632	0.38715727	0.01900232
0.10843557	0.03812625	0.40039661	0.23698859	0.00196486	0.06352051	0.00657916	0.74897422	0.02189335
0.0333557	0.010505	0.9121704	0.03136781	0.00121091	0.06689297	0.00500858	0.11833428	0.01074413
0.04865826	0.03232623	1.01612835	0.04495907	0.00146736	0.11435168	0.00398161	0.10369875	0.01284569
0.07357882	0.03546137	0.39630311	0.09850915	0.00277309	0.15105006	0.01307051	0.21054164	0.02241681
0.06145089	0.02776424	0.25409896	0.07848597	0.01152995	0.35184121	0.06358708	0.20645466	0.03144056
0.052993	0.0207446	1.07416115	0.11195787	0.00155503	0.10418381	0.00416428	0.28776572	0.01540275
0.03791651	0.01489797	1.27261173	0.13181023	0.0015444	0.07812412	0.00410254	0.25245176	0.01140577
0.12855281	0.043132	0.34858009	0.01979111	0.00423507	0.27715137	0.0210274	0.37000063	0.05641438
0.10064351	0.05017245	0.45806845	0.0450083	0.00429723	0.25733289	0.02478463	0.36855091	0.03000984
0.02503049	0.01041521	0.9038424	0.03108639	0.00120283	0.06628746	0.00496418	0.11726317	0.01065231
0.0837304	0.03669157	0.3664636	0.06450951	0.00404037	0.28122698	0.02601935	0.2338715	0.0273008
0.10328186	0.01677502	0.39769002	0.07531335	0.00134114	0.0795849	0.00182717	0.40161473	0.01847789
0.06433146	0.01998245	1.58804327	0.0417504	0.00359256	0.05051089	0.00247647	0.36988338	0.01362142
0.07469582	0.04491547	0.52364814	0.2306662	0.00146079	0.11257067	0.00598372	0.92078791	0.0202039
0.1286725	0.05135201	0.41930296	0.06673392	0.00118644	0.15651857	0.01725584	0.22305855	0.03055951
0.09392574	0.03497829	0.35761362	0.02231281	0.00631641	0.35964588	0.03670266	0.30886685	0.03575978
0.04770431	0.02023803	1.34178437	0.05558353	0.00241295	0.08696595	0.00158969	0.20461437	0.0073683
0.02876285	0.02248583	0.35138614	0.02945782	0.00299354	0.01246695	0.0012877	0.08613518	0.00481958
0.09564171	0.04769345	0.40920501	0.03905727	0.00559435	0.25764177	0.02449276	0.34604269	0.02957397
0.06537023	0.02061477	1.30505864	0.24207079	0.00463782	0.11244509	0.00621486	0.23874745	0.0153118
0.07971024	0.03830406	0.72296932	0.13175169	0.00157115	0.10928481	0.00848043	0.4454152	0.02347152
0.22463519	0.0243615	0.32330455	0.01038671	0.00112779	0.05405827	0.00155614	0.3639823	0.01788964
0.04223507	0.01848689	0.75161398	0.10000483	0.00273363	0.1355883	0.005597	0.25061667	0.01373839
0.04805221	0.01763568	0.16190542	0.04635599	0.00577869	0.23011921	0.03518771	0.14854311	0.02156276
0.12131899	0.02350053	0.34460511	0.08244081	0.00133582	0.08404992	0.00187743	0.41610434	0.02061623
0.09596544	0.03167239	0.48255487	0.0823727	0.00655906	0.2151721	0.03271118	0.50110024	0.05049459
0.06529291	0.02059481	1.30357323	0.24180061	0.0046296	0.11232158	0.00620384	0.33210358	0.01529142
0.13324438	0.0340301	0.61129002	0.08453557	0.00117462	0.03666069	0.00147126	0.19833719	0.032715
0.0381223	0.01575467	1.26558399	0.14572623	0.00161229	0.07865433	0.00436142	0.26256311	0.01206685
0.05283667	0.0223329	0.60415282	0.06971873	0.00348263	0.53059804	0.01383448	0.21276012	0.02564398
0.06529356	0.03038082	0.25924088	0.07294063	0.02967988	0.75540077	0.06986857	0.25022869	0.03094676

0.05099448	0.01314223	1.06958324	0.04784866	0.00272699	0.04859704	0.00181196	0.33883924	0.018437
0.08886406	0.02253237	0.22124323	0.02655533	0.01621964	1.96902432	0.03637244	0.26824891	0.03830975
0.07173466	0.03807335	0.71904142	0.14419733	0.00163955	0.10283774	0.00887891	0.28673506	0.01638251
0.12994964	0.01795318	0.20011739	0.02373825	0.00818031	3.36603202	0.02150057	0.3026379	0.03662086
0.12754714	0.02615516	0.69429549	0.07548396	0.00146294	0.03810864	0.00174156	0.25426471	0.02964389
0.05517486	0.03863263	0.3598913	0.09307019	0.00083319	0.04484862	0.00226536	0.11264498	0.00524378
0.05159444	0.01893317	0.1738965	0.04977016	0.00618334	0.24671747	0.03767246	0.21260271	0.02314861
0.12619911	0.04274022	0.43671014	0.0425059	0.0030871	0.16138364	0.0122601	0.20555067	0.03033496
0.26700502	0.05962353	0.94619893	0.07914787	0.00104591	0.07962227	0.00289328	0.32064953	0.02313543
0.05878511	0.02655667	0.24309735	0.0750779	0.01103604	0.33659364	0.06083072	0.19750473	0.03007754
0.04148325	0.04106522	0.62795241	0.10230554	0.00132412	0.07722543	0.00347406	0.17126005	0.00970832
0.07660941	0.02565651	0.27426419	0.01481645	0.00103954	0.04849896	0.0014494	0.4692742	0.01474527
0.11562979	0.02831004	0.32186844	0.02083991	0.0011359	0.05199523	0.0016164	0.38378019	0.01915603
0.09283407	0.03864197	0.92300101	0.18157649	0.00170633	0.09527373	0.00891465	0.20117762	0.04975411
0.0082095	0.00499804	0.08788408	0.09255036	0.00020155	0.00331899	0.00027779	0.01170628	0.00102045
0.04933883	0.01733401	0.38079707	0.03364205	0.00771109	0.78842418	0.01906748	0.23980526	0.03177397
0.1360235	0.05017848	0.29486071	0.26511299	0.00195984	0.05911353	0.00660842	0.80546977	0.02924504
0.04764407	0.01909985	1.17484499	0.04964525	0.00226516	0.08331664	0.00150381	0.20938249	0.00696289
0.04301245	0.0188969	0.30145624	0.0139141	0.00272314	0.08133158	0.00369384	0.23807177	0.00454691
0.07540913	0.03398566	0.34791496	0.11741778	0.00408332	0.2250546	0.01900381	0.25473669	0.02261957
0.04545935	0.00939837	0.71929101	0.02158111	0.0015297	0.16786269	0.00208094	0.24536088	0.0096052
0.03230024	0.03913754	0.59419014	0.09819858	0.00131038	0.07643333	0.00344736	0.17162713	0.00963033
0.1094318	0.03254867	0.41060125	0.04186559	0.00315849	0.19871784	0.01691268	0.18914022	0.02736299
0.2074051	0.06197004	0.25150804	0.170662	0.00081477	0.04245382	0.00115346	0.26814266	0.01658785
0.02357295	0.00974779	0.61262619	0.18294543	0.00397983	0.09878404	0.00539635	0.46114694	0.01493514
0.07231217	0.01359834	0.90491516	0.02662181	0.0013795	0.04679438	0.00188384	0.30617855	0.00868949
0.09245323	0.03884681	0.67669864	0.10115325	0.00133904	0.14058352	0.01249012	0.27355705	0.02134356
0.03059263	0.01441042	0.33989394	0.04022149	0.00075036	0.10410189	0.00197167	0.14143086	0.00734667
0.04639975	0.01734112	0.12397421	0.04039393	0.00418217	0.37352612	0.05304254	0.15044516	0.02499996
0.07535726	0.03898786	0.50222904	0.10278856	0.00300817	0.15497079	0.01446019	1.0184742	0.02467841
0.08357233	0.01950394	0.40349474	0.01099452	0.0011889	0.06564532	0.00163124	0.3816032	0.01827137
0.02154814	0.00494876	0.32285339	0.01032198	0.00067736	0.0705487	0.00091756	0.15364223	0.00421014
0.04703241	0.01883209	0.69846202	0.09075748	0.00112989	0.05530654	0.00295252	0.17396262	0.02056786
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0.10176272	0.03173461	0.19516083	0.06880045	0.00690639	0.2972693	0.02573885	0.18196881	0.03797723
0.12812397	0.05404073	0.43311368	0.07572949	0.00459908	0.2342144	0.02059517	0.340361	0.03801364
0.19530801	0.03138796	0.91766924	0.09915076	0.00170533	0.05105841	0.00212182	0.25409341	0.03982668
0.05512159	0.02994988	0.24331147	0.07198986	0.03835349	0.69060454	0.09151697	0.27169143	0.02731062
0.11535072	0.02092585	0.24767332	0.03263408	0.00325849	0.60071618	0.01720583	0.18143189	0.03995764
0.08533692	0.04491136	0.45650001	0.03058345	0.00568913	0.23191813	0.0286197	0.34099048	0.02998234
0.10492026	0.0280625	0.21025915	0.0685275	0.00351132	0.28802636	0.03386343	0.28944066	0.03576551
0.09146715	0.04453047	0.43156095	0.24591139	0.00110565	0.06547426	0.00597169	0.95230931	0.0068891
0.08230185	0.04264877	0.5374504	0.1545841	0.0012236	0.04770092	0.00324316	0.20066421	0.04919311
0.09333772	0.02040368	1.00059618	0.04062147	0.00151805	0.07229493	0.00205615	0.4358802	0.01137648

0.22200604	0.03055823	0.60550784	0.10440938	0.00124712	0.04819136	0.003416	0.17432288	0.01716773
0.05125654	0.01534722	1.29258678	0.03548288	0.00282836	0.09430529	0.00187969	0.50642534	0.01391952
0.07750656	0.02813661	1.38599768	0.04963832	0.00177411	0.06791319	0.00239709	0.31867512	0.03537817
0.11152641	0.02481899	0.22897185	0.06612961	0.01412864	0.3081974	0.14900702	0.27538291	0.02689419
0.13402657	0.02836503	0.71743063	0.07203852	0.00137655	0.0512446	0.0018698	0.19163693	0.02052395
0.12015588	0.03041264	0.14780335	0.07096817	0.01700356	0.25122636	0.32942095	0.33210345	0.04347756
0.0709312	0.02901864	0.32391298	0.01012553	0.00310752	0.23252176	0.02160437	0.18580466	0.01979733
0.06430236	0.01857024	0.21054058	0.0234636	0.00659609	1.23479292	0.02338587	0.23095431	0.03384824
0.41498847	0.04995299	0.47444265	0.19617557	0.00104311	0.04293757	0.00287245	0.11275083	0.00653465
0.04872113	0.02067712	1.37035268	0.05677611	0.00246287	0.08882394	0.00162258	0.20897061	0.00753114
0.0320826	0.01393001	1.32932098	0.04713361	0.00144491	0.06972139	0.001925	0.25490536	0.00889059
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0.05508196	0.02323543	0.2425032	0.04816462	0.00728046	0.32639063	0.02977705	0.38483928	0.03546209
0.03798908	0.01796124	1.2164977	0.04079268	0.00405187	0.04668097	0.00180441	0.26108836	0.00833085
0.10632148	0.03315162	0.20364535	0.07189257	0.0072132	0.30961147	0.02684788	0.25854773	0.03967732
0.06273586	0.02124901	0.48673157	0.05522702	0.00072495	0.03861865	0.00189673	0.34525761	0.02138714
0.09158861	0.02615046	0.50309459	0.17153018	0.00147299	0.12367135	0.01140247	0.33140744	0.02129937
0.2323742	0.03569403	0.35310787	0.01468502	0.00113503	0.05164804	0.00156773	0.3520853	0.01713549
0.08730639	0.02881848	0.43903151	0.07495033	0.0059718	0.19577187	0.02975443	0.45590691	0.04594305
0.09839408	0.04188406	0.42179114	0.08114627	0.00814515	0.33540191	0.0486593	0.48234748	0.04687989
0.08189127	0.03541995	0.36648139	0.09849813	0.00321892	0.42437409	0.01307191	0.318609	0.02210885
0.12390463	0.02537827	0.38925492	0.01251034	0.00118048	0.06092358	0.00168059	0.39905548	0.01822095
0.08767205	0.02045172	0.42366348	0.0115362	0.00124566	0.06884577	0.00170884	0.40030382	0.01916894
0.06273369	0.02772114	0.37231591	0.07689727	0.00255865	0.15276952	0.01186528	0.20092335	0.01257408
0.02906218	0.0090192	0.3959915	0.00731931	0.00244783	0.03806341	0.00110713	0.20361466	0.00613863
0.09623931	0.05647276	0.622547	0.29151479	0.00303627	0.09046709	0.01001059	1.47237321	0.02415102
0.08539276	0.0260264	0.25822026	0.18362804	0.0009717	0.06981031	0.0040705	0.49732398	0.02575525
0.01650581	0.01064982	0.33670845	0.00619403	0.00281354	0.02383949	0.0015876	0.09420359	0.00307495
0.02841038	0.02252314	0.3757222	0.01052684	0.00281049	0.02795189	0.00123922	0.0953882	0.00459018
0.05627748	0.01724957	0.10628264	0.04391245	0.02975992	0.33778207	0.23335359	0.12385414	0.02535777
0.03529825	0.01458694	1.10056396	0.05135613	0.00149414	0.06242808	0.00202265	0.23635775	0.0093068
0.03999477	0.04293078	0.57657464	0.10728675	0.00128079	0.07640962	0.00337737	0.19020843	0.01099181
0.05826266	0.03773073	0.6844254	0.19450937	0.0015767	0.09039435	0.00624538	0.34807605	0.04238762
0.1222742	0.04879738	0.39843602	0.06341383	0.00112836	0.14872977	0.01639963	0.21196076	0.02903255
0.03296759	0.03776975	1.25183848	0.04125714	0.00156478	0.14770137	0.00207655	0.17128303	0.00963176
0.03664948	0.02009723	0.42025252	0.09511002	0.00083591	0.04695209	0.00442844	0.09749196	0.02460957
0.02112022	0.01192212	0.15505454	0.01452161	0.00242384	0.09048876	0.00661843	0.16523356	0.00608928
0.10931309	0.04337999	0.35244333	0.05497187	0.00379007	0.23545534	0.01890895	0.33186554	0.08524671
0.12267714	0.02431881	0.21200982	0.03034873	0.01482361	2.3184804	0.03032086	0.35551228	0.03970152
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0.08427584	0.04352289	0.35800305	0.03284771	0.00493226	0.23417423	0.02324275	0.31146621	0.0260575
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0.0336261	0.00718382	0.49433797	0.01498896	0.00098119	0.09910228	0.00132551	0.16285654	0.00611544
0.04581877	0.01645176	1.11011886	0.04939712	0.00335263	0.1723243	0.00228241	0.37232504	0.01051476
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0.06479025	0.02327782	0.48107811	0.04248392	0.02628122	0.52506845	0.04670368	0.31893558	0.04158147
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0.10436685	0.04367174	0.39047769	0.11659778	0.00226204	0.15480547	0.012612	0.20149548	0.0199742
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0.06478106	0.02269518	0.41499407	0.06031339	0.01432276	0.28660247	0.07911928	0.2671829	0.02889966
0.09416433	0.06449837	0.51846813	0.14375688	0.00122257	0.04835932	0.00165269	0.2224443	0.01837173
0.06390385	0.02487812	0.22049016	0.04412314	0.02194113	0.37791477	0.04022262	0.35874289	0.04029554
0.13360673	0.06430457	0.47820385	0.1746753	0.00138867	0.11261512	0.00749223	1.17566865	0.03111995
0.05248963	0.03362041	0.67753252	0.17696411	0.00156483	0.08777415	0.0061714	0.41223931	0.03548722
0.09703448	0.02535982	0.24778349	0.04767637	0.0053322	0.32434576	0.02081238	0.42301086	0.0484457
0.04415667	0.02576963	0.38355432	0.0110118	0.00285229	0.05780778	0.0026057	0.18087534	0.00598749
0.02665858	0.01542509	0.39311068	0.0126406	0.00180501	0.05237866	0.00122668	0.22177992	0.00562673
0.03792381	0.01509456	0.26170405	0.01260693	0.00244579	0.07923145	0.00334937	0.19843424	0.00411085
0.10434374	0.02198161	0.31249777	0.08799017	0.0008345	0.04909788	0.0022749	0.26343998	0.01533208
0.05877858	0.01697365	0.19245074	0.02144947	0.00602576	1.12872579	0.02137382	0.21111025	0.03093591
0.02531497	0.00561645	0.75132385	0.15664209	0.0030177	0.15968609	0.00626064	0.25098686	0.00766474
0.13079645	0.03023204	0.73041865	0.11049623	0.00134306	0.05488729	0.00173165	0.24006382	0.01942316
0.01375336	0.00357088	0.30207573	0.1785852	0.00070589	0.02442388	0.0020024	0.22207671	0.00365814
0.10146343	0.02939303	0.23041723	0.06856253	0.01116977	0.57625968	0.02889738	0.3677463	0.03293673
0.06652741	0.01642803	0.27341379	0.0383164	0.00577845	1.66352359	0.02093636	0.12072091	0.02783548
0.05950096	0.02379871	0.2174962	0.06518394	0.00725588	0.31951656	0.04279438	0.24834257	0.02300601
0.02820841	0.00858954	0.62270145	0.2081871	0.00416476	0.11398351	0.00573088	0.25165194	0.01405024
0.05868984	0.04538417	1.18227333	0.0334238	0.00156677	0.15694326	0.00207541	0.19775437	0.01735767
0.07777092	0.02830966	0.27392568	0.01635943	0.00260626	0.13646865	0.01212213	0.25606646	0.02407057
0.03074001	0.0232034	0.27560613	0.03941387	0.00176676	0.03227522	0.00115891	0.0935759	0.00430261

0.03752153	0.01763895	0.80727006	0.1160257	0.0028729	0.15240515	0.00587291	0.24001475	0.01261596
0.01772964	0.01509502	0.14940156	0.41093844	0.00066227	0.03791892	0.00280096	0.08163383	0.00255331
0.11088546	0.03378092	0.27014314	0.0668332	0.00806839	0.44946384	0.03354002	0.29555181	0.03280343
0.06315172	0.01542712	0.94234941	0.04457296	0.00142315	0.13238767	0.00565984	0.33991515	0.03672686
0.04395869	0.01552395	0.35203387	0.01389272	0.00270384	0.04736955	0.00245945	0.19330916	0.00567031
0.0638321	0.0215897	0.12134212	0.0463916	0.02271734	0.44044734	0.2143854	0.20913091	0.03245344
0.0396144	0.02093516	0.35766862	0.05288683	0.00082655	0.10641223	0.00219898	0.11158565	0.00813623
0.08259499	0.02352768	0.18299365	0.06129958	0.0193254	0.44065693	0.31336993	0.2239814	0.03454415
0.16646042	0.015484	0.72426149	0.01632007	0.00116077	0.03643629	0.00158443	0.29080538	0.00712886
0.07044873	0.0149054	0.88483546	0.02593128	0.00134798	0.04716218	0.00183898	0.30095107	0.00846461
0.07328308	0.02224188	0.22366655	0.05404925	0.02820734	0.85497261	0.07198439	0.14077893	0.02409744
0.02748264	0.01318028	0.45904528	0.01374158	0.00249299	0.0376073	0.00112685	0.28186803	0.01035578
0.19482787	0.02916139	0.79406314	0.10687059	0.00144001	0.05577836	0.00188061	0.22447066	0.0401276
0.10245546	0.01614552	0.19653485	0.02595284	0.00607865	1.79600706	0.01940122	0.29985588	0.02994677
0.10823845	0.02046094	0.25668579	0.02252209	0.00650088	0.83503265	0.02092479	0.26371873	0.03516453
0.07235105	0.02089526	0.23686739	0.02640174	0.00741441	1.38925173	0.02631047	0.25983839	0.03807418
0.09438271	0.01778395	0.21608624	0.02092054	0.00496458	0.869119	0.01819644	0.23680076	0.03020443
0.12121571	0.05011613	0.73979831	0.12318985	0.00146881	0.16500099	0.01189564	0.32191479	0.02743244
0.1151008	0.04242758	0.31715574	0.01767119	0.00233076	0.36910411	0.01873125	0.11467081	0.03464306
0.09867454	0.0183631	0.21992834	0.02159777	0.00616205	0.90141707	0.02011789	0.24256882	0.03243768
0.05322499	0.01837534	0.28079861	0.04748314	0.04439479	0.29997728	0.65605613	0.19167445	0.02986748
0.18810751	0.03081079	0.41785756	0.02091607	0.00110442	0.05032133	0.00150191	0.32689489	0.01372855
0.0307454	0.01712962	0.26012498	0.00383477	0.00297759	0.0998174	0.00816582	0.19256586	0.00375411
0.06342422	0.01826041	1.36241003	0.02376527	0.00251443	0.09138074	0.0016731	0.20629368	0.0108677
0.05329173	0.0443534	1.15086142	0.03879128	0.00146603	0.13351279	0.0019601	0.23161331	0.01448466
0.1710205	0.02942705	0.63992871	0.09996602	0.00128145	0.04873772	0.00170404	0.21016286	0.03622027
0.10914745	0.02920055	0.23483745	0.05457327	0.0158838	0.41705061	0.04323601	0.41155549	0.05209079
0.04860434	0.01843686	0.64457578	0.04025316	0.00136169	0.15110923	0.00186258	0.22417925	0.01028152
0.05233055	0.02702973	1.0809038	0.21217957	0.00147495	0.11485521	0.01195181	0.11271585	0.0239172
0.10496686	0.0418919	0.34205931	0.0544392	0.00097072	0.1276867	0.01408349	0.18196263	0.02493013
0.04137726	0.010057	0.55324193	0.02755002	0.00102668	0.07291115	0.00139383	0.20844112	0.00642309
0.06153772	0.03538619	0.47641237	0.09980665	0.00429972	0.1711396	0.01181049	0.31871918	0.01808878
0.08437074	0.03391823	0.8813819	0.10184567	0.00117666	0.12460152	0.01092805	0.25820099	0.01969987
0.05099714	0.0140392	0.81136671	0.05482568	0.00434181	0.06015132	0.00193938	0.52455313	0.0214956
0.0292113	0.02993898	0.57100377	0.03791966	0.00117221	0.07467783	0.00588167	0.12754878	0.00414959
0.03691778	0.00588576	0.73920522	0.02460844	0.00118198	0.01810591	0.00163521	0.23412445	0.00752237
0.04934045	0.01635039	0.06985735	0.03420717	0.04200947	0.34607086	0.27928474	0.11638448	0.02405781
0.0733366	0.04741784	0.55536913	0.17400745	0.00131055	0.06530019	0.0035116	0.19434226	0.02192853
0.12175741	0.05937572	0.60975097	0.2225836	0.00115995	0.04166152	0.00312729	0.36669959	0.03177232
0.04820119	0.01659311	0.12205853	0.0472632	0.02364014	0.35164112	0.16145922	0.16423978	0.02598436
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0.0421954	0.01689599	0.6266699	0.08142377	0.00101272	0.0496194	0.00264633	0.15607762	0.01845207
0.32846945	0.04506131	0.32395213	0.14786659	0.00082195	0.04343542	0.00224498	0.20912022	0.01118858
0.07063028	0.0223694	0.15199828	0.05277762	0.00963846	0.37044307	0.13950466	0.19134148	0.03127299

0.08610458	0.02661524	0.19773832	0.05792145	0.01164203	0.44520345	0.0278279	0.25925822	0.02713894
0.04482805	0.01099359	0.56572227	0.06257164	0.00098269	0.03588671	0.00272336	0.13287577	0.01249122
0.09485925	0.01793576	0.22496034	0.01974041	0.00569782	0.73189043	0.01834451	0.23111006	0.03081468
0.04603767	0.00881958	1.00371796	0.01472413	0.00143816	0.04353111	0.00196035	0.34550505	0.00901487
0.03151787	0.02464159	0.38495419	0.03228355	0.00327944	0.01365155	0.00141865	0.09437264	0.0052873
0.03011539	0.01206964	0.46809937	0.071985	0.00115681	0.03359879	0.00144508	0.14449933	0.00681693
0.06452097	0.02227586	0.34037597	0.05756196	0.05381671	0.3636251	0.79525109	0.23234441	0.03620642
0.0354766	0.02002305	0.34888996	0.03600573	0.0027059	0.04327332	0.00123088	0.18724511	0.00682401
0.03079312	0.00659458	0.41255202	0.01490703	0.00089172	0.09175767	0.00121947	0.14469809	0.00560988
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0.05222971	0.0287285	0.48484978	0.06352774	0.00099194	0.09929831	0.00131935	0.09600083	0.00977563
0.17051152	0.02665396	0.79070904	0.08773451	0.00143629	0.04488412	0.00180406	0.21456575	0.03551683
0.03835702	0.02210405	0.33978861	0.09933096	0.0008428	0.05590709	0.00118459	0.18860194	0.00967474
0.05524815	0.01984553	0.16108054	0.03622267	0.02240331	0.44885128	0.03982454	0.27199022	0.03545613
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0.77743286	0.09247393	0.26508252	0.2511301	0.00083513	0.03609494	0.00114178	0.21206817	0.01565007
0.04086531	0.01440834	0.37534804	0.00964385	0.00339511	0.03723195	0.00113513	0.22248435	0.00525688
0.54708061	0.08124511	0.6790009	0.13789932	0.00082189	0.03651385	0.00111141	0.3253627	0.03491382
0.06592221	0.03630005	0.63374851	0.02205399	0.00124888	0.0503931	0.00167552	0.17181655	0.01080968
0.0580785	0.02999312	1.19946612	0.23545008	0.00163884	0.12745235	0.01326507	0.12507904	0.02654636
0.03795591	0.02309589	0.38118751	0.03979679	0.00281172	0.04383373	0.00128623	0.20362503	0.00708912
0.02888524	0.02405894	0.43932794	0.05077436	0.00095234	0.07429277	0.00379014	0.18836878	0.00467324
0.04308925	0.01960834	0.47475963	0.05437623	0.0010846	0.1395936	0.00287858	0.18559328	0.00933648
0.044472	0.027789	0.27587502	0.01635653	0.00397962	0.04831187	0.00533352	0.19742031	0.00739617
0.19634941	0.04392641	0.59173172	0.14891456	0.00134874	0.04654977	0.00358267	0.57404061	0.05619485
0.10862736	0.04390646	0.55613207	0.159066	0.00125774	0.04909058	0.00334088	0.20710437	0.05098156
0.02822067	0.00507826	0.59368748	0.01324452	0.00103233	0.0421806	0.00140633	0.39063521	0.00778066
0.0932303	0.0208547	0.40462792	0.03258602	0.00861984	0.49357529	0.02047696	0.25806354	0.03544598
0.36842954	0.05055297	0.36335381	0.16586541	0.0009267	0.04872996	0.00252283	0.23456327	0.01254694
0.08810948	0.08928463	0.20858045	0.34645857	0.00074427	0.03083522	0.00209335	0.19054027	0.02868672
0.07022242	0.01906849	0.18688204	0.021182	0.01259465	1.04937443	0.04068628	0.24184845	0.04152833
0.03218592	0.02453283	0.90466515	0.22680378	0.00284767	0.12971274	0.00973035	0.18829078	0.01790963
0.04187343	0.01839804	0.29347704	0.01353945	0.00264976	0.07916982	0.0035943	0.23176958	0.00442458
0.08869239	0.03410702	0.22545602	0.07098072	0.02055183	0.4221646	0.05978565	0.34171142	0.02689292
0.06278815	0.01808066	0.20305364	0.02981436	0.00747173	1.62525465	0.01996256	0.24237917	0.03997978
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0.04891349	0.01185636	0.21645683	0.08832466	0.00058697	0.02079248	0.00150782	0.25079892	0.00911266
0.62513	0.07659261	0.29029298	0.23734851	0.00096395	0.04207236	0.00135113	0.33045961	0.02094341

0.07119879	0.04764259	0.0977028	0.55874112	0.000666	0.02884336	0.00192233	0.0635328	0.02967262
0.0307468	0.0220095	0.54177204	0.01786257	0.00298807	0.05923916	0.00406116	0.36787955	0.00874822
0.12976643	0.0213829	0.20554092	0.02523427	0.01290782	1.28331746	0.03463414	0.25865654	0.04657029
0.04286419	0.01704815	0.53057568	0.08971571	0.00120506	0.04633332	0.00154329	0.16712915	0.0086764
0.08624293	0.04689682	0.28251246	0.20651053	0.00070265	0.01989656	0.00098173	0.16861104	0.02153847
0.03979026	0.01403824	0.3553324	0.01045571	0.00410845	0.03813199	0.00111614	0.22878852	0.00512724
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0.03028831	0.01251243	1.04437188	0.04560545	0.00128982	0.06847769	0.00173071	0.23789384	0.00798763
0.18170011	0.0317171	0.43868339	0.02012274	0.00113943	0.05344305	0.00154947	0.32979242	0.01562086
0.0477938	0.01236123	0.68045686	0.07310508	0.00111989	0.04562067	0.00304732	0.12751702	0.01122896
0.05046487	0.0224931	0.51962059	0.09350458	0.00117188	0.11406212	0.00154659	0.16103721	0.00860057
0.0285932	0.0056963	0.57643176	0.02024283	0.00091801	0.01511571	0.00126734	0.30403627	0.00582732
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0.05383236	0.022165	0.27942007	0.07482631	0.00347596	0.46229269	0.01367901	0.17661922	0.02542358
0.04060664	0.01527465	0.33374268	0.0266773	0.00233211	0.03897503	0.00212641	0.2015827	0.00585351
0.07128689	0.0144265	0.90005775	0.02509856	0.00130725	0.03043354	0.00178366	0.27782355	0.00818932
0.05297688	0.02143944	0.4436053	0.08215725	0.00097086	0.06098489	0.00265178	0.15207607	0.0109666
0.06082419	0.02778586	0.34674866	0.08548147	0.00357754	0.16807964	0.01623185	0.21933551	0.01943592
0.04058654	0.03140251	0.3203683	0.01815045	0.00289076	0.04434137	0.00128682	0.11474145	0.00474559
0.06394	0.02884838	0.24886033	0.08861389	0.00455677	0.39004788	0.01664241	0.2432429	0.02803253
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0.06649934	0.01893789	0.14733924	0.0493535	0.01556225	0.35478598	0.25232262	0.1803226	0.02780851
0.10706117	0.0210245	0.2074007	0.05338507	0.0086844	0.3687084	0.15329383	0.23539183	0.03756204
0.07244386	0.22271358	0.26112179	0.18428935	0.00064599	0.02648644	0.00177669	0.15349987	0.00653
0.05168367	0.00916858	0.85146111	0.01754194	0.00124057	0.03044229	0.00169602	0.31617085	0.00937344
0.0704233	0.03209532	0.14797579	0.06057453	0.02008683	0.20276391	0.21666183	0.28365535	0.02776114
0.11782528	0.0323852	0.37811969	0.07564384	0.0025121	0.13034576	0.01027553	0.41702916	0.02521801
0.02271738	0.01761006	0.22993381	0.01346365	0.00384497	0.05691537	0.00649945	0.11930828	0.00359841
0.06720282	0.01909102	0.19271679	0.04833974	0.00898036	0.33092736	0.179132	0.17369422	0.02068479
0.05708581	0.03592728	0.31598528	0.02811966	0.0031403	0.07678784	0.00853459	0.13141936	0.01049244
0.01124521	0.00291288	0.31695058	0.08515266	0.00156397	0.09558419	0.00433172	0.15374097	0.00397125
0.06607716	0.01256024	0.79980803	0.02186683	0.00113143	0.0211745	0.00155406	0.22238983	0.00713149
0.04591953	0.03042069	0.37194411	0.03426879	0.0029847	0.04973268	0.00134912	0.16247624	0.00746251

0.01651321	0.00381001	0.26956977	0.07599684	0.00150443	0.04491241	0.00214264	0.16223003	0.00390559
0.0415826	0.02375577	0.22904544	0.02595579	0.00277153	0.13220282	0.01504199	0.06197787	0.01617952
0.05511712	0.02618029	0.22780334	0.10118646	0.00754993	0.40043833	0.03242589	0.30584442	0.0251711
0.12566192	0.03455682	0.21031509	0.07636085	0.00835936	0.29577188	0.08712397	0.25798073	0.04552934
0.03803366	0.02545081	0.2815399	0.03019298	0.00282463	0.05271674	0.00385593	0.14752743	0.0047322
0.02211299	0.01093502	0.34714048	0.00622377	0.00243684	0.04155317	0.00220118	0.21981901	0.00507721
0.08270481	0.03898246	0.11956241	0.0476354	0.01454506	0.17201565	0.27046602	0.30903219	0.03193838
0.0984046	0.03779722	0.30454848	0.0258316	0.00194963	0.2553367	0.01564475	0.11079315	0.03014379
0.04652064	0.01904417	0.33582772	0.02225622	0.00271335	0.0488336	0.00249036	0.18302124	0.00572534
0.03566234	0.00808054	0.56005101	0.0217147	0.00093377	0.01967987	0.00128977	0.23221841	0.00708281
0.0725875	0.04918907	0.30157772	0.50458515	0.00077693	0.08945452	0.00431185	0.14120661	0.03455071
0.04670459	0.02685646	0.21383731	0.03029714	0.00173811	0.08149682	0.00955617	0.10424534	0.00988588
0.01556697	0.11003503	0.33639154	0.16879191	0.00069403	0.0286923	0.00194188	0.11141755	0.00355427
0.01260565	0.64335814	0.26094578	0.1131226	0.00055689	0.01830183	0.00153271	0.07486076	0.00282639
0.02487736	0.00245394	0.54661982	0.05012674	0.00098388	0.02207586	0.00137117	0.25683983	0.00629006
0.09956257	0.03310767	0.3253575	0.02243285	0.00779511	0.38314387	0.04137314	0.31408006	0.03787788
0.0318386	0.01433159	0.33835505	0.05311526	0.00086459	0.0333072	0.00223884	0.20210656	0.0093864
0.09828101	0.04351258	0.13836438	0.07970175	0.04327617	0.23577334	0.89860663	0.25357777	0.04308883
0.07573443	0.03071254	0.28653898	0.09875115	0.00083466	0.04542498	0.00229519	0.20172146	0.00971136
0.04413589	0.01654535	0.62764104	0.02436792	0.00114593	0.05657099	0.00302853	0.37095718	0.00703367
0.0773009	0.01280235	0.14306001	0.01742675	0.00488447	0.98928686	0.01520665	0.16589723	0.02512533
0.08168659	0.05023506	0.20010687	0.20998725	0.00063464	0.02876751	0.00180089	0.14526399	0.01552129
0.09632034	0.02667165	0.19486908	0.00504973	0.01999465	0.5503646	0.06291406	0.21627387	0.05941027
0.01570623	0.00479759	0.28321557	0.45476679	0.00075898	0.02353955	0.0010753	0.15571008	0.00491627
0.03138964	0.01810329	0.17535862	0.02013318	0.00216461	0.0939288	0.01418099	0.07603462	0.00790466
0.03562724	0.01565373	0.24336026	0.01056956	0.00225035	0.07084096	0.00306807	0.20188964	0.00376304
0.01851862	0.00192507	0.31603714	0.10782111	0.00076094	0.04628832	0.00215956	0.13497024	0.00393424
0.05779323	0.02698312	0.26332858	0.01870821	0.00280299	0.13729745	0.01608457	0.07171252	0.0206453
0.01243592	0.4579737	0.22296885	0.17924171	0.00057369	0.02031097	0.00160785	0.07276938	0.00220631
0.01696469	0.00293263	0.30037627	0.38046953	0.00078049	0.06283999	0.00218889	0.13533449	0.00500526
0.06041959	0.02976888	0.28629495	0.02670393	0.00339316	0.13443507	0.01782202	0.07013139	0.0220706
0.05341512	0.01351131	0.14648882	0.03026485	0.08537985	0.20617058	3.18767986	0.27031081	0.01802114
0.10380971	0.07998722	0.26615972	0.19071606	0.00070932	0.03176953	0.00197612	0.11758661	0.01173613
0.02544853	0.01020279	0.3955395	0.06082877	0.00098415	0.02838684	0.0012294	0.12209865	0.00576193
0.10444777	0.03289381	0.37565385	0.09191645	0.00106302	0.09676921	0.00832144	0.2580783	0.03094313
0.02281585	0.01608275	0.18090671	0.01006965	0.00436277	0.06517657	0.00952527	0.09936456	0.0043851
0.04625795	0.03107005	0.45456474	0.00747882	0.00196247	0.07613264	0.00265097	0.18690331	0.0073283
0.05910896	0.02211808	0.1335467	0.05571989	0.04753429	0.39263304	0.3775296	0.20005062	0.03725245
0.0242562	0.00359108	0.48291299	0.03760645	0.00095856	0.02718239	0.00267699	0.30053481	0.00612738
0.07784012	0.04537431	0.35076808	0.07232148	0.00237833	0.11923654	0.01335055	0.08512095	0.01117715
0.04546692	0.01765742	0.2801882	0.00369231	0.00284877	0.05576519	0.0039365	0.15126029	0.00963449
0.08395401	0.03469226	0.28157093	0.04727771	0.00218549	0.27269913	0.02361649	0.11453553	0.04496478
0.06092988	0.04507411	0.39203456	0.0227314	0.00340188	0.14851021	0.01353757	0.14157798	0.00975416
0.03444493	0.03356536	0.36070764	0.09528153	0.00086748	0.02353867	0.00242411	0.15594594	0.00665023

0.01933781	0.01221773	0.4643717	7.24578958	0.00130412	0.04985395	0.00331914	0.11571574	0.0046615
0.08844195	0.08236952	0.16503086	0.33073539	0.00073621	0.03032456	0.00215656	0.18995958	0.02632049
0.08288823	0.02341165	0.210381	0.06154779	0.00459669	0.36833175	0.08621806	0.20575445	0.03511907
0.11579154	0.04959675	0.51821958	0.12421159	0.00124193	0.05397944	0.00343115	0.13419398	0.01546772
0.04938807	0.0142196	0.18614778	0.02094981	0.00588735	1.32263734	0.0169623	0.28451065	0.02779869
0.03850672	0.01509779	0.12833605	0.00661255	0.00263049	0.07877295	0.01225521	0.17811064	0.00810514
0.13379222	0.04596417	0.38816435	0.03548291	0.0010971	0.19054548	0.00866522	0.19164571	0.03080935
0.02366178	0.04502488	0.36198913	0.17162579	0.00081681	0.03961563	0.00229338	0.11355216	0.00418954
0.85182736	0.10126343	0.29025898	0.27488926	0.00091624	0.03951352	0.00125261	0.33177114	0.01721047
0.06218085	0.02749078	0.26336884	0.02043655	0.00325261	0.13351265	0.01587408	0.05740479	0.01870817
0.03453556	0.01824288	0.38610427	0.16763385	0.00076003	0.02701909	0.00200299	0.14363164	0.00836293
0.33693812	0.07749801	0.16972952	0.12823742	0.00068751	0.03152847	0.00093664	0.22913598	0.08232022
0.14055332	0.10549765	0.17183466	0.19964065	0.00050467	0.02120159	0.00136124	0.11296739	0.01983175
0.0746904	0.03219288	0.36816725	0.0218229	0.00466263	0.21376877	0.01692466	0.29293397	0.03283482
0.01806418	0.01140921	0.43378467	6.76856298	0.00121888	0.04657572	0.0031022	0.10809226	0.00435683
0.07786192	0.01921637	0.44273127	0.01628396	0.00294633	0.8325611	0.02527067	0.35414524	0.04539379
0.08982823	0.02819014	0.19535928	0.06842815	0.0055727	0.39154273	0.06355629	0.24324197	0.039728
0.04608538	0.03604421	0.16252443	0.01533461	0.53261107	0.07738389	0.59290327	0.21633387	0.01588031
0.07907777	0.03197911	0.40815176	0.02347154	0.0045163	0.219107	0.01598977	0.22077935	0.03392328
0.04055825	0.03227433	0.17508087	0.03168201	0.00027546	0.01664294	0.00037702	0.14657603	0.18528912
0.02628898	0.01650216	0.36697756	0.02430525	0.00237786	0.03596211	0.00214661	0.25529035	0.00892141
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0.05140036	0.01326118	0.07968145	0.02974047	0.02443078	0.28767209	1.09971998	0.2022204	0.02394666
0.0189521	0.01608545	0.53343314	0.09690702	0.0004392	0.02616317	0.00062929	0.10444151	0.00406613
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0.05606715	0.02242167	0.20490849	0.0614355	0.00683464	0.30093367	0.04031975	0.16920915	0.02168213
0.03663862	0.02251664	0.26034416	0.00619113	0.00288503	0.05619988	0.00396291	0.17118288	0.00484616
0.01455167	0.00502801	0.35048501	0.1126493	0.00162185	0.06094587	0.00335453	0.20312551	0.00411212
0.04909067	0.01873813	0.10954187	0.03561568	0.04524371	0.36142229	0.30240844	0.17224119	0.03039958
0.10875791	0.04740351	0.55321797	0.14374993	0.00121895	0.12269553	0.00985077	0.24172263	0.02861898
0.04922935	0.03959081	0.08270952	0.03693737	0.00033521	0.01937404	0.0004529	0.17177222	0.27555018
0.01069983	0.01139222	0.11764499	0.32653665	0.00051799	0.03064667	0.002166	0.0455601	0.00199179
0.06069962	0.02824882	0.24117154	0.02684909	0.0020285	0.14862103	0.01625607	0.11749079	0.01253783
0.0799826	0.03769568	0.11561474	0.04605801	0.01406659	0.16633803	0.2615477	0.29883547	0.03088637
0.04984919	0.0155373	0.16272837	0.0310957	0.01192872	0.82543787	0.02367912	0.2382264	0.02798445
0.09607549	0.02228298	0.2850145	0.05411232	0.07366187	0.25255155	1.68032294	0.32944145	0.05648839
0.01669135	0.01188648	0.80544586	5.76422803	0.00110845	0.04424513	0.00289361	0.10402888	0.00403713
0.01430951	0.39846261	0.31690881	0.11572276	0.00060965	0.02049345	0.00164994	0.0860171	0.00303884
0.01416835	0.01031773	0.16363748	0.03310818	0.00070964	0.03276826	0.00283875	0.11223281	0.00614124
0.0621018	0.01676469	0.817529	0.03962555	0.00126899	0.06108667	0.00167972	0.31029633	0.01088242
0.03734608	0.02502415	0.42073018	0.01086617	0.00171226	0.03571083	0.00115886	0.24204916	0.00957926
0.18395789	0.08084529	0.18580149	0.87320151	0.00074865	0.02993598	0.00206805	0.12218582	0.05609081
0.04365165	0.01625572	0.53964296	0.31975438	0.00103652	0.07274588	0.00550079	0.20056787	0.00892804
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0.04010275	0.01951924	0.42777482	0.07040956	0.00095551	0.1194546	0.00126156	0.13313501	0.00819365
0.0757074	0.06450881	0.23554272	0.3885815	0.00069674	0.03078657	0.00189621	0.15819436	0.03895496
0.06619805	0.01962907	0.38177564	0.12735304	0.00097956	0.06496848	0.00138939	0.22921029	0.0113051
0.02095539	0.01845464	0.14006465	0.01363264	0.00348438	0.0585641	0.00606094	0.08758362	0.00333866
0.08433127	0.04722302	0.32088443	0.06261547	0.11995014	0.13865484	0.77478917	0.36045892	0.04266787
0.08396912	0.37558777	0.33603875	0.17968339	0.00081191	0.01808597	0.00112362	0.15785053	0.00822679
0.02702966	0.02358009	0.49130593	0.04793473	0.00178143	0.03988317	0.00117522	0.2360959	0.00655649
0.05143187	0.08450548	0.14106512	0.13279229	0.00065132	0.00236107	0.00094823	0.01166478	0.00257972
0.0490028	0.0402231	0.35660354	0.02152925	0.00380336	0.11607255	0.01267625	0.08015457	0.00820881
0.08299699	0.03373414	0.18853802	0.02491105	0.00230644	0.90763522	0.02488352	0.34168893	0.05025752
0.02041871	0.01242516	0.26570167	0.0396666	0.00080454	0.03106997	0.00209834	0.1809489	0.00974369
0.03177072	0.01430165	0.33759138	0.05300137	0.0008562	0.03324036	0.00223884	0.201639	0.00936606
0.09579454	0.05051618	0.34643074	0.05247669	0.00196715	0.08977799	0.00902679	0.07669529	0.01437818
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0.09382881	0.02074465	0.17972996	0.02305562	0.00227961	0.94531737	0.02443239	0.24089433	0.04660461
0.02295345	0.01703752	0.17319139	0.0203704	0.0033315	0.08668066	0.01429318	0.07578021	0.00667706
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0.09210876	0.03815274	0.28255136	0.05772337	0.10866947	0.14797613	0.9943406	0.2846001	0.05333736
0.17232644	0.03232028	0.26734238	0.06575752	0.00728736	0.36126018	0.07450639	0.27402967	0.04649151
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0.10048746	0.03007348	0.63479955	0.15197011	0.00247086	0.08158929	0.0049844	0.30354659	0.02303731
0.04044493	0.02819429	0.15903152	0.0174132	0.81125917	0.08479006	0.33999543	0.26028784	0.0088876
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0.0866948	0.02727325	0.29585073	0.02014263	0.00773792	0.32121612	0.04656199	0.41281037	0.02954505
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0.20077567	0.06266236	0.25731575	0.21093967	0.00070402	0.0297274	0.00096521	0.20131829	0.01544026
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0.04540858	0.0348092	0.09128744	0.03793885	0.00036541	0.02472247	0.00098596	0.15030694	0.04189522
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0.0261467	0.02046608	0.19191247	0.0367763	0.00153677	0.03102829	0.00307911	0.14645359	0.01328929
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0.08308915	0.02081328	0.47125789	0.06914293	0.00533474	0.34470586	0.10220073	0.2708508	0.03454006
0.08490817	0.01969959	0.07547711	0.04781752	0.0650993	0.22318531	1.48495588	0.29113938	0.04991783
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0.0183296	0.00445952	0.42060839	0.36843139	0.00090682	0.07936868	0.00372684	0.17667747	0.00570227
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0.0366278	0.03275178	0.48125629	0.10449045	0.0027909	0.05964534	0.0105538	0.11590176	0.01498974
0.03730754	0.02091579	0.4292027	0.03738192	0.00368223	0.1103798	0.01741034	0.06943637	0.01032361
0.04550601	0.03549538	0.35739937	0.11127998	0.00104099	0.06668834	0.00503158	0.03600419	0.01518307
0.05458171	0.04576871	0.41523261	0.14456017	0.00289127	0.11218569	0.01502451	0.0804553	0.02203848
0.02407487	0.01852404	0.13231727	0.03456513	0.00193386	0.04646258	0.0089999	0.07378826	0.0074241
0.03562719	0.03116459	0.15371471	0.09775558	0.0026454	0.05748352	0.01096812	0.11190754	0.0142588
0.03837825	0.02029014	0.4477496	0.02293322	0.00390901	0.12445535	0.01904053	0.08731541	0.01162913
0.19406299	0.09163605	0.22987072	0.05335924	0.00034492	0.00813164	0.00046767	0.08731854	0.05355072
0.00679702	0.00308385	0.06971587	0.0531574	0.00023476	0.00080189	0.00030595	0.01032585	0.00085432
0.066822	0.04672107	0.13351891	0.05309034	0.00055973	0.04826804	0.00152945	0.32638089	0.08404714
0.00423536	0.00862923	0.00155449	7.5123E-05	0	0.0004501	0	0.00241047	0.00048985
0.11653351	0.06763506	0.22219231	0.16327643	0.00039335	0.01381246	0.00107045	0.07404585	0.01984087
0.00113881	0.01110444	0	-0.00063947	0	0	0	0	-0.00013945
0.02825929	0.0230198	0.30453523	0.05513517	0.00126803	0.03801646	0.00592501	0.05736103	0.01175504
0.06787182	0.03853737	0.04186466	0.02465374	0.00017718	0.00495366	0.00023344	0.07715212	0.02142102
0.00725097	0.00783696	0.00393536	0.00024118	0.00129255	0.00115739	-0.00026934	0.00099614	0.00154915
0.02665209	0.02497771	0.18683773	0.19579895	0.00035992	0.00485802	0.00053314	0.04831186	0.00484689
0.06486277	0.02628841	0.31882226	0.04201587	0.00042135	0.02349788	0.00057659	0.24003063	0.0794999
0.04100112	0.03120632	0.36270285	0.08212974	0.00101104	0.06333732	0.00554829	0.0323292	0.01276234
0.0711145	0.02926929	0.0269769	0.02093115	0.00017866	0.0039649	0.00025945	0.06836374	0.03327563
0.08465688	0.03706511	0.02927373	0.01616602	0.00028539	0.0033905	0.0004028	0.0877687	0.09187619
0.0222768	0.02058807	0.09433082	0.02321426	0.00049267	0.0387956	0.00387499	0.01935634	0.00839361
0.05717572	0.02685653	0.03494688	0.03514186	0	0.0016465	0.00038842	0.05139048	0.03095263
0.02655753	0.01530626	0.31503833	0.01394788	0.0010515	0.06131444	0.00563326	0.04193687	0.00716242
0.04168226	0.03325084	0.36936081	0.10792744	0.00114627	0.072435	0.00550844	0.03382813	0.01446842
0.0382651	0.02047238	0.39262206	0.04131623	0.00111198	0.06996365	0.00606092	0.04147624	0.00977037
0.02863544	0.01652146	0.28719495	0.05709122	0.00092467	0.05244279	0.00443339	0.02609984	0.00640516
0.05503148	0.03866329	0.26678017	0.04626624	0.14938713	0.13053997	0.65193548	0.30251894	0.01413572
0.02389593	0.02332195	0.22510769	0.02557703	0.00108308	0.03775419	0.00356107	0.02002155	0.00925004
0.03780851	0.03674811	0.02702137	0.01948934	0.0002391	0.00207124	0.00028772	0.03990202	0.01745829
0.0456026	0.03326161	0.39624237	0.10422586	0.0012542	0.07338502	0.00602441	0.03621546	0.0142411
0.03683781	0.01999318	0.33939488	0.08610353	0.00051053	0.06283599	0.00485644	0.03236063	0.00830288
0.0437384	0.0213463	0.37972594	0.02795032	0.00106712	0.07124886	0.00597495	0.04651214	0.01571048
0.00817507	0.005618	0.03959242	0.03605408	0.0001902	0.00044717	0.00025283	0.00793542	0.00191432
0.00703062	0.02463989	0.00171795	3.727E-05	0	0.00038462	0	0.00103955	0.00022758
0.01434241	0.03480481	0.00529379	0.00102684	0.00038934	0.0008458	0.00015434	0.0078343	0.00414848
0.06461514	0.03776068	0.03730246	0.0444729	0	0.00096842	0.00038152	0.04990455	0.02838364
0.0068649	0.00310381	0.07038447	0.05366478	0.00023476	0.00081144	0.00030595	0.01042533	0.00086449

0.03028525	0.02340209	0.28820111	0.0299145	0.00050051	0.06763695	0.00526752	0.0275119	0.01100932
0.02764747	0.0271662	0.17746012	0.17752407	0.00041345	0.0065115	0.00059685	0.04401525	0.00436907
0.01912359	0.05809643	0.0066723	0.00323147	0	0.00054386	0.00020119	0.01435227	0.00550903
0.0349814	0.02607869	0.28811183	0.09783838	0.00086633	0.05049858	0.00413726	0.02597934	0.01034366
0.02295818	0.01749171	0.09417611	0.00469658	0.14978093	0.08918734	0.4086139	0.12142089	0.00863864
0.09550416	0.05830378	0.06368132	0.06858076	0.00040409	0.00325164	0.00052827	0.07281546	0.03487339
0.00651999	0.00300272	0.12321279	0.11066002	0.0002009	0.00331645	0.00027816	0.01545139	0.00076554
0.04597436	0.01953333	0.01859835	0.0238032	0.00019357	0.00135232	0.00026663	0.05394093	0.05368393
0.00329828	0.01717456	0.00517322	0.00516552	0	0.00028643	0	0.0005009	0.00113132
0.00226831	0.00544268	0.00262806	0.00264532	0	0	0	0.00027958	0.00094599
0.22535599	0.07489593	0.08208925	0.08318494	0.00038722	0.00646537	0.00054896	0.14819941	0.1048504
0.00095443	0.00064889	0.00617325	0.01105808	0	0	0	0.00080637	0.00016234
0.0097663	0.01631546	0.00515877	0.00194065	0.00049274	0.00090322	6.3556E-05	0.00161204	0.00190353
0.0602405	0.05314306	0.01626075	0.01701785	0.00020576	0.00173223	0.00029111	0.05812584	0.06105492
0.00043909	0.00655299	0	5.0142E-05	0	0	0	0	0.00015951
7.6884E-05	0.00015959	0.00030524	0.00077378	0	0	0	7.9465E-05	8.1749E-05
0.00240509	0.00820454	0.00298421	0.00164781	0	0	0	0.00054075	0.00204752
0.00903691	0.00593695	0.05672819	0.04770101	0.00023014	0.0005415	0.0003086	0.01070807	0.0020172
0.00683777	0.00476971	0.03904258	0.0323697	0.00015681	0.00054204	0.00020904	0.00741793	0.0013647

MS	MO	NE	NH	NJ	NY	NC	ND	OH
0.01250884	0.40197951	0.0268772	0.00292513	0.03742964	0.12782505	0.22969057	0.06544707	2.16167972
0.06082597	0.90442094	0.02325893	0.00258186	0.02283173	0.083595	0.12483362	0.03279249	1.35197982
0.02331608	0.84746184	0.0273306	0.00542872	0.05614238	0.40939691	0.06583661	0.04688995	3.38169876
0.0377922	0.43353436	0.0131235	0.00323448	0.04764868	0.06259854	0.13612499	0.02445324	0.88550739
0.0583498	0.86765338	0.02231434	0.00247387	0.02191157	0.08019406	0.11975837	0.03146014	1.29621464
0.01683643	0.61251174	0.01973805	0.00392616	0.04056721	0.2634114	0.04756707	0.03387977	2.42731271
0.02905185	0.53626599	0.00739555	0.00149927	0.01022009	0.1141973	0.09374488	0.00508101	0.77096137
0.01549442	0.6188453	0.01505807	0.01061417	0.08865894	0.2724861	0.13224192	0.04456556	1.91407102
0.07261145	0.79135578	0.02099668	0.00234006	0.0230077	0.08093942	0.11419554	0.02963231	1.44692282
0.05739468	0.23324544	0.0088508	0.00176894	0.01042714	0.02848604	0.20450266	0.00759441	0.53681156
0.02121492	1.7800036	0.0150906	0.00180347	0.0108398	0.03847513	0.07357474	0.02462068	0.52974389
0.06135469	0.28262265	0.02133868	0.00260798	0.03330406	0.4159425	0.10820073	0.03529751	1.62089031
0.05886171	0.39150472	0.01430157	0.00662167	0.06717369	0.13868082	0.10171936	0.01852017	1.36612642
0.02449194	0.29975957	0.00810154	0.00142145	0.01113726	0.09796621	0.06268241	0.01558437	0.61956914
0.02809219	0.20404951	0.0096075	0.01302841	0.05975586	0.15270983	0.23597891	0.01983273	0.70388672
0.02689831	0.54993415	0.01816099	0.00243652	0.02634812	0.09461215	0.12159647	0.03539026	0.94347426
0.02556501	0.52258541	0.01725491	0.00231766	0.02503831	0.08990741	0.11554223	0.03362227	0.89654972
0.02455494	0.50188866	0.01657535	0.00222258	0.02405596	0.08635334	0.11096728	0.0322912	0.86104986
0.03670387	0.29400715	0.01395681	0.00383438	0.05077151	0.08449089	0.16077442	0.02410096	1.13187232
0.05478185	0.51870075	0.02095662	0.00232973	0.02056543	0.08630659	0.11243611	0.02953771	1.21732718
0.02511821	0.30738025	0.00817081	0.00145713	0.01140634	0.10043761	0.06424344	0.0159705	0.63574244
0.03329137	0.30399393	0.03074865	0.00412282	0.81868115	1.97451953	0.33139388	0.04938005	0.65889341
0.03045167	0.19913692	0.00989899	0.00118723	0.01056135	0.02680068	0.18365744	0.00714229	0.42019875
0.06540707	0.29944157	0.00908836	0.00222833	0.01531855	0.02826136	0.13563593	0.01504804	1.69673355
0.01856443	1.55633556	0.0131845	0.00158428	0.00948865	0.0336653	0.06438866	0.0215242	0.46306321
0.05145275	0.5130668	0.01798407	0.00497279	0.04879051	0.16304641	0.09130099	0.02694035	1.36298908
0.04025388	0.33332749	0.03026652	0.00435811	0.03640918	0.12463343	0.09184117	0.08286685	1.36686416
0.03304674	0.412323	0.01200154	0.00145503	0.00573673	0.0530119	0.07377652	0.01612067	0.5951845
0.04255906	0.40879299	0.01080021	0.00440681	0.03682749	0.17083246	0.10780735	0.013033	1.47834604
0.02448951	0.51315946	0.01507247	0.00129787	0.00762706	0.10560658	0.07029695	0.01904102	0.70856432
0.0354039	0.82064976	0.01908547	0.00202624	0.00797447	0.07540005	0.10128485	0.02846264	0.9767268
0.01938312	0.49627198	0.0096322	0.00130715	0.00638418	0.05257649	0.09623082	0.01214199	0.4987162
0.01839058	0.66860897	0.02155267	0.0042777	0.04428466	0.28811985	0.05193186	0.03698464	2.66163049
0.01658382	0.60289118	0.01943289	0.00386639	0.03993271	0.25979512	0.04682959	0.03335114	2.39989165
0.01317834	0.52630237	0.01280723	0.00903718	0.07539742	0.23174656	0.11247304	0.03790668	1.62791821
0.05719104	0.58390199	0.01647469	0.00507881	0.03989917	0.17251738	0.11717256	0.02345696	1.65815666
0.05497372	0.33423992	0.00836538	0.0020355	0.01601247	0.07749938	0.08809205	0.01728623	1.72147685
0.03756333	0.45784444	0.01161768	0.00408881	0.09638594	0.12301356	0.11417191	0.00859358	1.11653232
0.0216876	0.76034521	0.01930921	0.00434152	0.04908356	0.21896211	0.04666201	0.04002459	1.62616504
0.00618578	0.33465628	0.01805382	0.00440816	0.04622764	0.11280546	0.1376651	0.04728774	0.93276396
0.02881745	0.58911969	0.01945117	0.00260291	0.02823094	0.10135239	0.13025329	0.03789998	1.01071123
0.02250471	0.47318034	0.00570625	0.00114484	0.004497	0.04236046	0.0847198	0.00482305	0.4591924
0.05863445	0.47861775	0.01730105	0.00212027	0.0312336	0.12270301	0.10995445	0.02147866	1.41898571

0.03997233	0.82730166	0.02183862	0.00186553	0.00920647	0.09778433	0.10892092	0.02574084	0.9118581
0.02372644	0.34035116	0.00979905	0.0013785	0.01079268	0.05251815	0.09187243	0.04802962	0.58662929
0.02488826	0.50874865	0.01680187	0.00224635	0.02438341	0.08752761	0.11248314	0.03273827	0.87281022
0.03062368	0.37136184	0.0156332	0.00344969	0.02881167	0.10990413	0.08940439	0.03815008	1.21084313
0.03518555	0.4594789	0.01245489	0.00379796	0.05608397	0.09106621	0.16216523	0.02413872	1.17730295
0.0252354	0.18304979	0.00940102	0.01113721	0.04834325	0.12974613	0.2092175	0.01694028	0.61631918
0.01280948	0.19636411	0.0028775	0.00069395	0.00488831	0.02092258	0.04243245	0.06373384	0.65047584
0.06296453	0.51283098	0.01149291	0.00233923	0.0229631	0.0554769	0.10608034	0.0237578	1.70022147
0.06833876	0.31285955	0.00949163	0.00232469	0.01600515	0.02952274	0.14170495	0.01571956	1.77278186
0.02616651	0.46941651	0.0048781	0.0014336	0.00844988	0.11552763	0.0929203	0.0050058	0.77331765
0.02587796	0.37126034	0.01069154	0.00149741	0.01177539	0.05729784	0.10023496	0.05239896	0.63977982
0.01462462	0.359655	0.01421278	0.01001974	0.08365443	0.25712396	0.12478366	0.04205065	1.80620953
0.01781523	0.44137875	0.02089211	0.00414839	0.04291849	0.27923234	0.05033253	0.03584787	2.57973448
0.05705544	0.34687652	0.00868031	0.00210734	0.0166129	0.08042816	0.09141949	0.017937	1.78659615
0.02946792	1.72319917	0.0085923	0.00176746	0.013867	0.04413576	0.0697213	0.00444851	0.52869855
0.03055859	0.21460467	0.01160149	0.00593918	0.05742438	0.18556248	0.23755784	0.02902516	1.10370374
0.02802276	0.28517049	0.01880879	0.00807509	0.53613481	3.03906814	0.2766699	0.02820995	0.69850215
0.05047302	0.36126299	0.01160274	0.00114556	0.00777763	0.02507657	0.16428926	0.01034955	0.34517541
0.03881381	0.34320443	0.01590832	0.00242735	0.0286454	0.06516418	0.17050257	0.0287767	0.75375123
0.02652163	0.53027442	0.01300157	0.00164917	0.00487095	0.05400887	0.08987447	0.02070307	0.77249634
0.07002702	0.3205907	0.00973752	0.00238492	0.01639585	0.03025643	0.14521016	0.01610619	1.81650324
0.01642257	0.17511166	0.01455809	0.00525884	0.08633919	0.07069623	0.15304153	0.05106224	0.79364787
0.06534121	0.42854281	0.01397097	0.00142267	0.00826823	0.02810351	0.2154267	0.01263955	0.39306687
0.07093563	0.36524432	0.0101576	0.00246396	0.0169969	0.03356607	0.14839646	0.01889084	1.97938503
0.04613128	0.38707931	0.02443487	0.00252131	0.03718256	0.15989084	0.1360817	0.04433968	1.69406499
0.02093043	0.48501812	0.0240511	0.00454326	0.06254367	0.27157445	0.06973882	0.07084711	1.50736211
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.09515532	0.24231878	0.00685711	0.00419437	0.02059189	0.14851649	0.13756228	0.01773012	1.05181804
0.04427986	0.41328311	0.0245725	0.0025334	0.03489719	0.14596015	0.16686716	0.04458399	1.67275922
0.00576468	0.31684915	0.00748033	0.00230343	0.01132496	0.07327641	0.12351194	0.00774785	1.40832538
0.03803401	0.27025183	0.01125152	0.00199425	0.03127477	0.06640566	0.21079219	0.02833267	0.62347731
0.02291968	0.21153372	0.01491011	0.0178228	0.37428734	1.7840986	0.21265786	0.02308119	0.51921108
0.02350907	0.49392486	0.0146203	0.00123799	0.00730837	0.10166234	0.06744664	0.018268	0.68754904
0.01905867	0.20319789	0.0168925	0.00611355	0.10018198	0.08203641	0.17758992	0.0592509	0.92094888
0.0382989	0.44894526	0.01355116	0.00415187	0.04289772	0.15588107	0.07792078	0.02103493	1.34683884
0.04566507	0.67912229	0.01746382	0.00193346	0.01715387	0.06276683	0.09373209	0.02462497	1.01451943
0.03677132	0.24685142	0.01483557	0.00149398	0.02071276	0.11661447	0.21000822	0.02943912	0.7407135
0.03170358	0.7431566	0.01812768	0.00224045	0.02193808	0.10887953	0.11654156	0.02065534	0.74545283
0.05106233	0.52398121	0.01288488	0.00225266	0.03322098	0.1143588	0.09828314	0.01903663	1.58370879
0.03215255	0.25755872	0.01222695	0.00336115	0.04447871	0.07401527	0.14084666	0.02111761	0.99153654
0.06070351	0.36908437	0.00924129	0.00225102	0.01768432	0.0855819	0.09727411	0.01908603	1.90099652
0.03004193	0.28693542	0.00914362	0.0022252	0.01092947	0.05032301	0.12168219	0.01510891	1.66880143
0.02036517	0.42734427	0.00516386	0.00103934	0.00406962	0.03818672	0.07665555	0.00434612	0.41244493
0.0304829	0.63087385	0.01926518	0.00180993	0.00717357	0.0633835	0.16596492	0.01541706	0.70172727

0.01365947	0.41889469	0.01549816	0.01087533	0.0881259	0.24174875	0.13647508	0.02062802	2.07008122
0.0258668	0.47327436	0.01258225	0.00220041	0.02591978	0.09531193	0.1226502	0.0223087	0.7626173
0.03015902	0.22262877	0.02076299	0.02909122	0.50217509	1.97366803	0.1955295	0.03393398	0.82664717
0.02798256	0.51375172	0.01452756	0.00196341	0.0097194	0.11028705	0.13407532	0.02006412	0.80286025
0.00584554	0.27858766	0.01254664	0.00136821	0.017478	0.05968448	0.1072452	0.03055077	1.00930912
0.01908141	0.39196057	0.01857754	0.0045346	0.04007708	0.17155314	0.06514388	0.05376027	1.98916316
0.01651258	0.67939343	0.02480638	0.0035914	0.03881385	0.18523216	0.04428714	0.05742709	1.41502005
0.02828692	0.31292166	0.00859603	0.00210922	0.01035254	0.05609102	0.10294142	0.01601564	1.49511564
0.0295424	0.36124598	0.0097364	0.00169481	0.01335952	0.11786807	0.07526479	0.01872413	0.75028086
0.03560594	0.30418146	0.02366562	0.01142587	0.69471844	0.63137545	0.42275125	0.03581825	0.75440153
0.03822549	0.65869367	0.01144324	0.00175543	0.01208359	0.13113132	0.10787037	0.00443835	0.71114955
0.02000807	0.21340955	0.01773958	0.00641036	0.10519402	0.08615232	0.18651347	0.06222771	0.96717817
0.02129653	1.78013553	0.01502108	0.00181655	0.01090457	0.03861874	0.07391158	0.02455061	0.52906834
0.04465298	0.32994299	0.01644135	0.00286881	0.01268574	0.05418524	0.06935955	0.03521171	0.594634
0.02583624	0.45975584	0.00591514	0.00182558	0.01977881	0.07448093	0.21667304	0.00613148	0.5204937
0.02548027	0.4702002	0.01592943	0.00217462	0.02564066	0.0711442	0.12044078	0.03114333	0.74672443
0.04447549	0.30503799	0.02164298	0.00406352	0.03399934	0.11163132	0.10435239	0.04819742	1.25825711
0.0327677	0.31260097	0.01675006	0.01271952	0.9077404	1.23694699	0.23601859	0.02670092	0.71252225
0.06113522	0.77926035	0.01115835	0.00226725	0.02229083	0.0470455	0.10299291	0.02306622	1.65074204
0.06413512	0.33021214	0.00918317	0.00223671	0.0153737	0.03035333	0.13416885	0.01708106	1.78949508
0.00524747	0.66866013	0.0238074	0.00417698	0.05128179	0.2009278	0.07352254	0.07567459	1.49948437
0.01752118	0.76699575	0.01365237	0.00414847	0.04892261	0.13546857	0.06469716	0.01410136	1.92291311
0.02560358	0.4555909	0.00586601	0.00181342	0.01959967	0.06338477	0.21471908	0.00608056	0.51575332
0.03551224	0.49110141	0.01642511	0.00816032	0.08006773	0.17352967	0.17277141	0.03235551	1.08704441
0.0332302	1.9432663	0.00971285	0.00199785	0.01567747	0.04988213	0.0788323	0.00502885	0.5964979
0.0427703	0.27052605	0.01530868	0.00271392	0.00266496	0.1184838	0.13016545	0.03399799	1.16916871
0.0600838	0.40810137	0.0194726	0.00218202	0.023589	0.31682347	0.09099181	0.02566647	1.2051322
0.03898558	0.44408875	0.03378184	0.00511292	0.04189042	0.11469908	0.5785788	0.0610124	0.82561103
0.01378517	0.33922488	0.01339697	0.0094496	0.07890033	0.24252275	0.11769498	0.03965794	1.70364452
0.02634361	0.19768052	0.01141408	0.00172426	0.01525693	0.07138501	0.17987447	0.02355405	0.7505696
0.06106927	0.28171742	0.01286233	0.00139146	0.00275174	0.02541059	0.17301523	0.01204132	0.23705582
0.01552724	0.45417362	0.01343665	0.00410479	0.05049627	0.13718146	0.06806142	0.01389745	1.7657267
0.0892443	0.25088337	0.01663843	0.00225623	0.01773351	0.13733065	0.15689996	0.03248532	1.20750228
0.05238666	0.85283275	0.01320946	0.00231289	0.03408525	0.11732203	0.10082829	0.01952501	1.62472954
0.02001146	1.67517383	0.01415677	0.00170657	0.0102448	0.03630417	0.06946782	0.02312408	0.49810605
0.05281347	0.40323078	0.01158878	0.00204941	0.0240732	0.10810592	0.11548932	0.02229735	1.20508547
0.01901873	0.19368135	0.01276551	0.00545193	0.35541181	2.05407619	0.24084443	0.01915579	0.47300889
0.03734485	2.34386888	0.01155207	0.00206763	0.01625143	0.04941375	0.08722807	0.00513921	0.51926745
0.03808215	0.40423833	0.01562203	0.00710848	0.07226272	1.13431449	0.1173863	0.03025434	1.42350968
0.08914323	0.25059484	0.01661875	0.00225623	0.01770991	0.13717676	0.15672748	0.03244463	1.20612922
0.03029784	0.67036291	0.01744224	0.00159005	0.00624825	0.0599507	0.0822308	0.02627518	0.75435713
0.06982481	0.31967934	0.00970802	0.00237287	0.01634842	0.03017262	0.14479393	0.01606548	1.81145749
0.04381583	0.27045671	0.01652097	0.00333862	0.02981202	0.0764689	0.1985033	0.03272844	0.86683292
0.03881511	0.28654938	0.01894592	0.01886668	0.11249212	0.19170072	0.31940532	0.03740864	0.77514438

0.03493614	0.18901646	0.01135167	0.001968	0.00385992	0.1050541	0.10203996	0.02845022	1.54012117
0.01977164	0.224408	0.02074399	0.00898185	0.08221697	0.1132234	0.09601275	0.06425993	0.8806507
0.05685371	0.90569975	0.0138258	0.00242721	0.02382625	0.22651885	0.09808211	0.01635457	1.70809533
0.01816987	0.19379384	0.01611437	0.00582864	0.09554429	0.08854575	0.16937714	0.0565078	0.87835157
0.02967155	0.59371412	0.01457637	0.00183941	0.00544661	0.06052294	0.10053578	0.02316786	0.86641769
0.03010825	0.43703564	0.00701198	0.00123039	0.0097321	0.08225671	0.10612017	0.00418232	0.50453867
0.02041177	0.20795559	0.01370203	0.00584028	0.37904128	2.20324142	0.25852657	0.02056676	0.50801312
0.0206897	0.42808083	0.03300457	0.00443279	0.04147332	0.1204629	0.24621756	0.08707046	1.22516326
0.03159576	0.35859278	0.01369232	0.0015649	0.01402446	0.06939456	0.22414551	0.01874471	0.64925502
0.03134388	0.19954012	0.01602095	0.01216331	0.86849784	1.18337419	0.22579221	0.02554309	0.68166441
0.03689763	0.48616594	0.00625403	0.00188944	0.01483806	0.13685043	0.12353687	0.00645202	1.018755
0.01810572	1.43990297	0.01019204	0.00159334	0.0079025	0.02924834	0.02007203	0.01329103	0.50670063
0.02100997	1.83537152	0.01268638	0.00177672	0.00869426	0.03641587	0.02081026	0.01467681	0.46504758
0.04527131	0.81841542	0.01405905	0.00241579	0.01663274	0.19105294	0.13428085	0.01655617	1.27644666
0.0223173	0.03708124	0.00271166	0.00030457	0.00089714	0.0020661	0.01330318	0.00357536	0.074069
0.02104082	0.19574996	0.00683452	0.0055069	0.04529145	0.12762148	0.14898431	0.01177727	0.64536621
0.04839865	0.40558901	0.02001897	0.00287446	0.01273225	0.06240953	0.04125206	0.04141402	0.53373672
0.02486219	0.19006424	0.01077164	0.00163272	0.01602619	0.06710525	0.17699312	0.02362021	0.69511196
0.02364999	0.17960816	0.0153396	0.00135296	0.03173926	0.04489466	0.25281388	0.01813623	0.33165398
0.04483567	0.53379947	0.0133825	0.00626627	0.05330986	0.1612327	0.12667252	0.01736895	1.16549105
0.00571336	0.23700466	0.00926136	0.00227452	0.02464008	0.06858659	0.22299123	0.01342614	1.46360616
0.03657178	0.46762328	0.00620283	0.00188366	0.01474139	0.14095484	0.11934949	0.0064033	0.98313481
0.02133548	0.3632329	0.02831836	0.00691131	0.05432322	0.14326899	0.2560934	0.07805878	1.21876916
0.06001539	0.34646304	0.00996812	0.0012724	0.00621514	0.0455942	0.1705379	0.01878983	0.33803951
0.08394166	0.11577274	0.00640147	0.00196863	0.0135287	0.13744434	0.13543042	0.01490965	1.36475579
0.03273729	0.50802722	0.01507862	0.00206096	0.00812157	0.03088944	0.11990316	0.04857425	1.03142519
0.04758152	0.3052578	0.02073974	0.0038848	0.04199105	0.14724528	0.12857932	0.02964592	1.25136491
0.0145845	0.20247201	0.00978078	0.00106853	0.02319096	0.04600751	0.17894042	0.00824972	0.65700274
0.01549752	0.10720608	0.01307191	0.00738354	0.22413527	0.4822754	0.29716177	0.0207966	0.35647738
0.04141148	0.30045623	0.01463249	0.00452168	0.04442958	0.18887434	0.11063823	0.02084635	1.39129512
0.02050328	2.08032257	0.01032836	0.00178658	0.01078989	0.03622823	0.10984469	0.00612042	0.52679368
0.00250745	0.16980255	0.00406136	0.00100191	0.0107822	0.02831767	0.10841714	0.0067268	0.65228303
0.02994095	0.57309077	0.00797079	0.00159789	0.00942523	0.09231233	0.08389879	0.00958789	0.83315304
0.02913838	0.58284785	0.0142989	0.00180604	0.00535862	0.05939118	0.09874325	0.02275394	0.84969719
0.03071546	0.18437995	0.02587373	0.00656947	0.73242608	0.91360277	0.1930059	0.0407329	0.61962658
0.02265107	0.90795704	0.03306706	0.00448084	0.04852449	0.21378449	0.061015	0.07410109	1.79926835
0.03961776	0.91834425	0.0213476	0.00226807	0.00892895	0.08437171	0.11334914	0.03184585	1.09274913
0.03828096	0.2878338	0.01555797	0.02615859	0.12734569	0.2563924	0.24531571	0.02566477	0.78818667
0.02514595	0.1953508	0.02191624	0.00312418	0.08242427	0.07695534	0.13225781	0.04794441	0.84105888
0.0174953	0.44591929	0.01362735	0.00415312	0.04903135	0.13051182	0.09114566	0.01584627	1.7116175
0.02840086	0.28318686	0.02492052	0.00499688	0.54773402	1.13437929	0.25846968	0.04000794	0.63653068
0.04637979	0.53867446	0.01197091	0.00162519	0.01280248	0.06105506	0.11154241	0.00963469	0.5853383
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0.03453586	0.25441291	0.01008974	0.00204316	0.01807333	0.08880422	0.11045155	0.02258934	0.91283531
0.03509111	0.57464408	0.01493953	0.00261587	0.01028303	0.01986947	0.09819594	0.0331104	1.51834317
0.02669477	0.19701444	0.01836943	0.02574421	0.44305166	1.74553633	0.1730195	0.03003276	0.73126355
0.03573449	1.03314127	0.01645938	0.00204302	0.01002464	0.05387878	0.10074553	0.03424968	0.64308225
0.02341001	0.33481236	0.025185	0.04982316	0.17429312	0.69214788	0.15148051	0.0446464	0.54156192
0.00981623	0.33648185	0.01713601	0.00712498	0.06757448	0.13089255	0.26606802	0.0336007	1.06996016
0.02014812	0.17457366	0.01177254	0.00635906	0.19378975	0.11204738	0.22265902	0.03379387	0.70167508
0.06604626	0.46531834	0.00872174	0.00158932	0.01088435	0.02900227	0.16555205	0.00528854	0.40913584
0.02689917	0.20189698	0.01166028	0.00175994	0.01558456	0.07290996	0.1837084	0.02405196	0.76655439
0.02822305	0.26955578	0.00859245	0.0020936	0.01027064	0.04728178	0.11431466	0.01419384	1.56772892
0.0306507	0.70275635	0.01089976	0.00120355	0.00593157	0.02920679	0.08219307	0.0215466	0.48546236
0.02642485	0.24493584	0.00859753	0.00676809	0.14529327	0.21983327	0.12327704	0.0118138	0.86288301
0.06449129	0.30886946	0.01126914	0.00196281	0.00384852	0.10123733	0.11161273	0.02162718	0.90044327
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0.00867118	0.27383355	0.00847605	0.0010121	0.00399842	0.02693844	0.05737228	0.01517557	0.42219032
0.06873903	0.27916299	0.0241109	0.00409315	0.03228014	0.14548136	0.16718169	0.06734858	2.61960649
0.01691624	1.6361074	0.01628777	0.00171968	0.0103097	0.03649923	0.01937905	0.03436202	0.49783397
0.03464678	0.36778065	0.01421438	0.00646334	0.06574147	1.03199869	0.10679921	0.02751966	1.29511637
0.04244863	0.33210974	0.02162136	0.00725339	0.09497354	0.32334364	0.09937126	0.03662123	1.55499774
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0.02152478	2.18509383	0.01082964	0.00187149	0.01131415	0.03800148	0.11524681	0.00642588	0.55304322
0.03274541	0.39708888	0.01671611	0.00368842	0.03080759	0.117518	0.09559784	0.04079304	1.29473873
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0.05897079	0.77333496	0.01437812	0.00434121	0.01922658	0.08279238	0.12667556	0.01298647	0.9379889
0.02071449	0.28832595	0.01173819	0.00145712	0.01169927	0.06094132	0.06544446	0.07761328	0.53082961
0.00765555	0.11371091	0.00756661	0.00165272	0.00656794	0.03288304	0.14913139	0.00613537	0.44518225
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0.01748747	0.0995673	0.01487051	0.0668638	0.24544341	0.70373434	0.30886734	0.02531328	0.28423794
0.03512373	0.28490671	0.00898839	0.00220826	0.01083808	0.03343274	0.14062387	0.01487781	1.76144986
0.03583941	0.45607917	0.00607614	0.00182003	0.01443085	0.15423495	0.11555576	0.00626978	1.01573546
0.03232771	0.59985239	0.00930467	0.00224028	0.01781821	0.13719626	0.16640984	0.01730843	0.98060668
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0.03523704	0.1060847	0.00880666	0.00120112	0.03796686	0.06608212	0.21864058	0.01013103	0.27787559
0.01883931	0.67132845	0.01221045	0.00375176	0.04061531	0.14240896	0.0406786	0.04897294	1.27551043
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0.01368724	0.62858591	0.01183354	0.00362252	0.04803786	0.1209192	0.065433	0.01377507	1.45891659
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0.05887001	0.42139568	0.01329365	0.00132836	0.0090699	0.0292511	0.19162754	0.01207108	0.4026324
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0.0185173	0.17234735	0.01683328	0.00440962	0.11539744	0.10064534	0.10311908	0.04724863	0.69773035
0.03066779	0.17293519	0.02717981	0.00328361	0.55383144	0.9002811	0.2733076	0.04488489	0.58332776
0.02807444	0.19394075	0.01768398	0.03322988	0.36832439	1.62658035	0.14909313	0.04156156	0.71113999
0.01536519	0.60843383	0.01508965	0.00185318	0.0145838	0.08026611	0.05721687	0.03288075	0.84861355
0.02824231	0.56510956	0.01388321	0.00174967	0.00519144	0.05761692	0.09569343	0.02205644	0.82472004
0.01996298	0.32493528	0.00567115	0.00097762	0.00579351	0.0749933	0.05552648	0.00753152	0.4901414
0.00612603	0.31378676	0.01907273	0.00438217	0.04587516	0.10940033	0.14931476	0.04808208	0.91062948
0.02102813	1.41912732	0.01090095	0.00150485	0.00903035	0.03077397	0.07104895	0.01264658	0.44257358
0.03408366	0.7897973	0.01835416	0.00194598	0.00768032	0.07253958	0.09752615	0.02739954	0.93889874
0.09141507	0.30442334	0.00563839	0.00174545	0.00343906	0.01711853	0.12111308	0.01168586	0.70824049
0.0177238	0.20113758	0.01726399	0.00698518	0.15982914	0.138012	0.08108926	0.04160457	0.81622813
0.02652667	0.25810046	0.00859661	0.01931921	0.16262246	0.27778223	0.1487297	0.01632994	0.70029338
0.02949485	0.16560152	0.01960809	0.00946409	0.57540574	0.52294345	0.26716682	0.02967072	0.62483725
0.07806281	0.28851514	0.00522548	0.00162447	0.00318935	0.01585302	0.10272513	0.0121961	0.67238525
0.04711225	0.34712994	0.02355486	0.00345739	0.04253163	0.14429847	0.26978157	0.03592973	0.80473823
0.00576661	0.17207026	0.01119011	0.0013893	0.04361454	0.06134488	0.24756249	0.01739866	0.26528388
0.02582625	0.23795209	0.01680351	0.0201215	0.44411147	2.03746159	0.24037395	0.02597314	0.58832304
0.06350933	0.80216734	0.01622596	0.00183371	0.0089571	0.05540302	0.10972856	0.00764735	0.55895928
0.02666835	0.28165543	0.00866567	0.01746047	0.20062636	0.29094247	0.1486602	0.01490807	0.76533928
0.06001426	0.42375462	0.02668095	0.00205063	0.02613777	0.11379195	0.10744206	0.03451687	1.10774674
0.03012087	0.57215002	0.00920833	0.00223496	0.01758065	0.14232515	0.15814763	0.01716206	1.00625769
0.02404978	0.27093384	0.00939195	0.00561926	0.23785763	0.22470387	0.13977505	0.04354037	0.99211621
0.02968507	0.34816841	0.01615815	0.00141995	0.0154009	0.03717596	0.32181866	0.01913247	0.37025296
0.04690163	0.27573081	0.00869359	0.00133909	0.0117839	0.03367731	0.23787354	0.00786611	0.50994134
0.01631458	0.11812839	0.01089942	0.00122628	0.0312666	0.04254142	0.24632729	0.01437796	0.29224448
0.01340514	0.31712402	0.00888256	0.00122892	0.00607442	0.06621478	0.08355654	0.05999027	0.55531988
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0.06837425	0.15582502	0.00553063	0.00229347	0.02698371	0.08690513	0.18557354	0.00573564	1.21361293
0.03861762	0.80322198	0.02198698	0.00186811	0.00738304	0.09163869	0.10409883	0.02589067	0.90233835
0.09688132	0.15893031	0.00175653	0.00109735	0.00757086	0.01570117	0.15407066	0.00182558	0.31563174
0.03567392	0.26024984	0.0246847	0.00866137	0.15746886	0.12860716	0.38068188	0.04335428	0.74959564
0.02769027	0.17361205	0.01216416	0.00483978	0.12881958	0.09333543	0.1448307	0.03063718	0.88926289
0.02663688	0.29156393	0.01729285	0.00901011	0.39248498	0.56421429	0.13806635	0.01787481	0.65021133
0.09403909	0.13836127	0.00676989	0.00209362	0.01645853	0.12778679	0.1735197	0.01402519	1.06352869
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0.00477914	0.35926354	0.02017034	0.00188716	0.02777078	0.32420782	0.03587216	0.05126641	1.95472167
0.04162356	0.24244724	0.01353799	0.0012542	0.00985312	0.02668303	0.28498622	0.01181178	0.25642666

0.06080185	0.37883842	0.01042929	0.00214566	0.02526797	0.11222735	0.11487437	0.02160422	1.31136047
0.09782549	0.10910491	0.00724926	0.0010189	0.01007019	0.02101377	0.08704677	0.00426116	0.18156972
0.03581347	0.24256282	0.02064624	0.00956346	0.16671247	0.16579797	0.28229703	0.06059927	0.83007853
0.02602757	0.56109418	0.00676284	0.00205432	0.02219024	0.15730949	0.06724771	0.0104708	0.80385337
0.04046279	0.18169402	0.01092119	0.00134507	0.01454604	0.03276798	0.20761135	0.01358102	0.36675756
0.01802234	0.19199026	0.01500962	0.05709578	0.26937841	0.6484283	0.31526761	0.02721455	0.37087167
0.02320978	0.26230352	0.01474517	0.00119534	0.02700301	0.04644547	0.25448993	0.01218982	0.5722508
0.02383557	0.23581196	0.02175014	0.06378539	0.33726364	0.96913851	0.30407516	0.03599218	0.53625238
0.00719056	0.51459477	0.01247407	0.00173322	0.00509571	0.03015489	0.07709588	0.02587984	0.94394326
0.03021802	0.48591859	0.0146862	0.00201141	0.00790341	0.03137317	0.12431932	0.04561928	1.02366163
0.03304484	0.23448575	0.01754763	0.01779251	0.11158165	0.14443762	0.20512211	0.04082597	0.81017593
0.02260576	0.2033605	0.00699264	0.00122979	0.00842442	0.0310195	0.2115975	0.00827266	0.47018356
0.04166423	0.91051054	0.02031663	0.00203533	0.00801372	0.09219009	0.11964544	0.03318099	0.93622224
0.01931904	0.19466669	0.01448004	0.0052691	0.0829149	0.11210236	0.1455568	0.03140338	0.86563107
0.01810696	0.20087698	0.01895139	0.00601165	0.1303989	0.12449807	0.09877017	0.04551636	0.86926225
0.02267421	0.19641371	0.01324903	0.00714797	0.21802951	0.12606286	0.25050641	0.03801302	0.78941968
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0.02148572	0.36209516	0.03208023	0.0067965	0.09187005	0.08852821	0.7711664	0.07350515	0.58860423
0.01733819	0.18626013	0.01691742	0.00435458	0.11856133	0.11322204	0.07875924	0.04110291	0.77367695
0.01644243	0.21082726	0.01490022	0.09796034	0.31188328	0.36424368	0.19363958	0.02207969	0.3517059
0.0161044	1.51558833	0.014537	0.00163863	0.00804034	0.03635189	0.02831936	0.03021911	0.61327232
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0.03765863	0.76151402	0.01832843	0.00185245	0.00729915	0.08661753	0.10600259	0.02841529	0.77564535
0.02806578	0.30969119	0.01296388	0.01041048	0.1977105	0.22177967	0.14989526	0.04309206	0.8377882
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0.12778384	0.21639604	0.01776525	0.00434419	0.04699262	0.1244481	0.33715454	0.02571863	0.78309663
0.03180269	0.3622824	0.02755913	0.00417138	0.03417593	0.0935713	0.47198861	0.04977141	0.67351323
0.00891829	0.15496267	0.00867239	0.00152277	0.01047328	0.03352172	0.14927801	0.01411677	1.00731044
0.03407886	0.37058321	0.01742268	0.00431677	0.03176408	0.1638538	0.07760557	0.02889278	1.58497619
0.04303935	0.26249848	0.0180658	0.00337618	0.0350515	0.13937903	0.06481642	0.02575723	1.04579843
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0.02686102	0.51418521	0.00714317	0.00143219	0.00844659	0.08282198	0.07527551	0.00859253	0.74751379
0.05525826	0.39551388	0.01248273	0.00124305	0.00850745	0.02745606	0.1798479	0.01133764	0.37792388
0.02028115	0.23115808	0.01856743	0.02846879	0.22892456	0.59563926	0.26479733	0.02761768	0.46019815

0.02950295	0.25964855	0.02126484	0.00754174	0.21541301	0.12042518	0.34246729	0.0374197	0.58004959
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0.0653988	0.27763732	0.01424137	0.00134733	0.01195758	0.0327716	0.20301367	0.01135339	0.39384022
0.00333761	0.22890371	0.00649688	0.00133457	0.01312031	0.03571939	0.1559092	0.00897028	0.82731394
0.05806245	0.39583854	0.01057351	0.01090723	0.08354045	0.24525605	0.14214863	0.02740582	1.20976247
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0.02262442	0.22005659	0.00733765	0.0164758	0.13895113	0.23701463	0.12685843	0.01391852	0.59745594
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0.0672966	0.33021697	0.0174363	0.00160304	0.00631381	0.02916926	0.36960439	0.01519824	0.27528129
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0.03335224	0.39993647	0.00771694	0.0019016	0.00747222	0.02971613	0.15172014	0.02398454	1.0210945
0.00954117	0.18198331	0.01753319	0.00252117	0.01236919	0.04354	0.25734428	0.01493118	0.35378872
0.01941079	0.21119868	0.007274	0.00529649	0.08849126	0.1213646	0.19466202	0.01953056	0.77021826
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0.07258942	0.32857394	0.01593207	0.00140784	0.01242102	0.03490568	0.20976531	0.01179108	0.42886124
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0.02382418	0.29981762	0.01418592	0.00156385	0.02768699	0.0590054	0.23616659	0.01198491	0.89643783
0.01223956	0.25849458	0.01548712	0.00290449	0.01571691	0.04937199	0.26124435	0.01847018	0.40411157
0.03292845	0.54487986	0.02405885	0.00194677	0.00765888	0.13159671	0.12175112	0.04143578	0.88846697
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0.05833695	0.34435321	0.01803053	0.00167817	0.01814974	0.04730058	0.19021733	0.01575151	0.94006131
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0.02080151	0.33412231	0.02893462	0.01236261	0.10939981	0.16259965	0.75404348	0.05383954	0.58001569
0.02269955	0.3495	0.0119062	0.00103164	0.00509498	0.06254796	0.05727228	0.01933369	0.4451887
0.03982809	0.60988864	0.02152439	0.00176386	0.00866561	0.08987892	0.10164358	0.03566217	0.68466196
0.0384072	0.25051495	0.01866164	0.00165304	0.01457469	0.17534904	0.06963776	0.01795408	0.63327548
0.03836625	0.38071263	0.0101878	0.00412374	0.04260114	1.99419706	0.10679499	0.01228126	1.1854181
0.03992297	0.28392141	0.02544432	0.00724014	0.06588553	0.11029859	2.28687141	0.03089488	0.36638188
0.02330344	0.281618	0.0226694	0.06253063	0.21167779	0.47573336	0.17318903	0.03869758	0.47898846
0.01607375	0.17634736	0.01355387	0.00766056	0.23248632	0.50024232	0.2285512	0.02156985	0.36976591
0.04346594	0.27068085	0.01641241	0.00328298	0.02995418	0.08117403	0.12873906	0.03385659	0.92268568
0.05321353	0.17655872	0.01128554	0.00116263	0.01252774	0.02896551	0.13904672	0.01460841	0.28763439
0.05308034	0.46817038	0.0173697	0.00195096	0.00382103	0.02429225	0.11888999	0.04416378	0.98346334
0.0325296	0.62139387	0.01055465	0.00145807	0.00995212	0.08620425	0.09465369	0.00364568	0.54892343
0.03854884	0.39110281	0.01153183	0.00532627	0.04010042	0.15326046	0.11650126	0.01492329	1.2261348
0.03533635	0.34045771	0.017205	0.00139937	0.01371458	0.0315791	0.37936599	0.02133089	0.28879928
0.04450864	0.18438639	0.0162617	0.00493468	0.0258645	0.23269439	0.23052387	0.03079349	0.93023841
0.10596176	0.66455949	0.00800995	0.00167162	0.01148065	0.03905595	0.18010969	0.00554634	0.48960588
0.4800392	0.36067162	0.01761655	0.0015238	0.02395102	0.04788237	0.18884976	0.01428847	0.45316848
0.02000196	0.45089432	0.01458009	0.00298867	0.02497546	0.06934571	0.47682075	0.01887214	0.36780883
0.07492331	0.25385683	0.0050195	0.00156249	0.00306781	0.01713836	0.11470184	0.01691255	0.64417123
0.01918569	0.12025495	0.01751031	0.0513476	0.27173392	0.78073808	0.32912081	0.02897276	0.4317678
0.02262618	0.17453814	0.02074607	0.02363658	0.30159534	0.5739302	0.1675442	0.0415481	0.66215752
0.05904629	0.43293318	0.01644591	0.00097345	0.00669132	0.01921415	0.07851917	0.00651838	0.24296622
0.01548431	0.42581378	0.00903288	0.00185597	0.00546896	0.02888593	0.11597188	0.02026171	0.99425199
0.0175164	0.23532495	0.0109503	0.06300985	0.13704057	0.71246254	0.11277448	0.02015844	0.58763194
0.03126803	0.3634759	0.01976025	0.00374084	0.03309873	0.13111866	0.23449719	0.0409122	1.40299614
0.01784509	0.18346537	0.01041422	0.00283607	0.02233074	0.05736739	0.23340539	0.00957605	0.31423928
0.02052227	0.14604027	0.0153077	0.0283519	0.26911905	1.08333993	0.26553149	0.01943401	0.54015774
0.02081094	0.46919693	0.01516998	0.00310966	0.02598587	0.07215847	0.49617666	0.01963558	0.38274016
0.32709829	0.21923117	0.00191511	0.00118626	0.02103092	0.04700686	0.13797087	0.00297554	0.32656583
0.04387073	0.3725897	0.01512317	0.00170247	0.00167187	0.0178621	0.09574023	0.03989199	0.77852816
0.04069696	0.32517319	0.01919449	0.00147352	0.01303079	0.0343279	0.39817785	0.0173828	0.3686019

0.19350167	0.13335083	0.00281492	0.00118958	0.00928222	0.02906848	0.16406249	0.00292856	0.25898665
0.02407488	0.14840911	0.01226168	0.00547304	0.04440994	0.0836004	0.82342545	0.0173121	0.27781545
0.04837171	0.20213977	0.01061974	0.00745326	0.04579221	0.32033656	0.13257481	0.01099163	1.01538221
0.03497737	0.29844988	0.02413989	0.01205103	0.40705317	0.51836819	0.24376582	0.04693089	0.63132527
0.02579913	0.30824828	0.01937452	0.00140603	0.01932406	0.04030874	0.22558873	0.02124764	0.28177327
0.0302228	0.24566007	0.00588001	0.00120836	0.01182527	0.03709574	0.21703174	0.00506852	0.47500197
0.01450471	0.24020872	0.01279144	0.07039723	0.1271581	0.49082961	0.11541806	0.02124563	0.49652308
0.01794959	0.34609079	0.02679348	0.00567487	0.05585174	0.06288568	0.75455206	0.05056735	0.55959449
0.0374946	0.1898875	0.01324261	0.00136578	0.01613885	0.03524682	0.23724501	0.01487334	0.32100858
0.13273711	0.19885382	0.00795723	0.00141479	0.00276605	0.01728557	0.14870341	0.01767512	0.49227092
0.16241255	0.31200134	0.01234387	0.00118744	0.0209059	0.0380093	0.07715659	0.00394401	0.23614024
0.0206959	0.21825448	0.01375759	0.00261389	0.02828424	0.06229719	0.46934058	0.01754716	0.32901133
0.06680345	0.34628616	0.01109342	0.00106819	0.00732491	0.01602815	0.10038314	0.00797198	0.21368189
0.04125348	0.38477897	0.0093473	0.00083992	0.0041357	0.01036135	0.05349184	0.0063353	0.16154922
0.113369	0.19221437	0.00241551	0.00150718	0.00592858	0.01914005	0.16880076	0.0025073	0.52859483
0.01383563	0.31477491	0.01533579	0.00958079	0.08696204	0.25820842	0.13813296	0.03980536	1.3200207
0.13497407	0.16862455	0.00707579	0.00121629	0.01312534	0.03817448	0.09970017	0.01354584	0.25125262
0.02270508	0.42013262	0.02209196	0.45419273	0.21581722	0.50008561	0.05746463	0.0322624	0.52122655
0.01996531	0.42091645	0.01102448	0.00125	0.00618638	0.06750325	0.07806264	0.01167901	0.50053813
0.0223256	0.30009732	0.01360814	0.00164362	0.01456424	0.04632981	0.30364678	0.01965519	0.88840138
0.01396549	0.13171505	0.01165282	0.00354312	0.08711489	0.07147649	0.11807202	0.02910101	0.55466271
0.08295933	0.19501384	0.00551501	0.00098623	0.0077754	0.01705964	0.12341817	0.00409984	0.18708423
0.00367881	0.22362328	0.01793808	0.01602585	0.11607175	0.13488857	0.18207331	0.04448461	0.657191
0.17530166	0.09659411	0.00188366	0.00118639	0.00582954	0.01330725	0.16545889	0.00392746	0.213291
0.02486337	0.1574898	0.01148692	0.00460956	0.03627073	0.07035189	1.51656698	0.01184401	0.2603296
0.01866842	0.14994845	0.01270094	0.00111438	0.02855765	0.03982187	0.21836068	0.01503623	0.27323898
0.16684652	0.18188927	0.00189383	0.00118419	0.00932837	0.02535854	0.1642625	0.00294758	0.26801222
0.01480052	0.16028836	0.01663925	0.0053771	0.05153325	0.08069592	0.93227677	0.02519662	0.33873637
0.05447821	0.23283923	0.01046422	0.00088478	0.00519658	0.01110474	0.06360556	0.00659633	0.13720612
0.27481647	0.15695836	0.00192394	0.0012047	0.01300162	0.03101069	0.16304843	0.00299751	0.25151695
0.02739143	0.17456439	0.02003429	0.00643513	0.05228335	0.08613596	1.55403216	0.02755334	0.35033131
0.00841621	0.14435475	0.00717671	0.16658713	0.18952946	0.42784711	0.13659337	0.01799244	0.23224718
0.08699004	0.30444973	0.00608624	0.00109349	0.00854706	0.02090578	0.12536433	0.00542377	0.2325392
0.083572	0.18537855	0.00785177	0.00131552	0.00775243	0.03082482	0.0991707	0.00689945	0.51625889
0.04992495	0.29875886	0.02497659	0.00300622	0.03249134	0.07996928	0.6452251	0.03862553	0.87580841
0.01195343	0.16551347	0.00845421	0.0039002	0.02173892	0.05937661	0.25714305	0.00875499	0.28266255
0.01816716	0.44265842	0.01767392	0.00144638	0.01844333	0.03748817	0.44130962	0.01949561	0.40737183
0.01978376	0.22849615	0.01666864	0.08709754	0.39192242	0.50783828	0.37035044	0.02656649	0.40921859
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0.04720084	0.3292081	0.02585033	0.00316859	0.05479444	0.07949828	0.88873624	0.03208127	0.51275806
0.00596934	0.17833634	0.01391011	0.00143949	0.0211986	0.0387684	0.2259483	0.01682994	0.27318373
0.04325732	0.33507016	0.02235721	0.00644339	0.08700152	0.10324308	1.10994554	0.03129632	0.44908546
0.01935867	0.25266529	0.02560498	0.00490751	0.05304803	0.10204675	0.69832867	0.02365522	0.54996631
0.09339354	0.56451445	0.00851985	0.00134061	0.00655214	0.02074647	0.14362908	0.00663769	0.3129785

0.18984196	0.44837504	0.00754792	0.0017844	0.01758659	0.0346271	0.09182472	0.00931022	0.29877282
0.09842526	0.18606721	0.00559386	0.00119078	0.00818948	0.01685187	0.12192606	0.00292184	0.17749518
0.02509006	0.16105833	0.02310534	0.01311972	0.38107082	1.11328682	0.31126737	0.03506463	0.63766777
0.05452451	0.74923315	0.01805965	0.00189696	0.01298495	0.06078311	0.14963908	0.03761487	0.54268279
0.01799557	0.14216424	0.00817997	0.00425412	0.09481928	0.1159863	0.14760068	0.02172548	0.69016888
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0.02259735	0.4211104	0.03628759	0.00313018	0.04468308	0.03391613	0.71574813	0.06419494	0.67380793
0.0976312	0.32210617	0.00704569	0.0012701	0.00993015	0.02326167	0.15475663	0.00523202	0.28435306
0.0650118	0.41992968	0.05320456	0.00137074	0.00402723	0.03148973	0.15662907	0.01836788	0.43482986
0.01988664	0.15812593	0.01808034	0.00628156	0.05248847	0.07613736	1.2007832	0.02801182	0.34308667
0.29138731	0.21721339	0.00990031	0.0010789	0.01280003	0.02945953	0.08608349	0.0148515	0.18085268
0.04136334	0.3440459	0.02819519	0.00105426	0.00307976	0.03035462	0.10597452	0.01833668	0.31421677
0.04262188	0.18440712	0.14378172	0.00074989	0.00514535	0.01602351	0.03763119	0.00869264	0.1729069
0.01842538	0.35906235	0.01796161	0.0050107	0.09359375	0.15333557	0.4246978	0.0256597	0.72042774
0.17734187	0.41883731	0.00704473	0.00166777	0.01642564	0.03234719	0.08577632	0.00869157	0.27909208
0.01217321	0.21308984	0.01538013	0.00435744	0.12195427	0.20952711	0.10118732	0.060032	0.5626205
0.03262418	0.17609321	0.01854719	0.00963291	0.21226133	0.23502847	0.38599719	0.04513361	0.60921637
0.00415212	0.28088329	0.00808364	0.2719793	0.1212602	0.36011532	0.0329293	0.01084459	0.28085899
0.01886351	0.35434482	0.01842944	0.00470663	0.08025964	0.14737305	0.2705058	0.02980529	0.79670354
0.01264281	0.14433189	0.01249193	0.00041269	0.00201476	0.0277602	0.04115487	0.00412387	0.17349509
0.03836394	0.19689064	0.00860317	0.00117283	0.00924221	0.03028238	0.1600079	0.00890609	0.39324963
0.01819266	0.31794923	0.01268482	0.00152129	0.01046202	0.02655765	0.36766226	0.0143766	0.26637521
0.01032827	0.15585054	0.00704609	0.07717914	0.15916832	0.43676866	0.25734139	0.0259923	0.25770124
0.03622424	0.14963649	0.00365397	0.00069604	0.00406932	0.02012158	0.09181264	0.00392979	0.18617806
0.01745667	0.19184623	0.01510084	0.00115418	0.02154426	0.05299327	0.25844042	0.01756801	0.5952648
0.02510096	0.17698978	0.01629874	0.00849582	0.36887977	0.5312444	0.1300881	0.01683775	0.61257399
0.01201718	0.25964135	0.01868035	0.00144714	0.01985996	0.04104003	0.23039765	0.01814852	0.2736149
0.39018879	0.11451331	0.00495204	0.00122966	0.01444143	0.03697967	0.13591037	0.00307604	0.33956942
0.01340441	0.10579274	0.01195128	0.04521487	0.23384028	0.42952697	0.33934659	0.02135496	0.33341857
0.05858445	0.3347536	0.02772652	0.00357848	0.03695722	0.12603167	0.24899638	0.04226606	0.92485441
0.01485128	0.10770638	0.0150084	0.00049424	0.001931	0.03271714	0.05176924	0.00498589	0.22201688
0.07689857	0.08957183	0.00560942	0.00079867	0.00782425	0.01723501	0.06810098	0.00332361	0.14523211
0.03233781	0.21475807	0.02179886	0.00441894	0.05941963	0.08366468	1.37241593	0.03128858	0.36388076
0.01402898	0.23227665	0.01236931	0.06807608	0.12296456	0.47463152	0.11161459	0.02055239	0.48013342
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0.01548064	0.24692103	0.02077361	0.20887519	0.27032276	0.32964012	0.08817379	0.0539734	0.29128228
0.20580612	0.45304389	0.00782499	0.00155825	0.01692212	0.03249967	0.08252726	0.00806227	0.52511787
0.045254	0.52474333	0.01009194	0.00090807	0.00443659	0.011298	0.06062272	0.00683065	0.19517801
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0.02160961	0.25610213	0.01654097	0.00182396	0.01075357	0.0440196	0.18242035	0.02329569	1.17776838
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0.02071301	0.1455113	0.01321068	0.00187265	0.0156425	0.01675572	0.16165347	0.0184368	0.13558988
0.00078859	0.01109329	0.01182122	0	0	0	0.0003315	0.21673343	0.00028334
0.01859865	0.56003658	0.01448135	0.34846729	0.1622908	0.42395904	0.07229309	0.02619382	0.59595617
0.00151756	0.13121623	0.0044307	0.08606861	0.09109868	0.21151088	0.03241206	0.00866907	0.09118327
0.01830989	0.19373332	0.01683149	0.00084458	0.00412605	0.0610588	0.08258754	0.0212581	0.42666178
0.00018294	0.00039921	0	0	0	0	0	0	0
0.00721198	0.12879886	0.00778325	0.00481203	0.03214993	0.04469381	0.19842375	0.01048907	0.18618042
0.00048566	0.0057628	0.16383279	-6.3702E-05	-2.9939E-05	0.00256903	0.0012397	0.04326082	0.00833611
0.00010748	0.00100539	0.0085706	0	0	0	0	0.03544834	0.0001434

0.02733281	0.14555097	0.01203499	0.00208016	0.01530971	0.02528088	0.16976481	0.01862503	0.17729428
0.02031133	0.16941396	0.02800081	0.00100527	0.00689629	0.05052466	0.08301755	0.04852099	0.44732129
0.00181655	0.02264474	0.05809093	0	0	0.00043635	0.00067303	0.02969033	0.00226488
0.06225251	0.58348407	0.04114149	0.00103678	0.00306561	0.01085238	0.01459641	0.03221277	0.10349873
0.01814837	0.16658152	0.0144017	0.00200148	0.02062697	0.0198384	0.2035303	0.01911456	0.11251955
0.01140431	0.07329016	0.18873622	0	0.00046192	0.00729539	0.00166344	0.27880014	0.08596976
0.03321209	0.13780789	0.01613301	0.00421356	0.02685672	0.04660363	0.17100395	0.01936322	0.21655151
0.00786812	0.19452291	0.01142907	0.0057612	0.04708961	0.05257676	0.29350401	0.01823027	0.18373908
0.02814319	0.20088253	0.01907137	0.00157044	0.02784088	0.02278758	0.23925801	0.02701186	0.142303
0.03823775	0.20831683	0.02385781	0.00439819	0.05394395	0.05962098	0.33037516	0.03300268	0.21631107
0.0130762	0.11963257	0.01029955	0.00296751	0.02039681	0.03044118	0.21043187	0.01398482	0.15188514
0.03160837	0.12946918	0.01614888	0.00401596	0.02660299	0.04536908	0.1617335	0.01842036	0.19970341
0.00493844	0.19455721	0.01118517	0.00597355	0.05083194	0.06278548	0.31962476	0.01824221	0.24286389
0.01084766	0.29531213	0.09615646	0.00052582	0.00153638	0.01422702	0.02085469	0.02406906	0.22792064
0.01330816	0.05433181	0.00165547	0	0.0003258	0.00044263	0.00283103	0.00113739	0.02836485
0.02089475	0.15681673	0.01150036	0.00083671	0.00574116	0.05720537	0.06088969	0.01261475	0.33691667
0.00019497	8.9179E-05	0.17454065	0	-0.00051746	0.00242139	0.00062814	0.00217835	0.00493031
0.03134692	0.09973447	0.21752148	0.00057759	0.00344179	0.01631937	0.02769826	0.05405158	0.28369847
5.7935E-05	-0.00094822	0.30954591	0	0	0	0	-0.00058415	0
0.02331521	0.13181861	0.01059809	0.0018463	0.01451071	0.02372053	0.15930468	0.01642405	0.38899434
0.00241799	0.14121495	0.04683152	0.00026822	0.00077805	0.0114971	0.00195094	0.096318	0.12746661
0.00023226	0.00015213	0.10485697	-0.00081784	-0.00070474	0.00312226	0.00160254	0.02415349	0.00369129
0.04792618	0.15649363	0.01202984	0.00059398	0.00117524	0.00625153	0.0074761	0.01256658	0.13114082
0.01359345	0.19916858	0.0119809	0.0006311	0.00246753	0.0339178	0.08159422	0.00842075	0.81230438
0.01455556	0.19545892	0.01720746	0.00151913	0.02463422	0.02163514	0.2344067	0.02420661	0.45291469
0.0023613	0.08867248	0.04080981	0.00028782	0.00057619	0.00974744	0.0016535	0.52998726	0.11181
0.00217682	0.09592047	0.03665037	0.00044403	0.00043553	0.01231967	0.00159756	0.13869806	0.12711524
0.01786564	0.10442759	0.0098706	0.00139924	0.01375893	0.01390411	0.12129852	0.01377494	0.1031617
0.00876985	0.0718006	0.13266509	0	0.0004178	0.00753252	0.00125202	0.34390933	0.0855085
0.00387115	0.13917867	0.00817593	0.00153734	0.02187853	0.02505049	0.19602582	0.01299921	0.44842914
0.02367147	0.19322146	0.01742111	0.00172828	0.02796614	0.02393037	0.24250738	0.0238334	0.50432996
0.00968859	0.19048523	0.01210047	0.00166059	0.02769443	0.02533054	0.28885603	0.02019902	0.50617277
0.01327926	0.14214203	0.00954423	0.00138251	0.02040539	0.01810405	0.1941419	0.01510933	0.37828649
0.01214625	0.40651041	0.00996423	0.56762481	0.13119936	0.27552529	0.05863766	0.01504719	0.28579561
0.0190191	0.11506269	0.01087351	0.0015443	0.01366455	0.01424476	0.12929841	0.01516936	0.10422915
0.00428934	0.03953519	0.20475859	0.0003048	0.00029012	0.007979	0.001759	0.06564393	0.0786344
0.01725594	0.21034581	0.01828902	0.00188314	0.0286841	0.02508617	0.26267116	0.02684335	0.52730024
0.02026872	0.1770784	0.01292462	0.00151697	0.02388696	0.01841256	0.25687527	0.02040514	0.45531408
0.00947472	0.20474374	0.01313374	0.00164733	0.02985209	0.0241129	0.2566027	0.01909648	0.13650711
0.00829549	0.04288758	0.0030023	0	0.00027028	0.00054288	0.00085563	0.00501196	0.01725739
0.00014828	-0.00029945	0.07704363	0	0	0.00108918	0.00054954	0.00891085	0.00208744
0.0004524	0.00902283	0.11537297	7.1808E-05	8.8825E-05	0.00345179	0.00063493	0.03126206	0.0161892
0.01039147	0.06678986	0.17203461	0	0.00041328	0.00664448	0.00152115	0.25405302	0.07834723
0.01343942	0.05485525	0.00167518	0	0.00032579	0.00045053	0.00284936	0.00114754	0.02863978

0.02064399	0.12794457	0.01183986	0.00142411	0.02387106	0.02123898	0.19178138	0.01832743	0.40356786
0.04384265	0.12844091	0.01308468	0.00066126	0.00195616	0.00648982	0.01514064	0.01309087	0.16929544
0.00036222	0.01824978	0.06470408	0	0.00020974	0.00259184	0.0003503	0.02886189	0.02351525
0.01888388	0.16724492	0.01468298	0.00129938	0.01972704	0.01727542	0.18897682	0.02064072	0.36600046
0.00171814	0.12902555	0.00500844	0.08750463	0.16737957	0.21419036	0.07803626	0.00574625	0.12547304
0.01629009	0.1102984	0.33586253	0.00058675	0.00056519	0.01202889	0.00355442	0.29299373	0.13733663
0.02638825	0.0543506	0.00197432	0.0003053	0.0008991	0.00205684	0.01216067	0.0015283	0.08362065
0.00480531	0.04040523	0.04130493	0.00029229	0.000287	0.00746036	0.00063875	0.17156083	0.07562731
0.00116942	0.01167847	0.04410526	0	0	0	0.00032577	0.10185015	0.00104518
0.00075645	0.0054815	0.01504906	0	0	0	0	0.03434733	0.00030337
0.01789307	0.16613541	0.19982841	0.00060576	0.00118809	0.02214956	0.00568581	0.16523443	0.2458479
0.00164361	0.01099719	0.00015799	0	0	0	0.00014848	0.0003344	0.00063985
0.00061076	0.00553955	0.13754876	-8.7163E-05	-5.6086E-05	0.00172142	0.00144589	0.03160616	0.00583411
0.00345281	0.06181027	0.04735013	0.00032108	0.0003149	0.00784821	0.00070452	0.12626096	0.07946032
0	-1.7391E-05	0.22226214	0	0	0	0	0.00045363	0
0.00016199	0.00061499	7.8502E-05	0	0	0	0	8.1592E-05	7.8136E-05
0.00045268	0.00104443	0.01932003	0	0	0	0.00049218	0.05199088	0.00091968
0.01088542	0.05216196	0.00306979	0.00033615	0.00033047	0.00065364	0.00154297	0.00547205	0.02498912
0.00811442	0.03536194	0.00263769	0	0.0002236	0.00044084	0.00121859	0.00388411	0.01799919

OK	PA	RI	SC	SD	TN	TX	VT	VA
0.0487732	2.51067762	0.0024789	0.10029966	0.00493567	0.29229874	0.07541938	0.00248475	0.35598836
0.08230337	0.36797967	0.00214894	0.03457626	0.00855279	0.32970769	0.17889383	0.00215461	0.13315385
0.07956691	1.84984597	0.00461801	0.03192638	0.00689685	0.16667028	0.16102259	0.00462864	0.14702055
0.03927253	0.95620016	0.00132931	0.06751446	0.00530914	0.29661065	0.07310117	0.001333	0.25522548
0.07895518	0.35293481	0.00205898	0.03317177	0.0082047	0.6373147	0.17161789	0.00206442	0.12773995
0.05748065	1.33271706	0.00333856	0.02307386	0.00497602	0.21262749	0.11634312	0.00334626	0.10620677
0.04913917	0.23252465	0.00125941	0.08570501	0.00249697	0.48920351	0.19287494	0.00126256	0.12242477
0.04721997	0.91403469	0.00656655	0.03535327	0.00653174	0.24598033	0.07062421	0.00438997	0.32306122
0.06858334	0.35428098	0.00193901	0.06048842	0.00771626	0.90920617	0.15197848	0.00194427	0.12877307
0.00883403	0.15337788	0.00149934	0.31218568	0.00149265	0.40311103	0.02642923	0.00150287	0.09089736
0.01986835	0.19566598	0.00150919	0.0588511	0.00356856	0.34769216	0.02450832	0.00151353	0.04924121
0.05109755	0.56674904	0.00216892	0.05583995	0.00647409	0.34636089	0.10191106	0.00217468	0.16193856
0.06243205	1.08152207	0.00363809	0.04113205	0.00542825	0.3808793	0.12451051	0.00364827	0.22734214
0.04059139	0.19928326	0.00118943	0.03555091	0.00345155	0.2738089	0.26193742	0.00119247	0.08666833
0.02606319	2.05093741	0.00556767	0.1836328	0.00415068	0.3139858	0.05342392	0.00558009	0.46456087
0.02214488	0.36249625	0.00204905	0.11376538	0.00407887	0.75577717	0.06828801	0.00205413	0.10138029
0.02104402	0.34446431	0.00194909	0.10810487	0.00386995	0.71818951	0.06489567	0.00195393	0.0963397
0.02021838	0.33082793	0.00186913	0.10383281	0.00372073	0.68975257	0.0623269	0.00187377	0.09252716
0.03713728	0.95951147	0.00157917	0.07816794	0.00314157	0.14454327	0.06634821	0.0015836	0.29002696
0.07412492	0.33140195	0.00193904	0.03114461	0.0076975	0.29693022	0.16113136	0.00194416	0.11993373
0.04161355	0.20442992	0.00121942	0.03643755	0.00354109	0.28065811	0.26850595	0.00122253	0.08883056
0.04264009	1.0475662	0.0017292	0.37065793	0.01208753	0.34554765	0.08506712	0.00173348	0.39863487
0.00493479	0.13494112	0.00099954	0.30361017	0.00199971	0.27851386	0.01773871	0.001002	0.08386458
0.01088438	0.12727693	0.00184907	0.14093321	0.00183966	0.57760248	0.04161814	0.00185404	0.07733562
0.01736869	0.17110866	0.00132928	0.05150616	0.00310135	0.30403826	0.02760929	0.00133311	0.0430881
0.08769034	0.47145227	0.00202889	0.07249108	0.00404533	0.38519806	0.19473452	0.00407964	0.13571997
0.04619006	1.47506193	0.00180909	0.0388628	0.00539974	0.33944281	0.08504272	0.00181394	0.19263203
0.06366823	0.30923392	0.00121942	0.06166731	0.00363078	0.48083365	0.29465272	0.00122251	0.08410263
0.06288475	0.56954672	0.00182908	0.05896276	0.00363959	0.35911528	0.16126344	0.00366798	0.13153805
0.04235989	0.2157223	0.00110954	0.05980121	0.00432988	0.4264642	0.16392119	0.00111201	0.07862686
0.0467598	0.22163299	0.00175934	0.07407313	0.00699098	0.6360337	0.18666475	0.00176284	0.104849
0.05360884	0.13719611	0.00109949	0.05859768	0.00215883	0.3912709	0.20830061	0.00110221	0.08740456
0.06275713	1.45789576	0.00363843	0.02518725	0.00543386	0.13139764	0.12702917	0.00364681	0.11597195
0.05659654	1.31456581	0.00328858	0.02271002	0.00490639	0.20931653	0.11454025	0.00329616	0.10457103
0.04015905	0.7773722	0.00558707	0.03006586	0.00555745	0.20919877	0.06006288	0.00372847	0.27475604
0.07805934	0.39323043	0.00208891	0.09470204	0.00416571	0.52124523	0.18436265	0.00419949	0.15561002
0.0100175	0.28491693	0.00169917	0.08923075	0.00169083	0.46346043	0.02830846	0.00170358	0.08067121
0.03973643	1.29808965	0.00335823	0.0563567	0.00335035	0.44986745	0.05778281	0.00337768	0.2459089
0.0648147	0.65276908	0.0035681	0.030819	0.00532834	0.27653174	0.14148601	0.00357824	0.10017398
0.02882462	0.65796075	0.00244879	0.06692776	0.00486312	0.16396759	0.04073221	0.00245526	0.25855809
0.02372736	0.38832718	0.00218898	0.12187161	0.00436738	0.80963373	0.07315102	0.00219441	0.10860215
0.04287766	0.23180543	0.00096957	0.05697896	0.00191054	0.38769004	0.15364297	0.00097187	0.07412707
0.07250891	0.48397458	0.00175911	0.05289769	0.00525046	0.30562335	0.16700748	0.00176385	0.11838398

0.0405053	0.29270249	0.0015793	0.07593777	0.00629874	0.70143016	0.18342636	0.00158305	0.1121868
0.0395135	0.13887405	0.00115946	0.04443753	0.00551148	0.32653197	0.24091964	0.00116233	0.09949198
0.0204936	0.33534393	0.00188912	0.10525326	0.00377047	0.69917382	0.06317008	0.00189381	0.0937919
0.02977782	1.03730635	0.00143931	0.03861146	0.0028747	0.27073427	0.05233722	0.00144298	0.18342617
0.03572394	1.21608441	0.00157921	0.07977583	0.00314256	0.31143962	0.06196479	0.00158341	0.29677959
0.0258191	1.96295638	0.00476802	0.15560414	0.00355354	0.15793941	0.05154241	0.00597074	0.36465771
0.02320333	0.15766835	0.00060974	0.01872935	0.00226902	0.13923819	0.09965502	0.00061115	0.06508931
0.01338335	0.2831266	0.00194904	0.09809954	0.00386878	0.57078777	0.03241477	0.00195416	0.0887417
0.01137511	0.13298094	0.00192903	0.14724695	0.00191921	0.60348492	0.04347785	0.00193422	0.08079141
0.03654527	0.24951539	0.00123952	0.07050974	0.00245946	0.48466825	0.13862822	0.00124207	0.09202211
0.04310095	0.15148095	0.00125942	0.04847529	0.0060089	0.35625064	0.26283148	0.00126254	0.10854464
0.04455252	0.86250929	0.00619675	0.03336104	0.0061639	0.2321037	0.06664417	0.0041394	0.30484076
0.06081848	1.41290526	0.00352848	0.02441102	0.00527462	0.2249543	0.12310199	0.00353661	0.11238444
0.01040052	0.29569022	0.00175914	0.09260494	0.00175051	0.48098064	0.02937615	0.00176371	0.08371931
0.01429183	0.20294687	0.00145924	0.05329283	0.00289325	0.33822295	0.055579	0.00146328	0.05548151
0.02150642	2.01036926	0.00335852	0.17718437	0.00669718	0.3533319	0.04950668	0.0033664	0.46120569
0.0341526	1.06119611	0.00680703	0.31407395	0.0069064	0.1760706	0.07326881	0.00344651	0.33891295
0.0733366	0.12100685	0.00093949	0.13172195	0.0026938	0.24065992	0.34869772	0.0009422	0.09187453
0.01984051	0.38166685	0.002019	0.15827342	0.00401773	0.79366713	0.12268917	0.00202435	0.13987811
0.03617577	0.26787099	0.00146956	0.06117676	0.00435544	0.50740305	0.1374008	0.00147191	0.08172519
0.01164992	0.13626648	0.001979	0.15088725	0.00196893	0.61838528	0.0445545	0.00198433	0.08279194
0.01743909	0.80926603	0.00295864	0.06627019	0.00587978	0.21299531	0.03479152	0.00148296	0.47257725
0.14617188	0.35834341	0.00115935	0.14135515	0.00203731	0.27019896	0.43886166	0.00116281	0.11319855
0.01216972	0.16101642	0.00205901	0.15477598	0.00204896	0.66708195	0.04247814	0.00206431	0.08296678
0.05283459	0.48386555	0.00206889	0.09838403	0.00618294	0.36334895	0.08510115	0.00207482	0.20118308
0.07014965	0.97458119	0.00375807	0.02831948	0.00747719	0.14718372	0.13806129	0.00376837	0.16223598
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0.01026861	0.50053928	0.00173914	0.08041784	0.0017304	0.69642067	0.03414009	0.00174375	0.13175328
0.05311906	0.52571033	0.00207888	0.08992615	0.00621276	0.35779584	0.08962684	0.00208484	0.17876693
0.00932693	0.41820114	0.00189901	0.12284004	0.00188897	0.45747492	0.02789194	0.00190431	0.12920464
0.01283366	0.33450971	0.00163913	0.10587381	0.0032507	0.66971483	0.11682287	0.00164378	0.14505113
0.02605506	0.78576895	0.00501776	0.24480297	0.00627877	0.23713308	0.05573314	0.00755459	0.25129506
0.04068112	0.20939527	0.00105956	0.05730294	0.00421059	0.40917289	0.1571841	0.0010619	0.07550225
0.02023091	0.93907538	0.00342842	0.07690246	0.00682492	0.24715603	0.04037111	0.00172344	0.54837903
0.06929506	0.45834567	0.00171912	0.05923501	0.00342054	0.3319194	0.15337593	0.0034476	0.11265035
0.06179356	0.27624526	0.0016092	0.02596474	0.00642453	0.247508	0.13432153	0.00161346	0.09998175
0.02842328	1.19884414	0.00125942	0.20399834	0.00499452	0.42559574	0.06411099	0.0012625	0.31387921
0.02713074	0.35091669	0.00184904	0.10717274	0.0054981	0.5866554	0.07936389	0.00185417	0.09862736
0.05875929	0.337891	0.00186906	0.08036484	0.00371908	0.50883559	0.14466322	0.00187409	0.12078861
0.03253802	0.84054906	0.00137927	0.06847504	0.00275384	0.27432957	0.05812436	0.00138315	0.25407121
0.01105853	0.31462133	0.00187909	0.09853937	0.00186986	0.51177713	0.03125685	0.00188396	0.08908522
0.01277841	0.20468129	0.0018591	0.12933508	0.00185002	0.55709074	0.04004754	0.0018639	0.08991413
0.03879255	0.10807764	0.00087961	0.05159356	0.00173139	0.35079424	0.13906837	0.0008817	0.06706152
0.08008124	0.19287884	0.00149924	0.08305119	0.00595617	0.49488445	0.28088887	0.00150331	0.16523178

0.05302569	1.24069996	0.00449771	0.03872098	0.00447454	0.27222406	0.08372286	0.00450995	0.31903505
0.02152756	0.34199501	0.00182909	0.1353295	0.00181988	0.76942622	0.06084528	0.00183396	0.09318139
0.03799335	1.17308941	0.02267953	0.15757849	0.00873503	0.18061093	0.07753321	0.00525049	0.27373231
0.06928096	0.23151725	0.00164917	0.07063395	0.00488255	0.44119115	0.30799454	0.00163356	0.13756279
0.02277329	1.1722558	0.00115949	0.04683845	0.00229867	0.13647732	0.03521207	0.00116222	0.16621198
0.05004751	0.87628844	0.00188907	0.01821358	0.00562912	0.17901413	0.10538199	0.00189403	0.16177505
0.05681151	0.71198842	0.00296847	0.0239617	0.00589609	0.19691804	0.11767972	0.00297664	0.09971348
0.01201221	0.20822038	0.00174912	0.12022949	0.00174018	0.49078127	0.03252255	0.00175384	0.06518897
0.04876904	0.24083049	0.00141932	0.0426536	0.00415789	0.32895387	0.31484115	0.00142294	0.10408914
0.04724651	1.14979708	0.00480776	0.34914122	0.00956037	0.35115189	0.08954016	0.01284587	0.40014811
0.04850565	0.29651147	0.00145924	0.10035766	0.00289325	0.30644133	0.20389607	0.00145326	0.1134806
0.02125326	0.98616296	0.00359834	0.080767	0.00716318	0.25957303	0.0423911	0.0018036	0.57587925
0.01984764	0.19584358	0.00151918	0.05915434	0.0034691	0.34791377	0.0316049	0.00152356	0.04946136
0.05978406	0.15017538	0.00118941	0.0524878	0.0071208	0.48672852	0.17069797	0.00119255	0.09248263
0.01180307	0.22150435	0.0014992	0.20281828	0.00299214	0.56764809	0.03970557	0.00150348	0.13053301
0.01942639	0.29047097	0.00179908	0.11805485	0.00357952	0.62939221	0.06517218	0.001804	0.0947833
0.04651134	1.27008818	0.00168916	0.04357266	0.00505192	0.35309291	0.08614453	0.00169365	0.21568601
0.03647393	1.04661676	0.00762656	0.16479696	0.00769129	0.18812194	0.07582136	0.01234411	0.33011286
0.01299058	0.27488628	0.00188907	0.095248	0.00375938	0.55417816	0.03147464	0.00189403	0.08616195
0.01100088	0.14557118	0.0018691	0.13992489	0.00185998	0.60309988	0.03840273	0.00187392	0.07500422
0.05938301	0.93186047	0.00345823	0.02787919	0.00688081	0.18548349	0.10998432	0.00346766	0.1664821
0.07494747	0.83735945	0.00346833	0.02227787	0.00517221	0.27422202	0.15120038	0.00347725	0.14096216
0.01169523	0.21949232	0.0014892	0.20098572	0.00296232	0.5624882	0.03935364	0.00149345	0.12935749
0.03932059	0.82457191	0.00334819	0.0829864	0.00498985	0.35035719	0.0571763	0.00335786	0.33645759
0.0161552	0.22914441	0.00164914	0.06026984	0.00327104	0.38183655	0.0627767	0.00165372	0.06271896
0.01091103	0.45177502	0.00222881	0.12475781	0.00442361	0.60530691	0.03479876	0.00223517	0.07239954
0.0618172	0.37289408	0.00179906	0.05040481	0.00536868	0.32565013	0.12856631	0.00180408	0.11746911
0.07584758	0.41131434	0.00285865	0.27968188	0.00711251	0.41231633	0.13308846	0.00286586	0.38191132
0.04202236	0.81352667	0.00583694	0.03146576	0.005806	0.21892465	0.06285969	0.00389885	0.28752545
0.01281638	0.36147526	0.00144932	0.1067916	0.00288501	0.58743855	0.04402898	0.00145293	0.09955499
0.01166731	0.07533885	0.00117948	0.20826689	0.00235839	0.46718266	0.02793104	0.00118226	0.03165985
0.07204412	0.84584918	0.00340829	0.02382108	0.00509149	0.26111927	0.14203374	0.00341742	0.15374549
0.0147573	0.51768823	0.00187907	0.09064342	0.00373943	0.71213784	0.08829847	0.00188402	0.14381928
0.06028053	0.34664013	0.00191903	0.08243732	0.00381852	1.07429512	0.14841193	0.0019242	0.12391675
0.0186816	0.18425863	0.00142923	0.0555792	0.00329019	0.32736217	0.02972912	0.00143334	0.04648597
0.0148677	0.40810696	0.00168911	0.09069234	0.00335041	0.43049628	0.03458984	0.00169384	0.11748039
0.02318081	0.71594211	0.004568	0.21329799	0.00468715	0.11932776	0.04973708	0.0023244	0.22906161
0.0181228	0.2126003	0.00167905	0.06927309	0.00333881	0.35216474	0.07381039	0.00168414	0.06798023
0.04092461	0.89074458	0.00594715	0.06793888	0.0078878	0.48255383	0.09524698	0.00397826	0.20120669
0.01473767	0.5170982	0.00187907	0.0905362	0.00372949	0.71132898	0.08820054	0.00188402	0.14365524
0.05110482	0.17914578	0.00136946	0.06359305	0.00539621	0.51675832	0.19209575	0.00137235	0.08751575
0.01162048	0.13588178	0.00196901	0.15045743	0.00195899	0.6166424	0.04442729	0.0019743	0.08255574
0.0302432	1.18724594	0.00279867	0.15711576	0.0069632	0.50116803	0.07269024	0.00139286	0.28412569
0.0441373	2.04672562	0.00800649	0.26423857	0.0079711	0.40026785	0.08963701	0.00962824	0.52510294

0.00970737	0.42123812	0.00164922	0.07749801	0.00327267	0.55966838	0.04034706	0.0016534	0.07982805
0.02514268	0.90741343	0.00451785	0.05313562	0.00749032	0.23146931	0.04572693	0.0030162	0.40312699
0.05911619	0.48325832	0.00200897	0.08634523	0.00399719	0.55551102	0.14934422	0.00201446	0.12036155
0.01929703	0.89563985	0.00326849	0.07334767	0.00650656	0.23572027	0.03849818	0.00163326	0.52300742
0.04048869	0.20309592	0.00163951	0.06841491	0.00488372	0.5676189	0.15368713	0.00164213	0.09144389
0.06435363	0.16470655	0.00102948	0.10058644	0.00203844	0.21659537	0.27873671	0.00102225	0.09623227
0.02488308	0.76786841	0.00488786	0.22901026	0.00503546	0.22888544	0.05339867	0.0024847	0.24565965
0.05489944	0.53382111	0.00185912	0.1314169	0.00926124	0.36329773	0.05658274	0.00372761	0.30165843
0.09351308	0.55113769	0.00131931	0.13028085	0.00389717	0.54334798	0.34063118	0.00129294	0.19613337
0.0348907	1.00130733	0.00729671	0.15765363	0.007353	0.17997104	0.07253509	0.01181307	0.31580775
0.06238632	0.30976572	0.00158926	0.12412667	0.00156192	0.34236736	0.24346978	0.0015932	0.16308537
0.01533964	0.15935172	0.00131927	0.01851363	0.00258397	0.25205611	0.02906353	0.00130313	0.02369799
0.01831799	0.17578868	0.0014492	0.01882521	0.00282251	0.29816761	0.03484618	0.00145349	0.02476396
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0.00885131	0.02047922	0.00024987	0.02515625	0.00124254	0.06369474	0.2215339	0.00025058	0.00634121
0.0239024	1.14085135	0.00230892	0.09157689	0.00229804	0.25292582	0.04314551	0.00231467	0.37280075
0.08814969	0.33164546	0.0011994	0.0257014	0.00952693	0.30212543	0.2578722	0.0012026	0.05340145
0.01208616	0.67168341	0.00136935	0.09940171	0.00271569	0.55402197	0.04020416	0.00137281	0.10508402
0.01420694	0.18630171	0.00111943	0.40596692	0.00221732	0.29908016	0.03161298	0.00112249	0.11023153
0.04171628	0.75185674	0.0034081	0.0442279	0.00338891	0.14037415	0.07320082	0.00341824	0.25446048
0.01109482	0.45215405	0.00187903	0.24121624	0.00186922	0.8677941	0.02949379	0.00188421	0.1897153
0.06026138	0.62535906	0.00157925	0.11643973	0.00155181	0.62398793	0.23194271	0.00158324	0.15983504
0.03579929	0.46608424	0.00191905	0.14193646	0.00763804	0.38855646	0.06012714	0.0038482	0.34277867
0.12568979	0.18733492	0.0010294	0.11716925	0.00300058	0.20936471	0.36697947	0.00103259	0.07823421
0.00958599	0.51927458	0.00162917	0.10499002	0.00324149	0.58812074	0.04777789	0.00163362	0.11084457
0.0150447	0.19139625	0.00169911	0.18710224	0.00339021	0.59285398	0.04332444	0.00170386	0.08644447
0.06697265	0.40077053	0.00161922	0.05388719	0.00480422	0.32802795	0.13203004	0.00325678	0.16614198
0.01596429	0.25223651	0.00089958	0.15993031	0.00179079	0.43697489	0.06282568	0.0009018	0.1787594
0.01905996	0.59352669	0.01532228	0.22826253	0.00609574	0.0913725	0.03600973	0.00307671	0.32246906
0.05656285	0.58015541	0.00185901	0.05816593	0.00369809	0.33939712	0.11462933	0.00372856	0.15319108
0.01623667	0.19715947	0.0015092	0.06641825	0.00296246	0.34554843	0.02351282	0.00151347	0.07044068
0.00486686	0.18984454	0.00082958	0.11458653	0.0008253	0.40707564	0.01374819	0.00083184	0.08632879
0.03578419	0.18859535	0.00134939	0.06466774	0.00401972	0.69016925	0.12031416	0.00135265	0.0755316
0.03975622	0.19908549	0.00160952	0.06720806	0.00479399	0.55750226	0.15095918	0.00161209	0.08979977
0.04076328	0.9680311	0.00275872	0.16680287	0.01100318	0.16853056	0.07590087	0.00969944	0.33255472
0.06784874	0.88870289	0.00372815	0.03005482	0.00741896	0.29802773	0.13718483	0.00373802	0.12759723
0.05233214	0.24794895	0.00196927	0.08290095	0.0078275	0.44802924	0.20890937	0.00197318	0.11733963
0.04503967	1.83810377	0.01105501	0.23067383	0.00628837	0.20964742	0.08832021	0.01108163	0.40529707
0.01930718	0.7579513	0.00261876	0.09245159	0.00521244	0.32273656	0.03852544	0.00131269	0.2915584
0.06118816	0.91164446	0.00345829	0.05011785	0.00516158	0.20984781	0.10849795	0.0034674	0.15617994
0.03455437	0.9391148	0.00420806	0.29578434	0.00978973	0.30735533	0.07171238	0.00140279	0.30779641
0.06503544	0.16481311	0.00134932	0.06389709	0.00403738	0.23921176	0.18524887	0.00135294	0.12301791
0.07097193	0.1949411	0.00147929	0.08055752	0.00292432	0.29144915	0.31491562	0.00148308	0.12537729
0.01460068	0.35253355	0.00185905	0.0419561	0.00369895	0.29886086	0.04548188	0.00186411	0.05066359

0.04680314	0.16075305	0.00153919	0.11469702	0.00603447	0.48985848	0.15376653	0.00154352	0.08933459
0.01174874	0.76803695	0.00170918	0.10059628	0.00340179	0.69962662	0.03348933	0.00171356	0.08743997
0.01915638	0.18758081	0.0021689	0.10950701	0.00431563	0.63270736	0.04245556	0	0.03746798
0.03362858	1.03730058	0.02006073	0.13946438	0.00773019	0.15979432	0.0686194	0.00464929	0.24212931
0.02144601	0.18186077	0.00168913	0.07267271	0.00495157	0.48652327	0.08416617	0.00169377	0.12399545
0.03351475	0.66517096	0.03899059	0.12295153	0.01090943	0.1666414	0.07519096	0.00732577	0.18093649
0.03420033	0.50682227	0.00387786	0.1236755	0.00385622	0.27272049	0.04735258	0.00388929	0.40172461
0.01958691	0.68315206	0.00265872	0.07684838	0.0039687	0.28440655	0.03646604	0.00266555	0.92172718
0.10700644	0.21118058	0.00129929	0.19528383	0.00256431	0.76398901	0.47538767	0.00130309	0.11366731
0.01309158	0.36917368	0.00147931	0.10906701	0.0029447	0.59994983	0.04497014	0.00148299	0.1016805
0.01200248	0.19228826	0.00174915	0.12149661	0.00174061	0.52335226	0.03761804	0.00175367	0.08447252
0.03279023	0.11748719	0.00100952	0.07040249	0.003989	0.59744825	0.10021773	0.00101207	0.08517787
0.03292908	2.24332432	0.00430814	0.06962493	0.00289608	0.26337354	0.06142443	0.00434811	0.26159795
0.01606805	0.36263984	0.0016392	0.10691887	0.00325241	0.67127151	0.04168136	0.00164345	0.07020354
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0.0404902	0.20100805	0.00085963	0.02808437	0.00346318	0.18020924	0.17446017	0.00088166	0.09199929
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0.03723098	0.81040158	0.00540741	0.06181711	0.00718158	0.43903439	0.08665408	0.00361751	0.18305968
0.05295767	1.2789389	0.00599691	0.07094163	0.00994291	0.25910071	0.09778449	0.00601339	0.20317948
0.04257917	1.76101628	0.001969	0.09317916	0.00587671	0.48792881	0.09265597	0.00197434	0.36532892
0.02054829	0.19166127	0.00150918	0.10803455	0.00295199	0.34679726	0.02775642	0.00151358	0.0729864
0.01703102	0.2069048	0.00158916	0.06965962	0.00311159	0.36266539	0.02465696	0.00159366	0.07389104
0.03184095	1.1091825	0.00153927	0.04128613	0.00307364	0.28949014	0.0559629	0.00154319	0.19613362
0.0059052	0.11550668	0.00099948	0.34680008	0.00199844	0.30291044	0.01964194	0.00100225	0.07921951
0.0861255	0.22973767	0.00181915	0.0780299	0.00545164	0.56917197	0.21118902	0.00182368	0.15053471
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0.02013221	0.54708479	0.02910467	0.27474695	0.00644215	0.19195949	0.04015965	0.00865972	0.28633102
0.01256013	0.15204293	0.00182907	0.13950046	0.00181966	0.56916877	0.03399525	0.00183404	0.07308327
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0.06140427	0.30472871	0.0018991	0.07926573	0.00374031	0.5339448	0.30829803	0.00190389	0.16866246
0.07207436	0.39084514	0.00271871	0.26576087	0.0067544	0.39179483	0.12646295	0.00272557	0.36290633
0.0204542	0.42024698	0.0018891	0.1275764	0.00187999	0.84115934	0.05378675	0.00189391	0.09343506
0.03660425	0.18153292	0.00100952	0.04848307	0.00300398	0.39421728	0.14602957	0.00101209	0.07454614
0.01171896	0.2052663	0.00098948	0.27795337	0.0019784	0.36539892	0.03601541	0.00099226	0.14603431
0.06549729	0.67527662	0.00309839	0.01670791	0.00616437	0.1239724	0.13518648	0.00310696	0.09998133
0.02713923	1.01884954	0.00324846	0.23977169	0.00646589	0.26930311	0.05573757	0.00325666	0.54378504
0.02974111	0.7065733	0.00356818	0.07090772	0.00531973	0.46683484	0.08025893	0.00357789	0.19111279
0.00796386	0.118293	0.00100951	0.45005064	0.00302349	0.31422297	0.01887277	0.00101214	0.07215352
0.0634867	0.81838443	0.00300849	0.02260608	0.00448492	0.1098575	0.12368331	0.00301654	0.14780509
0.09251208	0.3898369	0.00188898	0.07741942	0.00375733	0.40054694	0.2084649	0.00378886	0.12952244
0.0445963	2.28644607	0.00322866	0.1287143	0.00805264	0.34741743	0.07627958	0.00162292	0.31762732

0.04130745	2.1177258	0.00299875	0.1192082	0.00745542	0.18751924	0.07064998	0.00150271	0.29419268
0.03184593	0.78573874	0.00154918	0.04334432	0.00308176	0.13737409	0.0574673	0.00155356	0.23366953
0.0855816	0.33873135	0.00108941	0.15364493	0.00314111	0.62819535	0.31572126	0.00109255	0.10717351
0.00706595	0.27162927	0.00119939	0.17021015	0.00119326	0.52676292	0.02114974	0.00120263	0.12550912
0.01819349	0.50398507	0.00205892	0.07563313	0.00203812	0.38222625	0.05247046	0.00206466	0.11797287
0.00063038	0	0	0	0.00082479	0.00055737	0.00588018	0	0
0.01495	0.23859496	0.00126932	0.07541481	0.00252494	0.38609236	0.08680161	0.00127294	0.07468717
0.01679738	0.69871474	0.00243879	0.02753631	0.00607635	0.24179345	0.03231024	0.00244525	0.48840634
0.03798523	0.921066	0.00137936	0.30089415	0.01098276	0.16334965	0.0771319	0.0013828	0.32861908
0.03370287	1.02607991	0.02603728	0.16463322	0.00812571	0.15547074	0.07043078	0.00489034	0.26246917
0.0180902	0.87381945	0.00153923	0.04133533	0.00303305	0.53236956	0.0510892	0.00154335	0.05743335
0.03854044	0.19333131	0.00155953	0.06511612	0.00465448	0.54025509	0.14628183	0.00156203	0.08703522
0.03640431	0.15197978	0.00081961	0.04226058	0.00245702	0.30676527	0.14442215	0.00082168	0.06176105
0.02735481	0.5431224	0.00241878	0.07154179	0.00482297	0.1709873	0.04032875	0.00242527	0.27224713
0.01580323	0.16432813	0.00125931	0.05841791	0.00245492	0.29726708	0.02764414	0.00123294	0.04415844
0.04501326	0.35709373	0.00168937	0.07133603	0.00672206	0.61239578	0.17975117	0.00169273	0.10093971
0.0070266	0.20284133	0.00142922	0.13469944	0.00142138	0.46203635	0.0173622	0.00143337	0.06858187
0.02009626	0.95532604	0.00437788	0.03755092	0.00727082	0.1074764	0.03864768	0.00292612	0.36228524
0.0314854	1.23030972	0.0043678	0.11587946	0.00289374	0.31477913	0.05709321	0.01169548	0.3186938
0.03912801	0.95232912	0.00397815	0.28917434	0.00791889	0.15381385	0.07415764	0.01064143	0.33142899
0.00651651	0.19210133	0.00132927	0.11060069	0.00132195	0.40083151	0.01949189	0.00133315	0.05998641
0.06784073	0.39060767	0.00141921	0.15292988	0.00555547	0.23388505	0.13254818	0.00283683	0.24039094
0.01116418	0.1919142	0.00113939	0.34540947	0.00339956	0.27785877	0.02003505	0.00114266	0.1398845
0.02935264	0.89604843	0.00567748	0.27543822	0.00706504	0.26694791	0.06275517	0.00853639	0.28594977
0.08248504	0.20511125	0.0015092	0.10690439	0.00298242	0.39150949	0.27326593	0.00151346	0.08290962
0.03603761	1.72412262	0.00439794	0.11441738	0.00291477	0.31324685	0.06038474	0.01175383	0.27731415
0.09653054	0.30564326	0.00169914	0.0892833	0.00674178	0.69095448	0.21244609	0.00170375	0.13406804
0.05714479	0.30462659	0.00187913	0.07641285	0.0037008	0.51919981	0.27598766	0.00188379	0.16031671
0.03124022	2.09909956	0.00317859	0.06935014	0.00473652	0.2500245	0.05297919	0.00318613	0.23733109
0.01726892	0.15145896	0.00116938	0.33849081	0.00233628	0.36488124	0.03215147	0.00117267	0.10417955
0.00758536	0.15732792	0.00110944	0.41414867	0.00219753	0.34254759	0.01945447	0.00111245	0.10737482
0.01384587	0.16930346	0.00100947	0.37586389	0.00200818	0.23677913	0.03549381	0.00101231	0.12048263
0.03752009	0.16143678	0.00101949	0.04344963	0.0059863	0.26054765	0.17026456	0.00104228	0.11369419
0.0179072	0.62445368	0.00242883	0.07024362	0.00363052	0.25996106	0.03334066	0.00243507	0.84254515
0.00551774	0.44672432	0.00187898	0.18032565	0.0018687	0.60827235	0.02201609	0.00188442	0.1575705
0.04235747	0.28486881	0.00158932	0.07289688	0.00633955	0.6697974	0.18632735	0.00159297	0.10737115
0.07619645	0.16384997	0.00088949	0.23363386	0.00088433	0.22389965	0.2404791	0.00089221	0.06496354
0.04056906	1.7027861	0.00441808	0.38222967	0.01026018	0.35992708	0.08528675	0.00295557	0.46249118
0.01889092	0.85526145	0.0027388	0.06275807	0.00681676	0.31875212	0.03904742	0.0027452	0.29621796
0.03205834	0.93103068	0.00501757	0.10754091	0.00624626	0.30053539	0.06271487	0.00879843	0.22001349
0.01012656	0.50776048	0.00171908	0.14851245	0.00341958	0.70504737	0.05553011	0.00172399	0.127585
0.02047608	0.4685202	0.0018891	0.07092831	0.00377005	0.65528099	0.04457146	0.00189389	0.09359838
0.03715342	1.05753824	0.00157924	0.01686531	0.00626653	0.1412592	0.07567283	0.00158328	0.0748922
0.01039443	0.11318697	0.00105952	0.38982944	0.00209943	0.32277971	0.02591799	0.00106207	0.05827269

0.01387773	0.4296001	0.00176907	0.09709545	0.00351947	0.48374167	0.0328604	0.00177401	0.12976328
0.70741321	0.21120118	0.00082953	0.13705968	0.00165961	0.38178612	0.94427081	0.00083202	0.06249255
0.04912493	1.70260809	0.00483778	0.29419953	0.0096207	0.20206047	0.0853659	0.00484964	0.41797397
0.01349787	0.42550706	0.00171918	0.06433575	0.00341178	0.53547454	0.03702817	0.00172357	0.08633525
0.01089669	0.12960882	0.00110942	0.38878457	0.00220715	0.32983234	0.0315221	0.00111251	0.08459217
0.02246866	0.68117417	0.04324736	0.33981377	0.00759563	0.21000826	0.04605225	0.00637443	0.41612621
0.01864386	0.23129444	0.00099952	0.26514496	0.00298398	0.51646958	0.07535182	0.00100209	0.19797471
0.02748514	0.83303748	0.03823089	0.36856882	0.008791	0.2833172	0.0562709	0.00590276	0.36946827
0.01385837	0.18992628	0.00142925	0.10735884	0.0040663	0.27403889	0.02777544	0.00143324	0.0696764
0.01465327	0.1900526	0.00165913	0.19115246	0.00330079	0.54687678	0.04382617	0.00166375	0.08723265
0.02335454	1.24290369	0.00742639	0.14810315	0.004426	0.17733497	0.0538743	0.00744566	0.30921559
0.03291457	0.12160345	0.00101948	0.22883466	0.00404712	0.34650457	0.07160914	0.00102224	0.08682555
0.04733985	0.23029019	0.00171922	0.08799914	0.00854696	0.41547458	0.21421782	0.00172337	0.12005721
0.01878231	1.03528695	0.00293859	0.0645485	0.00438652	0.12831603	0.03746738	0.00294612	0.46824709
0.02017633	0.81518159	0.0025589	0.02996108	0.00637949	0.24260167	0.03648881	0.00256476	0.79421831
0.02204265	0.76858618	0.00298856	0.0864611	0.00446603	0.31996891	0.04103165	0.00299624	1.03701712
0.01752121	0.74470721	0.00237892	0.02534524	0.00472599	0.21935239	0.03262204	0.0023847	0.63929826
0.0792035	0.42690927	0.00179908	0.06939708	0.00713934	0.29349043	0.14568026	0.00180398	0.27693705
0.04592756	0.53592071	0.00282862	0.49515664	0.00845384	0.46180804	0.06939987	0.00283601	1.00195577
0.01809421	0.77258816	0.00244889	0.02615219	0.0048854	0.22102204	0.03368713	0.0024548	0.6602977
0.02336103	0.55385767	0.0758186	0.15448616	0.00753409	0.13889933	0.04552897	0.00651539	0.28927944
0.01851951	0.20589951	0.00135931	0.02335754	0.00393783	0.36794947	0.03955135	0.00136298	0.02843193
0.01202106	0.22671678	0.00122935	0.33615152	0.00243561	0.27267692	0.02158772	0.00123282	0.14535107
0.00898594	0.36291017	0.00151926	0.11278049	0.00303351	0.49648056	0.02539815	0.00152321	0.10440469
0.02269378	0.35580898	0.00177913	0.12195568	0.00354067	0.76395212	0.05398433	0.00178378	0.08269961
0.04880112	0.19724973	0.00154926	0.08145702	0.00770867	0.66733104	0.21150127	0.00155323	0.1092248
0.04027039	1.42087544	0.00584732	0.11550212	0.0072729	0.16398396	0.07029943	0.00439871	0.29780445
0.01647499	0.35261396	0.00167912	0.2460685	0.0033404	0.37322089	0.04599895	0.00168383	0.19014846
0.03190075	0.28656017	0.0017991	0.37215874	0.00538987	0.81684157	0.12374362	0.00180391	0.1938912
0.06187488	0.33554335	0.0023289	0.22815704	0.00579943	0.33635655	0.10857603	0.00233477	0.31155535
0.00988942	0.21516617	0.00125935	0.15182316	0.00125282	0.53841534	0.04316571	0.00126281	0.11784441
0.04346192	0.48370827	0.00176906	0.04014177	0.00352904	0.22608194	0.07281154	0.00177408	0.1525597
0.06000144	0.38090488	0.00141933	0.04108428	0.00409827	0.26689511	0.11839182	0.00285588	0.12230548
0.01035859	0.50179222	0.00175913	0.08861681	0.00350075	0.55634947	0.04477108	0.00176376	0.08814547
0.04434583	0.39415354	0.00135948	1.29024765	0.0027184	0.31566025	0.08582307	0.00136226	0.13705895
0.00722256	0.08576846	0.0014692	0.12890505	0.00146113	0.44588912	0.01895655	0.00147346	0.06783068
0.01807069	0.51895335	0.0481338	0.32967351	0.00611287	0.14896031	0.03704144	0.00616451	0.33770953
0.0861851	0.6404499	0.00158922	0.07536286	0.00317274	0.53673218	0.39552008	0.00159336	0.11958577
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0.02068272	0.65717006	0.02437782	0.20583899	0.00661315	0.17371511	0.04015747	0.0077768	0.37641606
0.0499695	0.35952251	0.00153924	0.03802297	0.00613636	0.3981459	0.1676183	0.00154328	0.09558282
0.03210645	0.1692099	0.00120945	0.05802502	0.00361178	0.61922472	0.10794433	0.00121237	0.06775982
0.08028612	0.31791367	0.00101945	0.14419336	0.00294231	0.58959138	0.29631971	0.00102238	0.10058122
0.02431652	0.6582985	0.01651161	0.22817588	0.00821343	0.21351047	0.04733503	0.0035478	0.35162125

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0.01320247	0.11861915	0.00121934	0.14400754	0.00243533	0.82548508	0.05982903	0.00122285	0.07960409
0.01768629	0.71443671	0.00224903	0.02626238	0.0055833	0.21260734	0.03198174	0.00225419	0.69616742
0.01039709	0.1876767	0.00176908	0.2320443	0.00175979	0.59185193	0.0276607	0.00177399	0.11374274
0.01277895	0.08253898	0.00129943	0.33754705	0.00258727	0.51181648	0.0306103	0.00130249	0.03468864
0.01192124	0.22842424	0.00133949	0.19433627	0.00267868	0.70111167	0.03834771	0.0013422	0.06762016
0.02831937	0.6713726	0.09189982	0.18726252	0.00914428	0.16837974	0.05519166	0.00789865	0.35065779
0.00874709	0.13027954	0.00110942	0.3686496	0.00332048	0.33068576	0.02398603	0.00111254	0.08780297
0.00648221	0.23559455	0.00109942	0.16603046	0.00109359	0.50092364	0.01938164	0.00110251	0.11767356
0.02813805	0.55376058	0.00537714	0.03286555	0.00534824	0.18741046	0.04910489	0.00539241	0.31307714
0.02474404	0.20229347	0.00119942	0.26711914	0.00358079	0.74634261	0.09050906	0.0012025	0.20494213
0.04276998	0.21516083	0.00166935	0.07407533	0.00664127	0.64146958	0.17728382	0.00167281	0.10244032
0.06833967	0.17949153	0.0010594	0.15787301	0.00208676	0.28490101	0.20471034	0.00106261	0.09484926
0.02684324	1.05035225	0.00372812	0.09880451	0.00246615	0.26840484	0.04868569	0.00997172	0.27198709
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0.01606542	0.10155049	0.0013594	0.55082109	0.00270671	0.4249393	0.03738401	0.0013626	0.06138258
0.0111831	0.10382991	0.00102952	0.38537525	0.00308383	0.29141013	0.02738697	0.0010321	0.06724923
0.00923962	0.16399805	0.00156918	0.22820755	0.00156094	0.53644056	0.0245795	0.00157354	0.10250829
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0.02468437	0.94179815	0.00294858	0.12026708	0.00293423	0.28374616	0.0434405	0.00295616	0.51807132
0.15254512	0.39511869	0.00102946	0.07766378	0.00409601	0.36418879	0.51055778	0.00103234	0.0653123
0.0091114	0.12678032	0.00102949	0.2897022	0.00204872	0.33035024	0.03029693	0.0010322	0.07328953
0.11406224	0.52843111	0.00101945	0.04936022	0.00571562	0.40268071	0.29347747	0.00102238	0.05505279
0.01785872	0.17954293	0.00151925	0.4113028	0.00452502	0.521245	0.03562205	0.00152326	0.10771761
0.03540493	0.31799175	0.001999	0.412979	0.00597659	0.90643986	0.13731127	0.00200434	0.21515562
0.00908063	0.13590412	0.00115939	0.37776332	0.00344974	0.3558041	0.02490561	0.00116265	0.09116874
0.02255706	0.15278569	0.00114945	0.26036525	0.00228783	0.42839663	0.05174977	0.00115238	0.09865628
0.01930478	0.33054892	0.00130937	0.24941675	0.00260612	0.71987062	0.07186604	0.00131271	0.21071269
0.02853254	0.15802006	0.0012094	1.6430669	0.00240676	0.22825766	0.08180536	0.00242518	0.12798409
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0.07303031	0.20181851	0.00151927	0.08280461	0.00302385	0.30113411	0.32408403	0.00152315	0.12895323
0.01372267	0.15146772	0.00126934	0.46257679	0.00252537	0.28845541	0.03358935	0.00127286	0.11300231
0.02736937	0.90305239	0.00231887	0.21165966	0.00461487	0.26421022	0.0511959	0.00233493	0.29116687
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0.67809351	0.16120661	0.00093946	0.17862293	0.00185801	0.1873788	0.78094585	0.00094235	0.06373141
0.02002299	0.77251798	0.00509751	0.0464227	0.00633544	0.21052393	0.03494532	0.0038281	0.58597051
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0.0138341	0.1813734	0.00108944	0.39522724	0.00215766	0.29116463	0.03077153	0.00109242	0.10731733
0.04884022	1.21570998	0.00776627	0.29772389	0.00617687	0.17744263	0.08982419	0.01245591	0.32773307
0.02521795	1.05145888	0.00301852	0.11168169	0.00300362	0.15811299	0.04437738	0.0030264	0.45404189
0.01734978	0.12431417	0.00135935	0.42867653	0.0027056	0.59732647	0.03061222	0.00136281	0.06083765
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0.12344267	0.21192717	0.00120932	0.09431768	0.00458115	0.24641941	0.53511085	0.00121296	0.07277324

0.06339705	0.11635712	0.00084949	0.03527141	0.00338728	0.11762408	1.94793093	0.00085221	0.05250287
0.03486572	0.17210701	0.00121937	0.31236663	0.00364901	0.34220959	0.06474363	0.00122273	0.10118138
0.02243384	0.82401502	0.00427788	0.04748902	0.00852295	0.24094781	0.04195723	0.00286614	0.5356501
0.01541797	0.13239896	0.0014194	0.27194574	0.00283672	0.90061208	0.04893914	0.00142259	0.07368093
0.30570554	0.1365299	0.00087951	0.1968052	0.00174908	0.19503432	0.33129491	0.00088213	0.05295959
0.0088807	0.12068868	0.00100949	0.29371908	0.00199866	0.31840241	0.02950478	0.00101223	0.07214214
0.04996677	0.42351366	0.00154917	0.05330143	0.00460253	0.74469585	0.13285953	0.00309717	0.12703221
0.00733572	0.09031333	0.00106944	0.03108587	0.00212756	0.24662463	0.02300101	0.00107243	0.03583138
0.01077011	0.16884798	0.00156922	0.11429701	0.00156138	0.45353176	0.03376127	0.00157337	0.08993937
0.01909999	0.22920847	0.00140927	0.01971612	0.00401686	0.37480208	0.04080322	0.00141316	0.02813039
0.01620207	0.14276499	0.00137928	0.17780799	0.00273405	0.43615704	0.06595523	0.00138313	0.13092939
0.02076565	0.28994822	0.00140934	0.21526163	0.00280534	0.59629708	0.07595163	0.00141286	0.16382636
0.0067138	0.1648865	0.00113938	0.09116384	0.00113317	0.28837568	0.02119665	0.00114267	0.0474174
0.04330451	0.62931214	0.00440781	0.50310081	0.01315717	0.42483836	0.07630203	0.00736581	0.90258246
0.02969281	0.11518092	0.00085958	0.04260138	0.00429643	0.37125917	0.13453622	0.00086183	0.06064753
0.04726107	0.18047536	0.00145925	0.07534185	0.00724853	0.66851478	0.23566084	0.00146325	0.10469638
0.04255219	0.30911101	0.00135928	0.03361446	0.00538808	0.30001122	0.11668285	0.00136313	0.08341722
0.033899	0.64870637	0.00171917	0.03324822	0.00515235	0.27136442	0.0963776	0.00172359	0.15133733
0.0298741	0.32448299	0.00455786	1.03431603	0.00756037	0.34358354	0.08194555	0.00456929	0.32265205
0.03166802	0.59592851	0.04838547	0.14733052	0.00916815	0.16353838	0.07106049	0.00808774	0.20425439
0.01976661	0.61564763	0.01589199	0.23675596	0.00632445	0.09477699	0.03735067	0.00318695	0.33448441
0.03140374	1.34773199	0.00138937	0.12591544	0.00690487	0.4988144	0.07217656	0.00139275	0.25026747
0.01501702	0.10579797	0.0009595	0.23267376	0.00285344	0.35467009	0.05146806	0.00096216	0.06677222
0.01418236	0.14417055	0.00160916	0.15736984	0.00319142	0.51618102	0.04399203	0.00161364	0.08443789
0.02574799	0.22437197	0.00119936	0.08752138	0.00237595	0.62702889	0.1226421	0.00120276	0.0906899
0.03163448	0.59311739	0.00292848	0.0473201	0.00291314	0.31265786	0.05162762	0.00293659	0.21800736
0.0228957	0.12528519	0.00116944	0.56243008	0.00231752	0.36742878	0.04225306	0.00117245	0.08088697
0.04192609	1.14160099	0.00274868	0.12377896	0.00821601	0.1923912	0.09307049	0.00275572	0.33708599
0.09595461	0.19487557	0.00135923	0.22537773	0.00135148	0.35856881	0.28256805	0.00136333	0.08923823
0.02636669	0.35402203	0.0012794	0.30043682	0.00381006	0.46696365	0.06513731	0.0012826	0.11349113
0.03273471	0.20533063	0.00123936	0.79678325	0.00245582	0.26322507	0.10881733	0.00247554	0.14461701
0.00626215	0.20092861	0.0012793	0.13921656	0.00127228	0.46751791	0.01747074	0.00128302	0.06450956
0.02212557	0.67073934	0.03078462	0.29671869	0.00708054	0.22809103	0.04530657	0.00475027	0.29747768
0.02716499	0.91505098	0.02100978	0.14115361	0.00786733	0.14127977	0.05162108	0.00263555	0.23954294
0.23119848	0.21442984	0.00079957	0.11304039	0.00159052	0.18820257	0.57914778	0.00080185	0.04772851
0.01051294	0.16528849	0.0015292	0.16981007	0.00152109	0.36705543	0.02844721	0.00153348	0.09011792
0.04733158	0.58754555	0.021029	0.05728327	0.00368848	0.17617837	0.11497278	0.05209781	0.19957289
0.04245353	0.34620534	0.0015492	0.13804903	0.00615437	0.15997037	0.0635018	0.00155349	0.27189813
0.01731902	0.1666338	0.0011794	1.35783832	0.00117333	0.22840847	0.04490555	0.00118261	0.10982194
0.02467612	0.75333054	0.0226696	0.25397207	0.00594956	0.13776784	0.0504168	0.00358712	0.25504982
0.03406882	0.21366424	0.00127934	0.82913091	0.00255525	0.27391341	0.1132389	0.00257576	0.12634304
0.00667235	0.35571666	0.00096947	0.22605877	0.00096409	0.2954876	0.02566255	0.00097231	0.09559352
0.01234339	0.10805449	0.00139926	0.13571297	0.00278347	0.43534922	0.03555503	0.00140323	0.06451186
0.01436419	0.14898497	0.00121938	0.51136111	0.00363921	0.46646614	0.03102659	0.00122271	0.09856631

0.00280777	0.23969371	0.00095943	0.27394744	0.00095373	0.25043756	0.01828345	0.00096245	0.06661615
0.03003228	0.22055311	0.00226884	0.81798734	0.00338066	0.31287253	0.06211919	0.00340756	0.26054543
0.04088426	1.29621194	0.00462763	0.08129394	0.00460368	0.17311961	0.10117933	0.00309686	0.30825521
0.04394663	1.01779483	0.0100852	0.27470664	0.01004668	0.18376249	0.08624674	0.00433893	0.30018388
0.02160638	0.132958	0.00115939	0.33162867	0.00345983	0.37229289	0.04762871	0.00116263	0.10506431
0.00586704	0.13890546	0.00099949	0.33630137	0.00197867	0.25566366	0.01559554	0.00100223	0.08499667
0.05358817	0.41736307	0.02473609	0.05922373	0.00517751	0.13597375	0.1208316	0.17891494	0.19205647
0.04997816	0.37759509	0.00236883	0.31219631	0.00588768	0.28076984	0.07883218	0.00237506	0.64152021
0.01321181	0.13404986	0.00111939	0.46540165	0.00222657	0.33396506	0.03512201	0.00112263	0.0851686
0.0102027	0.18897985	0.00115937	0.25220741	0.00229613	0.42666015	0.03504309	0.00116272	0.06683555
0.08335087	0.28116087	0.00096946	0.11076766	0.00672852	0.23578598	0.126538	0.00097232	0.09404118
0.03483499	0.19258503	0.00214886	0.6975467	0.00213732	0.20887118	0.1052606	0.00215495	0.11866418
0.24468721	0.14805041	0.00086951	0.14302113	0.00172917	0.28143576	0.49237131	0.00087212	0.05782895
0.235096	0.0929351	0.00068963	0.07229474	0.00137181	0.19051513	0.39194047	0.0006916	0.03435144
0.00603415	0.07432623	0.00122932	0.2502447	0.00122242	0.41503579	0.02404457	0.00123296	0.08089805
0.03824729	0.6515168	0.00585673	0.03379531	0.00582369	0.2338051	0.05528855	0.00587419	0.33018181
0.02926218	0.09957812	0.00102954	0.17706545	0.00203987	0.3782015	0.10470833	0.00103199	0.06040831
0.05447256	0.72258503	0.09113415	0.04823973	0.00919838	0.13712696	0.11123336	0.02516477	0.14181568
0.04997318	0.40475779	0.00102946	0.04943682	0.00310179	0.34246753	0.22866961	0.00103235	0.1113252
0.02443928	0.21213309	0.00137935	0.49616903	0.00274559	0.36948528	0.07718977	0.00138282	0.11760712
0.01357317	0.55739109	0.00196904	0.04650585	0.00392873	0.09869949	0.02609569	0.00197415	0.46037617
0.42228024	0.14727029	0.00079954	0.17423913	0.00159976	0.25669334	0.49615104	0.00080199	0.05838638
0.02505833	0.6441877	0.00728642	0.0612211	0.00966699	0.13968832	0.03569566	0.00608294	0.47737259
0.00281843	0.13885804	0.00095944	0.30994089	0.00095381	0.24769737	0.27389474	0.00096242	0.06201535
0.02038235	0.22256035	0.00258882	2.64543107	0.00257691	0.24026217	0.05845659	0.00259512	0.15044825
0.01177014	0.15818782	0.00091952	0.34776987	0.00183932	0.24316575	0.0261834	0.00092208	0.09539883
0.00188914	0.21591851	0.00095945	0.26748421	0.00095387	0.26338825	0.00715524	0.00096239	0.06998417
0.03210054	0.26924138	0.00224893	0.7247558	0.0044863	0.30725754	0.0673595	0.00338694	0.26946562
0.2925542	0.1044081	0.00071959	0.09407469	0.00143099	0.2490904	0.53294362	0.00072176	0.03870331
0.00575777	0.25181638	0.00097945	0.2950078	0.00194772	0.26317853	0.01683585	0.0009824	0.07572824
0.03465145	0.30989357	0.00270875	0.8886493	0.00674529	0.35243445	0.07977958	0.00271542	0.29888664
0.01944254	0.35790715	0.13845393	0.05459518	0.00310349	0.06669788	0.03878502	0.02713602	0.17518956
0.1572926	0.16780651	0.0008895	0.17472382	0.00175894	0.32676359	0.45073125	0.00089217	0.06375449
0.01007734	0.19301623	0.00113957	0.16421108	0.00226045	0.59243055	0.03240415	0.00114187	0.05713747
0.04238276	0.33294926	0.00126943	0.30951249	0.00630819	0.31037491	0.11067223	0.00127249	0.270176
0.01370245	0.16224138	0.00106944	1.50923206	0.00106382	0.18696248	0.03889868	0.00215485	0.15784362
0.01410251	0.15925643	0.00119939	0.5608038	0.00356985	0.41713766	0.02344	0.00120263	0.12410265
0.02558364	0.61094816	0.0534518	0.26414718	0.00778419	0.20560657	0.04845965	0.00915088	0.43209832
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0.03937663	0.37821415	0.00266866	0.47089451	0.01064023	0.30029088	0.07329282	0.00267583	0.94985042
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0.02984148	0.95992368	0.00827616	0.28009385	0.01098316	0.15245799	0.0608965	0.00276555	0.30448542
0.06039886	0.15675278	0.00154915	0.17874593	0.00602293	0.86500032	0.27923322	0.00155371	0.11829762
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0.16700089	0.43251497	0.00112941	0.08500707	0.00448374	0.18441933	0.71463297	0.00113257	0.07148971
0.03092904	0.2682847	0.00261873	1.06050985	0.00522181	0.33758464	0.06940617	0.0026255	0.25887751
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0.03170375	0.38515875	0.00280868	0.43164458	0.00698351	0.19791238	0.06187493	0.00281571	1.27724778
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0.02007594	0.66318137	0.00360816	0.08150482	0.00478278	0.2057524	0.03061808	0.00241533	0.47919004
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0.01646789	0.10921704	0.00128943	0.52062526	0.00255741	0.31203317	0.03916784	0.00129247	0.07704252
0.01606595	0.47591137	0.64481501	0.15118071	0.00305337	0.10453701	0.03103841	0.0143403	0.31148941
0.05250747	0.25407405	0.00055966	0.07690715	0.0010629	0.31800572	0.2287767	0.00056145	0.04350337
0.02449247	0.24353843	0.00095952	0.21723341	0.00286408	0.25400916	0.10051618	0.00096207	0.1528734
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0.00888136	0.26679143	0.00100946	0.22152653	0.00199805	0.34029743	0.03149323	0.00101235	0.0709728
0.01951267	0.58539607	0.08833564	0.23482264	0.00659307	0.16998408	0.03676608	0.00553202	0.35317605
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0.05019725	0.24125447	0.00040979	0.01799149	0.00634418	0.12598111	0.11438947	0.0004109	0.03786824
0.36331623	0.17169019	0.00064963	0.10856548	0.00128194	0.30465741	0.74089436	0.00065159	0.04962466
0.02054533	0.29777061	0.0024588	0.5919122	0.00489344	0.32664876	0.05425514	0.00246519	0.28829864
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0.13782284	0.15518048	0.00085955	0.19913976	0.00254504	0.41877901	0.90225995	0.00086196	0.06353293
0.07467352	0.19243774	0.00123928	0.19621755	0.00242423	0.33187605	0.22857148	0.00124313	0.10917094
0.01172679	0.14253653	0.0010894	0.93500381	0.00108332	0.16685699	0.03507532	0.00218522	0.13919681
0.05511728	0.29423834	0.05069937	0.03313181	0.00671471	0.08852654	0.10327594	0.01016655	0.10652337
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0.09261604	0.02339299	0.00083948	0.00183332	0.00332684	0.12605042	0.37796995	0.00084227	0.00223759
0.04976472	0.21892343	0.00229888	0.55840835	0.00344136	0.30862885	0.08009875	0.00230484	0.28334846
0.03179753	0.89496201	0.00422786	0.17551174	0.00700054	0.29361457	0.04825129	0.00282618	0.48939669
0.02731084	0.09855599	0.00095957	0.30917614	0.00285569	0.33317112	0.09111335	0.00096187	0.06599898
0.02920317	0.09935128	0.00101955	0.17666062	0.00203987	0.37734582	0.10447283	0.00102197	0.06027034
0.05091957	0.20247229	0.00117946	0.49518958	0.00468587	0.60155299	0.13505199	0.00236473	0.3650455
0.01283202	0.17792733	0.00153918	0.63123055	0.00153085	0.12260526	0.03086801	0.00154358	0.15241786
0.02177906	1.00065174	0.00415796	0.05203147	0.00827466	0.19742677	0.03529472	0.0027759	0.32921443
0.02196803	0.22119463	0.00262887	1.94705476	0.0026175	0.25068341	0.06060658	0.00263489	0.15877412
0.02365885	1.03433049	0.00125937	0.20301336	0.00756801	0.11763135	0.04969705	0.00127274	0.31035565
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0.10861336	0.2100081	0.00084952	0.15886867	0.00169939	0.38120921	1.20707024	0.00085206	0.06987494
0.08662533	0.4023901	0.00081958	0.03958271	0.13738534	0.18997075	0.26473374	0.00082184	0.10972992
0.08560847	0.37894212	0.00086955	0.03667263	0.00346997	0.3032411	0.30054828	0.00087195	0.10540788
0.10415981	0.27695747	0.00103944	0.12254098	0.00517863	0.19767014	1.45273546	0.00104245	0.07142628
0.02758141	0.84160849	0.08147836	0.23114138	0.00978422	0.10202058	0.05639027	0.00844868	0.33413105
0.51675159	0.31085028	0.00122927	0.13357035	0.0048877	0.52550329	1.54598937	0.00123316	0.08017392
0.04815925	0.50670648	0.05443106	0.07481216	0.00848965	0.10729611	0.09917025	0.01391198	0.1989466
0.03587498	0.27799237	0.00318821	0.02756984	0.00317018	0.14047302	0.08862967	0.00398967	0.09093538
0.11567752	0.16195272	0.00098948	0.39535516	0.00886774	0.44271836	0.24233036	0.00099227	0.10945604
0.02836602	0.28992509	0.00280833	0.0396534	0.00371535	0.18316775	0.06384242	0.00468203	0.11530918
0.04690278	0.11856163	0.00051973	0.0145301	0.02429025	0.19772826	0.09812273	0.00052116	0.03913092
0.01382601	0.00448022	0.00027102	0.00012079	0.00470924	0.00409876	0.0352762	0.00026558	0.00090646
0.00952596	0.50851437	0.21584263	0.11180612	0.00160277	0.09942543	0.02297177	0.00968697	0.22934667
0.07679835	0.1415465	0.00078964	0.30974043	0.00549206	0.2080147	0.17256018	0.00079156	0.1100801
0.016686	0.0002724	0	0.00022183	0.0079561	0.00527068	0.04723441	0	0.00032915
0.06139452	0.51121475	0.05025498	0.0381517	0.00609615	0.12403901	0.12126475	0.07128349	0.15632392
0.01963212	0.18135445	0.04654487	0.01350962	0.00198802	0.03258003	0.02152939	0.00802875	0.05561183
0.05807182	0.37553857	0.00069964	0.0217159	0.03046704	0.15141045	0.19623432	0.00070154	0.08039313
0.00017502	0	0	0	0	0.00032039	0.00819219	0	0
0.02097275	0.1419149	0.00237874	0.25438027	0.00158065	0.24318419	0.06739181	0.00159365	0.13976445
0.02385351	0.00351653	0.00027082	0.00029369	0.00815652	0.00407342	0.05806766	0.00026644	0.0016249
0.00408401	0.00012422	0	0	0.00389737	0.00089156	0.00862138	0	0

0.07721628	0.193979	0.0008696	0.28806678	0.00521298	0.22814246	0.19169427	0.00087175	0.10478365
0.08223647	0.4598556	0.00083959	0.0233259	0.05078544	0.15761765	0.26986847	0.00084177	0.10397244
0.15287049	0.0002726	0	0.0004358	0.00417008	0.01059618	0.17178936	0	0.00033398
0.10805363	0.09193492	0.00084954	0.0082996	0.02038682	0.10899916	1.36209109	0.000852	0.01774619
0.06944484	0.07159235	0.00081954	0.32989268	0.00485954	0.20756601	0.15756545	0.000822	0.14215566
0.12391574	0.02316954	0	0.00325956	0.26996873	0.04170806	0.42272682	0	0.00134063
0.08130231	0.13740558	0.00172907	0.22042974	0.00686887	0.3195508	0.19675296	0.00173402	0.1155326
0.02888756	0.15860676	0.00310819	0.34140892	0.00231495	0.24504431	0.08941353	0.00233588	0.21697922
0.0684929	0.08554821	0.00064965	0.28464015	0.0070777	0.22937094	0.19412213	0.00065151	0.17889486
0.1119534	0.17169428	0.00269853	0.41293319	0.01073455	0.2452262	0.25490043	0.00180426	0.23932242
0.04111893	0.09466049	0.0016091	0.49856137	0.00321003	0.26536444	0.11666668	0.00161389	0.10677607
0.07734119	0.12968297	0.00163911	0.20077361	0.00654032	0.13137705	0.18714674	0.00164387	0.10976735
0.02869494	0.20959642	0.0032582	0.37466308	0.00242506	0.25162397	0.08107097	0.00244584	0.24333137
0.09684307	0.07871298	0.00042976	0.01068509	0.33523571	0.16977539	0.20902463	0.00043102	0.01552
0.01324778	0.00419621	0	0.00508313	0.00027861	0.05548886	0.24164191	0	0.00154457
0.07023938	0.39382688	0.00068964	0.02298768	0.00753595	0.17796383	0.23237013	0.00069157	0.08422179
0.01132459	0.00180745	0	-6.402E-05	0.0035071	0.00124586	0.0267652	0	0.00061333
0.15591412	0.09714317	0.00047976	0.03697685	0.02001814	0.20944735	0.69247362	0.00048104	0.02206578
0.02422854	0	0	0	0.00360388	0	0.05414527	0	0.00249253
0.06721568	0.1854636	0.00153925	0.27368317	0.00458494	0.20847926	0.16722765	0.00077164	0.09678764
0.07187284	0.06954453	0.00021988	0.00187758	0.03668889	0.02450865	0.20623281	0.00022052	0.00373801
0.01137145	0.00158994	0.00030275	-9.9828E-05	0.00403273	0.00392904	0.02674472	0.00028806	0.00156392
0.08026348	0.03292293	0.00046969	0.00983455	0.00281953	0.16922008	0.47422596	0.00047132	0.00667656
0.04561888	0.2086345	0.00051973	0.02005521	0.00513981	0.13870242	0.14911089	0.00052119	0.06086653
0.04599433	0.20062942	0.00062967	0.3013171	0.00559687	0.23276412	0.16083649	0.00125287	0.16578963
0.03682128	0.05672217	0.00022986	0.00152696	0.03240582	0.01294322	0.19289635	0.00023062	0.00312801
0.04490909	0.0658621	0.00035979	0.00156126	0.04045029	0.01484394	0.19741232	0.0003609	0.00225045
0.05969718	0.06020046	0.00058973	0.19878739	0.00410903	0.13861055	0.12720067	0.00059117	0.09630238
0.05823934	0.02525165	0	0.00187529	0.22073209	0.03211163	0.31031495	0	0.00157387
0.02133392	0.2254312	0.00063968	0.24951348	0.00190945	0.18937341	0.05945388	0.00128275	0.15311881
0.06256386	0.21825374	0.00070962	0.3295563	0.00634214	0.23285062	0.17397253	0.00071165	0.17945413
0.02884445	0.22896246	0.00067964	0.32769243	0.00203812	0.25370077	0.09365342	0.0013731	0.1921248
0.0229585	0.16379039	0.0005697	0.25080613	0.00170006	0.18217918	0.08876731	0.0005713	0.13806476
0.04698793	0.29254331	0.04980201	0.03495753	0.00458126	0.08136965	0.08739275	0.01572822	0.10783989
0.06701839	0.06103229	0.0006497	0.22949045	0.00451668	0.14891938	0.14515464	0.0006513	0.09643281
0.0476961	0.02784525	0.00026991	0.00167439	0.02324782	0.02203737	0.29335561	0.00027037	0.0022724
0.04713332	0.2270681	0.00077959	0.34337872	0.00616358	0.24785713	0.18951908	0.00078179	0.19011351
0.02824235	0.19149098	0.00062967	0.29539124	0.00249535	0.22923505	0.11389011	0.00063144	0.17348095
0.02947412	0.22112332	0.00066962	0.30051446	0.0019974	0.24537665	0.0835736	0.00134328	0.19107093
0.01660143	0.0030393	0	0.00150912	0.00256626	0.0326164	0.2476418	0	0.00063957
0.03329668	0.00079473	0	-9.1621E-05	0.00169068	0.00157078	0.06732728	0	0.00050763
0.03237402	0.00559976	0.00024041	0.00035865	0.00706273	0.00376666	0.06618455	0.0002382	0.00094353
0.11292061	0.02111845	0	0.00296616	0.24603694	0.03800509	0.3852058	0	0.00122447
0.01336581	0.00423608	0	0.00512574	0.00027861	0.05601347	0.2439281	0	0.00156296

0.06028176	0.18875333	0.00059972	0.16299305	0.00478545	0.18653784	0.12499119	0.0006012	0.16378701
0.09033514	0.04732807	0.00052968	0.03200491	0.0042411	0.13566774	0.45722047	0.0005314	0.01046088
0.06818773	0.00879167	0	0.00038543	0.01000828	0.00426196	0.12807569	0	0.00053132
0.03766347	0.15837647	0.00052972	0.24543917	0.00477188	0.186554	0.15285416	0.00053121	0.13375434
0.01776251	0.18043123	0.04407831	0.0212156	0.00169072	0.03301535	0.02436474	0.00793689	0.10616711
0.09655016	0.04626498	0.00048976	0.00522761	0.06689704	0.05630239	0.62389656	0.00049103	0.00356799
0.00638926	0.02022914	0.00024986	0.02383103	0.00049698	0.08761088	0.2005344	0.00025059	0.00633215
0.02413367	0.02726265	0	0.00076581	0.02683922	0.01442329	0.18921533	0.00024056	0.00107514
0.03908896	0.00024335	0	0.00017282	0.0109269	0.00880946	0.1060159	0	0.00032249
0.01970737	0	0	0	0.00554122	0.00580339	0.05757723	0	0
0.09750592	0.09579091	0.00048971	0.0074555	0.06046705	0.0620182	0.4234311	0.00049124	0.00615101
0.00256316	0.00015955	0	0.00016902	0.00015932	0.00711546	0.07726697	0	0
0.02638454	0.00250132	0.00022076	0.00032756	0.00407997	0.00609853	0.06895168	0.00021672	0.0014243
0.05908414	0.03136679	0	0.00085696	0.02996634	0.01012476	0.17055052	0.00026065	0.00141556
0.00802431	0	0	0	0.0021031	0.00073122	0.03095636	0	0.00073518
0.00024471	0	0	8.6733E-05	7.949E-05	0.00036798	0.01009957	0	0
0.00988268	0	0	6.0308E-05	0.00805803	0.0034247	0.05039441	0	0.00048294
0.01946944	0.00395567	0	0.00303475	0.00253602	0.04444575	0.28605361	0	0.0010296
0.01371102	0.00304916	0	0.00245252	0.00189973	0.03074183	0.2071553	0	0.00070289

WV	WI	BIOG	OTHER	ICBC	SOA	total sulfate	total sulfat	calibration
2.39762881	0.0898849	0	0.54788	0.99907	0	13.450639	24.84042	0.777437
0.31574	0.05454036	0	0.9092	1.13918	0	12.962306	21.53913	0.870035
0.65743248	0.09510699	0	0.99093	1.19189	0	13.904931	23.14944	0.758196
0.57595784	0.04691158	0	0.25624	0.76073	0	7.0589152	13.37147	0.915731
0.30277158	0.08263662	0	0.8719	1.09285	0	12.783468	20.66063	0.870207
0.47336063	0.06866253	0	0.71177	0.8615	0	10.092341	16.7003	0.760141
0.2648405	0.03526889	0	0.3334	0.33799	0	7.3172406	12.45312	0.822528
1.25106207	0.12389953	0	0.82285	1.17306	0	10.934881	21.92678	0.922792
0.30972119	0.04372893	0	0.79773	1.04636	0	11.50311	19.44901	0.893207
0.1461517	0.03957848	0	0.30968	0.34408	0	9.5396924	14.99463	0.776579
0.09695088	0.07351423	0	0.50189	0.4896	0	7.9820865	14.9072	0.946662
0.43247777	0.08052646	0	3.14111	1.22756	0	13.23812	21.72122	0.874225
0.77369425	0.06747198	0	0.44015	0.93123	0	9.2803681	18.22639	0.921548
0.25413304	0.38304919	0	0.37585	1.04062	0	7.035731	11.61991	0.842434
0.63004968	0.03421739	0	0.26948	0.74682	0	9.6929266	13.79229	0.734242
0.32455643	0.03409407	0	0.29294	0.74977	0	10.873298	20.53252	0.816659
0.30841734	0.03239084	0	0.27837	0.71247	0	10.332479	19.51128	0.816658
0.29620396	0.03110851	0	0.26735	0.68426	0	9.92341	18.7388	0.816659
0.77116241	0.058526	0	0.37553	0.87414	0	7.7707	15.81344	0.924369
0.28432196	0.07758317	0	0.81875	1.02607	0	11.417176	19.39913	0.870131
0.2608046	0.39387323	0	0.38526	1.06658	0	7.215909	11.9155	0.841872
0.3874189	0.09513114	0	0.66944	1.42839	0	12.500516	17.31117	0.814879
0.12030758	0.03246423	0	0.25224	0.3055	0	6.2409655	10.06855	0.810984
0.14601967	0.06140962	0	0.35492	0.54163	0	9.2413226	18.52065	0.885789
0.08471256	0.06433384	0	0.43918	0.42833	0	6.9869812	13.04033	0.947168
0.32619025	0.11304824	0	0.68337	0.89286	0	10.035884	20.37924	0.960771
1.02022354	0.0760516	0	0.476	0.79817	0	9.194726	18.13833	0.883163
0.5416977	0.08866903	0	0.28261	0.78595	0	7.8683253	12.15928	0.834427
0.42786775	0.06438332	0	0.55965	0.77617	0	9.6905253	18.33935	0.883808
0.23086831	0.03216714	0	0.32072	0.34234	0	7.0048511	11.00493	0.733079
0.29886766	0.10767383	0	0.36524	0.66726	0	11.669193	17.59464	0.655209
0.17700204	0.07028409	0	0.25832	0.59229	0	6.53839	10.78372	0.815669
0.51805029	0.07500789	0	0.78006	0.94037	0	10.940731	18.25148	0.758822
0.46711763	0.0676355	0	0.70336	0.84794	0	9.9560168	16.45742	0.758839
1.06402838	0.10537272	0	0.69983	0.99763	0	9.2999266	18.64798	0.922776
0.36906004	0.0736076	0	0.60113	0.8001	0	10.571399	20.98494	0.918803
0.22541679	0.06649608	0	0.4862	0.54571	0	8.6627854	17.03589	0.854821
0.81857984	0.07085488	0	0.40492	0.72752	0	8.6033631	16.90404	0.923867
0.2722588	0.19500015	0	0.85377	1.16861	0	9.8686733	17.88972	0.936068
0.87820877	0.05740623	0	0.3487	0.67049	0	6.5306245	12.26079	0.871182
0.34768912	0.03651188	0	0.31381	0.80319	0	11.648037	21.99551	0.816655
0.38005644	0.05403855	0	0.20533	0.37669	0	6.2329745	9.53989	0.780739
0.39297474	0.07043629	0	0.60139	0.93769	0	9.6243287	17.61296	0.886629

0.28748544	0.05098903	0	0.44497	0.60194	0	9.7403198	15.85797	0.782757
0.24365825	0.25285365	0	0.20547	0.80142	0	6.8639426	11.31381	0.815867
0.30024847	0.03153922	0	0.271	0.69361	0	10.058912	18.99467	0.816658
1.08168623	0.0677862	0	0.41716	0.651	0	7.7355917	14.46066	0.838834
0.87545438	0.05875982	0	0.36706	0.86545	0	8.498917	15.85966	0.874453
0.49985764	0.03041412	0	0.24976	0.67167	0	7.7487215	11.86735	0.730476
0.33703938	0.59237037	0	0.17487	0.22045	0	4.57359	5.90415	0.763163
0.24891714	0.07994092	0	0.46338	0.74764	0	9.9195331	19.50486	0.864564
0.15256485	0.06415523	0	0.37082	0.5659	0	9.3795531	19.35039	0.885784
0.27818752	0.07464521	0	0.29649	0.43244	0	8.1127355	12.37155	0.676266
0.68275876	0.27522471	0	0.22417	0.87439	0	7.9027778	12.34103	0.816106
1.18056071	0.11692029	0	0.77648	1.10689	0	10.094138	20.69025	0.922775
0.50206926	0.07268451	0	0.75605	0.91128	0	10.494302	17.68776	0.758776
0.23394411	0.06900926	0	0.50458	0.56633	0	9.216859	17.67976	0.854809
0.11751549	0.06258728	0	0.44141	0.32341	0	7.8695849	14.59859	0.912131
1.02988269	0.05602699	0	0.40692	0.73985	0	10.331651	16.84671	0.772754
0.4569108	0.07317802	0	0.73089	1.08186	0	11.731619	17.31713	0.767206
0.0967013	0.03843734	0	0.2146	0.29875	0	5.3260513	9.16045	0.947206
0.24701064	0.05925985	0	0.37592	0.6811	0	10.245742	20.24907	0.873452
0.43647416	0.09395857	0	0.2442	0.4566	0	10.783954	14.64145	0.527943
0.1563287	0.06574784	0	0.37998	0.57988	0	9.5045704	19.82847	0.8858
0.80236526	0.07236034	0	0.27937	0.97704	0	10.021077	14.8123	0.810386
0.11154849	0.04239387	0	0.22634	0.33878	0	6.3797308	11.2935	0.980789
0.18430115	0.07068183	0	0.40675	0.61535	0	10.378947	20.6912	0.849371
0.53998947	0.08493288	0	0.55548	1.08627	0	9.745506	20.76986	0.944346
0.64990981	0.0807658	0	0.85123	1.14957	0	9.9050261	18.84656	0.902288
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	#DIV/0!
0.25872368	0.05452817	0	0.71648	0.70776	0	9.118354	17.46743	0.874182
0.54215783	0.08743074	0	0.58563	1.10046	0	9.9657987	20.87467	0.944169
0.4441313	0.09649789	0	0.71871	0.46779	0	8.7333312	19.03708	0.919683
0.22099827	0.06384617	0	0.35357	0.69408	0	8.0931162	16.39575	0.935596
0.32020303	0.06183898	0	0.50594	0.96845	0	8.6894272	12.56456	0.784415
0.22395199	0.03103322	0	0.30822	0.3284	0	6.7791419	10.60864	0.727299
0.93106712	0.08396188	0	0.32418	1.13376	0	11.387531	17.18826	0.810387
0.350358	0.05121093	0	0.62845	0.77343	0	9.2475259	17.24505	0.896338
0.23697527	0.04094944	0	0.68243	0.85539	0	9.7305029	16.17116	0.870219
0.66957958	0.03818839	0	0.24406	0.63097	0	8.35935	12.43053	0.804338
0.26174722	0.04860262	0	0.48131	0.80222	0	9.4999719	18.47434	0.914158
0.32966609	0.09688608	0	0.46772	0.71281	0	9.5962848	18.74824	0.886333
0.67554936	0.05127369	0	0.32898	0.76576	0	6.8926169	13.85291	0.92437
0.24892316	0.07342929	0	0.53689	0.6026	0	9.5012448	18.8119	0.85481
0.19692657	0.05997078	0	0.42922	0.49054	0	9.4761393	18.6202	0.850432
0.14274223	0.0483966	0	0.18548	0.34063	0	5.311865	8.6064	0.784281
0.23765719	0.51590484	0	0.60218	1.03744	0	8.9492512	15.03584	0.894951

1.32538986	0.09237592	0	0.65744	0.97944	0	11.02238	22.55757	0.896721
0.27173834	0.02857674	0	0.27967	0.59406	0	9.1264986	18.32272	0.876724
0.50809173	0.08431143	0	0.85086	1.24979	0	11.316022	17.5398	0.811688
0.28661534	0.59342917	0	0.51808	1.17976	0	9.4349278	16.37055	0.885956
1.11947591	0.0419685	0	0.25581	0.46648	0	6.371134	11.59823	0.777437
0.93490625	0.10520261	0	0.72685	0.94774	0	9.7776797	18.91519	0.864671
0.3181875	0.0768059	0	0.69317	1.01443	0	8.259778	14.86613	0.906242
0.16536707	0.06323121	0	0.45476	0.49499	0	8.3964851	17.53106	0.889105
0.30807406	0.47097795	0	0.45167	1.24962	0	8.5092225	14.00347	0.838245
0.46174451	0.09096218	0	0.72742	1.36351	0	10.857063	16.05449	0.818442
0.22792524	0.03849702	0	0.4204	0.47355	0	7.7213454	14.51186	0.91237
0.97779109	0.08818143	0	0.34046	1.19074	0	11.95907	18.05144	0.810419
0.09661653	0.07382126	0	0.50401	0.49112	0	7.91845	14.94502	0.949281
0.25660411	0.102147	0	0.30207	0.70325	0	7.1527833	11.96356	0.867742
0.18419057	0.03670492	0	0.26332	0.55528	0	7.3521287	15.07317	0.94015
0.23602887	0.03164432	0	0.26283	0.66786	0	8.8593837	18.04491	0.90147
1.02237353	0.07607598	0	0.42305	0.80211	0	8.7512984	16.95918	0.875911
0.467207	0.07419474	0	0.70557	1.07766	0	10.170819	15.42478	0.793559
0.24167454	0.07761415	0	0.4499	0.72588	0	10.146929	18.93724	0.864564
0.16662239	0.0639041	0	0.36774	0.55634	0	9.4623117	18.70677	0.849382
0.60870535	0.14357658	0	0.773	1.18111	0	9.4953556	17.33282	0.897553
0.58171103	0.08988635	0	0.58433	0.79076	0	9.7647039	17.36485	0.84689
0.18250781	0.03637316	0	0.26094	0.55027	0	7.266959	14.93688	0.940185
0.71487604	0.08640807	0	0.48642	1.01295	0	8.5543561	16.74716	0.95195
0.13249967	0.07075786	0	0.49907	0.3656	0	9.0159526	16.49299	0.913142
0.1828074	0.05426739	0	0.88996	0.67859	0	10.202153	22.30021	0.93994
0.28559332	0.05624956	0	1.58005	0.96348	0	10.151264	18.04545	0.919275
0.63184307	0.1916203	0	0.37307	1.18211	0	9.1798855	14.31967	0.830863
1.11352845	0.11027289	0	0.73238	1.04403	0	9.5207988	19.51507	0.922771
0.19007583	0.03119446	0	0.39552	0.45058	0	7.7718468	14.51953	0.819269
0.05706874	0.01743274	0	0.2301	0.53136	0	7.3240928	11.88675	0.776195
0.57383515	0.08841404	0	0.56164	0.77332	0	8.9919658	17.10868	0.882527
0.30235656	0.05142036	0	0.66504	0.87357	0	9.8818533	18.82773	0.866806
0.33820486	0.06223782	0	0.47984	0.73128	0	10.921347	19.23389	0.886333
0.09102389	0.06938449	0	0.47371	0.46175	0	7.4521994	14.05349	0.94848
0.26929912	0.05753529	0	0.41259	0.66034	0	8.3537928	16.87514	0.921157
0.30922757	0.04968157	0	0.49482	0.73463	0	8.017923	11.72413	0.768918
0.1085537	0.07703524	0	0.51321	0.3852	0	8.5465788	16.83467	0.999387
0.67978981	0.09007253	0	1.48389	1.35495	0	12.17975	19.88771	0.843334
0.30201228	0.05136171	0	0.66428	0.87257	0	9.9642207	18.80628	0.866805
0.2438459	0.08663297	0	0.31361	0.57048	0	8.9334936	13.63743	0.695703
0.15589245	0.06556224	0	0.3789	0.57823	0	9.4778789	19.77218	0.885774
0.83875528	0.05478302	0	0.29917	0.73226	0	9.1167742	13.97105	0.8332
0.59557212	0.06438189	0	0.49015	1.27363	0	10.706171	16.04249	0.769667

0.26923304	0.0660617	0	0.73608	0.78055	0	8.7765342	16.50345	0.834779
0.83495757	0.08689107	0	0.41993	1.08983	0	9.3856523	15.08036	0.835133
0.28703368	0.03165698	0	0.68082	0.76517	0	10.800636	20.1254	0.899052
0.88800321	0.08007512	0	0.30918	1.08131	0	10.870966	16.39301	0.810383
0.30256578	0.10559812	0	0.27342	0.51099	0	11.809381	16.40361	0.526657
0.15317901	0.0315242	0	0.28232	0.34643	0	5.6651884	10.23578	0.893414
0.33216108	0.05333765	0	0.53082	0.78877	0	8.7605861	12.57694	0.768715
2.15496582	0.08018051	0	0.49726	1.07647	0	10.027286	18.66686	0.829943
0.70111266	0.26207418	0	0.39623	0.626	0	9.0115164	12.97974	0.923038
0.44698377	0.07098216	0	0.67499	1.03093	0	9.6310015	14.75617	0.793518
0.33964266	0.05603197	0	0.41425	0.51205	0	9.0340056	15.81409	0.815711
0.07611457	0.06292748	0	0.49633	0.36892	0	6.6269904	13.0183	0.977357
0.08063764	0.10641338	0	0.49627	0.42854	0	7.3213745	14.26711	0.97596
0.42040675	0.20813709	0	0.538	1.34907	0	12.07954	20.42152	0.797893
0.02485845	0.01124798	0	0.56288	0.63609	0	2.338914	2.51174	0.945398
0.5283749	0.07483718	0	0.33201	0.78359	0	7.3526934	11.54179	0.820342
0.1956367	0.13246264	0	0.57472	0.8058	0	7.5526456	11.99092	0.877993
0.16823148	0.03077414	0	0.38281	0.43886	0	7.8020519	13.69769	0.830604
0.11249189	0.03916528	0	0.35535	0.51019	0	6.4734545	11.1663	0.900942
0.64649654	0.10460836	0	0.56392	0.88932	0	8.0999108	17.07422	0.980093
0.69208181	0.09015868	0	0.49558	0.43717	0	8.7685897	18.88102	0.908948
0.87805083	0.03604612	0	0.41824	0.50905	0	9.93324	15.65644	0.832442
2.15475962	0.06939985	0	0.49696	1.11671	0	9.846222	19.22401	0.86576
0.08852976	0.0732883	0	0.29612	0.36631	0	5.2609178	10.12028	1.019343
0.29333243	0.06359417	0	0.81388	0.68529	0	8.5120945	16.30864	0.899832
0.20934051	0.07152657	0	0.4413	0.36633	0	8.0890445	17.0776	0.91968
0.84130921	0.18374796	0	0.35211	0.97733	0	8.8677897	16.2423	0.846021
0.38401201	0.04417316	0	0.25539	0.32398	0	5.193978	9.04521	0.81108
0.24892195	0.05392524	0	0.60706	1.00564	0	6.7665794	10.24451	0.885736
0.41084103	0.07443779	0	0.67139	0.88959	0	9.5507774	18.64223	0.93344
0.10371062	0.07199936	0	0.45399	0.30902	0	7.815118	14.77341	0.932814
0.3051584	0.04117168	0	0.21077	0.19176	0	4.0797499	8.28275	0.8971
0.23222675	0.07392677	0	0.31404	0.64426	0	8.1600085	13.50517	0.795355
0.29686014	0.1034381	0	0.26842	0.50177	0	11.602277	16.09739	0.52741
0.35415698	0.08255361	0	0.57349	1.24278	0	9.0047232	13.84883	0.81417
0.48735888	0.08942612	0	0.77504	1.28905	0	10.67698	18.71124	0.871902
0.33438726	0.16605576	0	0.40873	0.74674	0	12.870459	19.68769	0.655369
0.57856007	0.06033595	0	0.59545	1.3599	0	10.201044	15.82918	0.793125
0.96266916	0.09229575	0	0.27896	1.09031	0	7.7076675	13.1051	0.833512
0.58682271	0.08123446	0	0.58514	0.73926	0	9.1534057	17.34321	0.867684
0.36716995	0.08124193	0	0.57673	1.00024	0	9.3964847	14.02038	0.809565
0.23767455	0.03893092	0	0.22165	0.75332	0	7.5743207	13.52378	0.882944
0.25878709	0.11938703	0	0.36102	0.9913	0	8.5264749	14.75024	0.845122
0.21786235	0.07627807	0	0.87009	0.50755	0	9.2337982	18.63256	0.896815

0.15283996	0.1134694	0	0.42691	0.69812	0	8.6498337	15.41472	0.927739
0.1879586	0.05850412	0	0.63573	0.4956	0	9.6932549	17.12719	0.84389
0.14578376	0.16741429	0	0.38828	0.96093	0	10.608009	21.74138	0.889966
0.44940914	0.07461877	0	0.7528	1.10614	0	10.009622	15.5182	0.811977
0.16920501	0.09360624	0	0.46756	0.72902	0	9.1042846	16.87211	0.904777
0.32786483	0.17038355	0	1.07527	0.86558	0	8.3022198	12.21805	0.874968
1.705873	0.07183835	0	0.40143	0.86297	0	8.2965573	19.43329	0.9712
0.66786077	0.08842135	0	0.34699	0.85219	0	8.4637518	13.32117	0.845977
0.33767461	0.02592532	0	0.25866	0.42254	0	7.9692512	12.84152	0.963976
0.19412375	0.03186004	0	0.40395	0.46018	0	8.1229105	14.82897	0.819278
0.18500037	0.05633263	0	0.40323	0.46084	0	8.6942413	17.49258	0.850434
0.13274093	0.02571878	0	0.19035	0.36642	0	6.1510283	10.1266	0.83005
0.61192744	0.07275452	0	0.56048	1.15416	0	9.2943939	14.51769	0.758059
0.16139297	0.04961099	0	0.63169	0.63987	0	8.663375	16.39777	0.852563
0.36939932	0.08625214	0	0.59806	1.29855	0	9.4564424	14.44687	0.814979
0.45362663	0.97145955	0	0.39144	0.62771	0	6.2669835	8.60664	0.766028
1.25337664	0.107899	0	0.59383	0.94663	0	10.278539	17.49868	0.748566
0.08182336	0.06577035	0	0.4962	0.5427	0	7.5428528	14.21136	0.951309
0.61847583	0.08194997	0	1.35005	1.23274	0	11.081212	18.09398	0.843335
0.58722476	0.09565697	0	0.79163	1.17745	0	10.723727	20.0306	0.904821
0.85103005	0.09056853	0	0.55416	1.02371	0	10.822573	19.75155	0.892779
0.10971969	0.07450088	0	0.46329	0.33431	0	7.7703454	14.70788	0.960765
0.10891247	0.0755134	0	0.47611	0.32412	0	8.2041349	15.50146	0.932352
1.15663545	0.07248203	0	0.44607	0.69611	0	8.2715777	15.46262	0.838834
0.09297422	0.05392812	0	0.28318	0.38862	0	5.5869329	10.06279	0.911075
0.36879534	0.10986799	0	0.68287	1.09553	0	11.418259	18.27237	0.820242
0.80383842	0.24138365	0	0.37871	0.89927	0	7.3593737	12.07686	0.928061
0.22310513	0.0165861	0	0.2879	0.51335	0	12.540914	15.26193	0.378192
0.07868485	0.01877212	0	0.22115	0.4378	0	6.7378201	11.30712	0.821943
0.21139675	0.05696225	0	0.60377	1.0171	0	7.3466997	10.82539	0.925702
0.17104543	0.06248822	0	0.36548	0.56315	0	8.9026169	18.31304	0.895293
0.34395898	0.04245045	0	0.46054	0.53696	0	9.0175524	15.35968	0.821079
0.37786052	0.13685965	0	0.52821	1.22667	0	11.108956	18.86448	0.830067
0.60039814	0.18207989	0	0.35451	1.12328	0	8.7230581	13.60706	0.830864
0.33589943	0.03148113	0	0.31798	0.68139	0	9.8821769	18.97293	0.839397
0.18919149	0.09668696	0	0.26785	0.67163	0	5.9585808	10.08955	0.840807
0.12621552	0.03886837	0	0.39123	0.55051	0	6.0128902	9.97482	0.923687
0.43447234	0.17698933	0	0.57193	1.07612	0	8.5146113	15.54126	0.910651
0.78740818	0.08744713	0	0.40135	0.98632	0	10.545834	16.2767	0.831603
0.46810122	0.07579772	0	1.53156	1.19825	0	10.72383	17.86118	0.896694
0.10122449	0.0347093	0	0.25663	0.49399	0	6.0880632	10.1637	0.860881
0.53068116	0.07790201	0	0.51594	0.69343	0	8.0900011	15.07345	0.88142
0.29211998	0.05288802	0	0.56633	0.73434	0	9.9374502	18.91557	0.950503
0.67074049	0.12695008	0	0.46262	1.33771	0	10.73805	16.20299	0.731771

0.62124456	0.1175907	0	0.42848	1.239	0	9.6381778	15.00736	0.731772
0.76846736	0.08604242	0	0.5027	0.77029	0	7.3713466	15.49556	0.932661
0.40386902	0.04483899	0	0.25031	0.34847	0	6.9573866	10.68499	0.947197
0.44011962	0.06099328	0	0.31215	0.27733	0	5.8471783	12.02898	0.889482
0.55476969	0.08467941	0	0.715	0.53932	0	9.3662143	20.67447	0.918184
0	0.0006588	0	0.18411	2.34505	0	2.5727561	2.57391	-11.2766
0.16206454	0.10177358	0	0.35289	0.39751	0	6.6906504	12.68273	0.939839
0.64625695	0.10157302	0	0.31651	1.02082	0	7.2824211	12.23532	0.872908
0.32606754	0.09052366	0	0.56121	1.26732	0	9.0208326	13.78249	0.821717
0.39616416	0.11187683	0	0.78553	1.37488	0	10.300951	16.33247	0.859075
0.18991325	0.04816667	0	0.5809	0.60542	0	8.7215652	15.40673	0.880858
0.28800059	0.10052246	0	0.26025	0.48637	0	11.24106	15.61382	0.526623
0.15628995	0.13291378	0	0.22475	0.55569	0	5.0044244	8.25141	0.8326
0.89218351	0.05801344	0	0.3429	0.67611	0	6.3227302	12.14574	0.883142
0.08410774	0.06244611	0	0.40788	0.33393	0	6.4806536	12.37967	0.96786
0.55416242	0.1033702	0	0.35155	0.64239	0	11.63115	16.92771	0.656059
0.11493517	0.12168555	0	0.26389	0.44172	0	7.3988771	14.36896	0.955487
0.75058736	0.10004218	0	0.41207	1.16027	0	9.0284994	14.6359	0.84935
0.52746979	0.09977061	0	0.59145	1.17326	0	9.0564653	14.55312	0.885507
0.38244229	0.07534013	0	0.60249	1.12934	0	8.6043091	13.29733	0.818444
0.10665325	0.10636378	0	0.25272	0.39771	0	7.1299135	13.32925	0.958994
0.38854103	0.07628745	0	0.35379	0.96839	0	7.2542946	14.11187	0.979007
0.10879114	0.04665784	0	0.29497	0.47833	0	5.9113674	11.41397	0.947204
0.36339605	0.06961564	0	0.57267	1.08993	0	10.055746	14.23867	0.780285
0.16085327	0.12674018	0	0.43188	0.52508	0	8.1167733	14.98058	0.928563
0.55447958	0.08613393	0	0.52907	1.19411	0	9.1641298	14.66825	0.823901
0.3586371	0.09704108	0	0.46979	0.79372	0	9.8517934	16.99552	0.893367
0.39673535	0.1841491	0	0.51569	1.17914	0	11.036801	18.68046	0.817795
0.65244568	0.10268975	0	0.58123	1.3546	0	9.9176292	15.9138	0.781885
0.11055843	0.04011603	0	0.29119	0.45557	0	6.4406711	11.76152	0.925337
0.13592128	0.04207386	0	0.32029	0.34569	0	6.2305457	11.06329	0.893931
0.11411415	0.03444314	0	0.31059	0.53445	0	5.7681108	10.1042	0.92751
0.65048501	0.17677708	0	0.42208	0.70016	0	6.3002535	10.21495	0.887161
0.61047577	0.08083121	0	0.31717	0.77896	0	7.6750412	12.17659	0.845972
0.4362387	0.09703792	0	0.51248	0.53501	0	8.4578838	18.81353	0.952606
0.28993703	0.05112164	0	0.42563	0.57407	0	9.9289511	15.96755	0.75762
0.23215765	0.05573583	0	0.14308	0.24324	0	4.9464481	8.96494	1.009099
0.52911073	0.07506258	0	0.51099	0.94687	0	9.888851	14.75685	0.76586
1.18851189	0.04298726	0	0.26995	0.69406	0	8.6030598	13.71696	0.769088
0.43010506	0.04788153	0	0.57951	0.81729	0	7.834678	12.56139	0.851385
0.28864487	0.06214935	0	0.72305	0.65763	0	8.3977086	17.25162	0.940878
0.36670531	0.06674748	0	0.38847	0.92665	0	10.206781	18.98962	0.834272
0.34872517	0.06166661	0	1.40895	1.00234	0	9.0033023	15.78686	0.842048
0.08709684	0.02070597	0	0.24522	0.54328	0	6.4583212	10.5908	0.793542

0.31019236	0.05177849	0	0.42786	0.65959	0	8.4436991	17.71641	0.919272
0.26760254	0.02288113	0	0.12575	0.35386	0	5.8230826	8.35122	0.985805
0.5526795	0.099437	0	0.6577	1.43469	0	10.163617	16.15235	0.807952
0.34132922	0.12769651	0	0.41569	0.95161	0	9.380011	17.20801	0.841912
0.09501108	0.03579974	0	0.28562	0.39898	0	6.2050968	11.13474	0.917273
0.24356827	0.07703101	0	0.78779	1.28668	0	8.5623859	12.75096	0.920343
0.33603215	0.03321659	0	0.25968	0.4055	0	5.761811	10.01057	0.846099
0.35880149	0.08067375	0	0.94833	1.01564	0	9.7606233	14.75343	0.87848
0.19817999	0.07230018	0	0.447	0.4409	0	7.0343802	14.24413	0.918424
0.21055154	0.06967688	0	0.43484	0.35849	0	7.8926718	16.63499	0.916918
0.851473	0.04357455	0	0.34137	1.03954	0	8.5517529	14.82624	0.854768
0.10787707	0.07446317	0	0.35671	0.32114	0	5.5457999	10.18204	0.890877
0.26198178	0.17483267	0	0.4349	0.81834	0	10.337275	17.21992	0.794091
0.85831685	0.07193454	0	0.303	0.86343	0	8.8236664	14.73781	0.843787
0.74126214	0.0879494	0	0.54587	1.12385	0	8.5662001	12.84164	0.754317
0.75138073	0.09948381	0	0.39038	0.95876	0	9.5223007	14.98713	0.845974
0.6619932	0.08026136	0	0.4834	1.02388	0	7.6325455	11.89957	0.801048
0.65465815	0.21550645	0	0.40717	1.08339	0	9.5455341	17.97106	0.897562
0.41339197	0.07760284	0	0.38125	1.25289	0	9.4202336	14.20407	0.860552
0.68082309	0.08168674	0	0.50529	1.05106	0	7.9617488	12.2864	0.79399
0.23452281	0.06657459	0	0.55377	1.37412	0	7.8032381	10.85854	0.959849
0.10091096	0.05442118	0	0.46726	0.48842	0	7.3931078	13.55066	0.887385
0.12957111	0.03231238	0	0.40592	0.56166	0	6.640831	12.28674	0.9311
0.19946816	0.03281623	0	0.40279	0.51874	0	7.8072388	15.28531	0.856592
0.27890264	0.05911402	0	0.30228	0.77172	0	9.1436917	17.82061	0.860456
0.21128939	0.17857772	0	0.39273	0.7577	0	9.2847233	15.54955	0.84518
0.53574846	0.13177928	0	0.59392	1.39556	0	9.2804839	14.65488	0.804354
0.63119289	0.11642766	0	0.4116	0.5544	0	8.0527679	16.837	0.924253
0.24482564	0.04940767	0	0.47493	0.9625	0	10.718008	18.0943	0.880901
0.51544071	0.1563159	0	0.30434	0.96434	0	7.4887492	11.68167	0.830864
0.35903579	0.06400829	0	0.36556	0.2988	0	5.9846668	12.62304	0.903295
0.58021806	0.08652374	0	0.68095	0.9363	0	8.5364978	17.76493	0.935542
0.47429488	0.14689278	0	0.34182	0.84407	0	7.8559882	14.14052	0.835936
0.29241623	0.07048308	0	0.88634	0.83534	0	9.3112076	17.62302	0.866783
0.37400448	0.02946735	0	0.34619	0.85185	0	10.319117	13.65827	0.673584
0.1173025	0.12075808	0	0.27713	0.4496	0	7.3919722	14.77333	0.955786
0.16747566	0.05396027	0	0.65782	1.02566	0	6.9899418	10.2689	0.956823
0.84594408	0.06740093	0	0.55532	0.95883	0	10.182989	15.94486	0.857353
0.17587949	0.11643445	0	0.23946	0.74671	0	8.6225292	14.19878	0.89337
0.31023194	0.05850976	0	0.55215	1.26064	0	7.7243046	11.10734	0.878144
0.28386163	0.15975644	0	1.30074	0.85734	0	9.4918588	15.44999	0.864162
0.20835785	0.06632646	0	0.28176	0.57803	0	7.3211877	12.11689	0.795352
0.37904512	0.04210193	0	0.23493	0.32706	0	6.5301077	10.02868	0.947154
0.29376874	0.07376425	0	0.76099	1.0182	0	7.9053441	11.82196	0.893586

0.41301418	0.06339798	0	0.54605	0.89273	0	8.2048139	12.72423	0.812896
0.1005464	0.04657773	0	0.35875	0.38324	0	6.7744103	12.26631	0.948879
0.64964285	0.07707589	0	0.47839	0.98488	0	7.5075092	11.25421	0.754285
0.2330463	0.10353089	0	0.47365	0.39589	0	8.3722285	17.7158	0.914552
0.0625224	0.01909859	0	0.25208	0.58213	0	8.1396819	13.02262	0.776201
0.22939219	0.02641621	0	0.29699	0.46497	0	8.954757	13.46801	0.666884
0.28428088	0.08070474	0	0.67126	1.66567	0	9.4589718	13.16255	0.959851
0.10264943	0.03481531	0	0.29431	0.41359	0	6.279338	11.17258	0.926114
0.37020034	0.05589162	0	0.27972	0.25769	0	5.2263811	11.03353	0.92366
1.13846958	0.0910224	0	0.70496	1.08166	0	8.976865	17.97919	0.935442
0.33984438	0.02815998	0	0.25674	0.52548	0	6.6328264	12.02244	0.8458
0.27728334	0.15068069	0	0.3654	0.67913	0	11.003178	16.72111	0.682683
0.12138462	0.05982189	0	0.24403	0.26821	0	5.2889078	10.46777	0.99954
0.45010349	0.08507585	0	0.50438	1.00037	0	7.4719954	12.4139	0.885211
0	0	0	0.08464	2.1792	0	2.2662389	2.26474	-2082.11
0.40720409	0.12748319	0	1.13563	1.16177	0	9.5386811	14.5497	0.951279
0.08152617	0.02133401	0	0.27754	0.65846	0	8.5234241	13.63454	0.774057
0.08601881	0.01619604	0	0.18831	0.53803	0	6.0887071	10.3715	0.826629
0.20219458	0.09201915	0	0.41311	0.34871	0	7.4660172	15.74194	0.914846
0.12024649	0.03279595	0	0.34603	0.81264	0	6.8075668	10.50766	0.868695
0.77533301	0.09107885	0	0.30596	0.79675	0	9.3358286	14.80216	0.847207
0.38113874	0.07733125	0	0.23282	0.62739	0	7.0711109	10.32464	0.922914
0.10526284	0.03427263	0	0.3372	0.3836	0	5.9567871	10.33043	0.86801
0.45555181	0.14731008	0	0.36609	0.50641	0	7.1622151	10.07135	0.947444
0.18969111	0.04741796	0	0.40473	0.57147	0	8.3760271	15.18878	0.870094
0.27168113	0.05483118	0	0.52702	1.06808	0	11.036212	20.07902	0.880901
0.10803895	0.0384176	0	0.31948	0.4468	0	6.501688	11.60189	0.925416
0.16527667	0.05053936	0	0.37424	0.56136	0	7.0516072	11.50502	0.838438
0.49473712	0.05509697	0	0.34968	0.42433	0	7.1939735	13.12282	0.839329
0.13067266	0.03787083	0	0.39711	0.88866	0	7.591512	12.13616	0.867163
0.23784382	0.30055388	0	0.49075	1.09413	0	9.6200748	16.31969	0.841746
0.26830007	0.19145786	0	0.37172	1.01956	0	8.9040964	15.20401	0.841686
0.14669588	0.07947739	0	0.4884	0.27854	0	6.8254193	12.74533	0.912905
0.47918375	0.08292692	0	0.36084	0.83801	0	7.2652119	11.58013	0.858182
0.11875361	0.04720257	0	0.26353	0.36688	0	6.4445495	11.24935	0.947208
0.0520303	0.15125764	0	0.19277	0.28354	0	5.7785264	9.37729	1.015747
0.59265778	0.08969891	0	0.55673	1.0181	0	7.9438272	12.76477	0.859928
0.25372946	0.04971706	0	0.49521	0.85521	0	10.119146	17.59944	0.9205
0.10951422	0.03812999	0	0.34595	0.49669	0	6.3021319	10.87078	0.900941
0.46062091	0.06991659	0	0.7645	1.4311	0	9.8700624	15.57112	0.845368
0.85434844	0.09747287	0	0.33226	0.82483	0	8.8384619	15.11373	0.859601
0.09053913	0.02524958	0	0.27572	0.55823	0	8.0261868	13.61343	0.839234
0.26149431	0.2539599	0	0.09057	0.19154	0	4.3975099	6.80558	0.787707
0.1019359	0.11918745	0	0.36206	0.55197	0	6.9514831	11.938	0.99194

0.21038119	0.06803889	0	0.22948	0.81982	0	6.0785151	8.54881	1.055983
0.15985977	0.05744059	0	0.53187	0.35785	0	6.6710585	12.27706	0.906413
0.69902949	0.10053462	0	0.43562	1.18135	0	8.6859076	14.31465	0.870112
0.15411941	0.04327712	0	0.24481	0.53801	0	9.0479516	14.26287	0.738393
0.04776769	0.16015017	0	0.18806	0.26891	0	5.115539	8.80898	0.983106
0.09618835	0.03436653	0	0.34071	0.38392	0	5.6795821	10.07151	0.893726
0.33298524	0.07719259	0	0.37066	0.67958	0	8.2349895	15.4744	0.940353
0.1052895	0.07619886	0	0.2374	0.28873	0	5.3825993	10.71705	0.921528
0.175479	0.05361461	0	0.37769	0.43411	0	7.9868784	15.70466	0.870537
0.09694908	0.05775078	0	0.52525	0.51721	0	7.4973376	14.02035	0.907922
0.13410739	0.04299235	0	0.24362	0.33308	0	7.1609485	13.79259	0.919448
0.46658085	0.04549911	0	0.34512	0.51275	0	7.9630607	14.11747	0.823804
0.08779225	0.09019739	0	0.22947	0.34706	0	5.9543529	11.44263	0.949911
0.48106087	0.08048142	0	0.45579	1.42178	0	9.673259	14.73381	0.872427
0.1077602	0.08160358	0	0.23241	0.54864	0	5.0967587	8.65888	0.864487
0.16930858	0.17650495	0	0.38972	0.91825	0	8.519848	14.62331	0.901478
0.22924884	0.08657427	0	0.97335	0.66998	0	7.5572224	13.58667	0.933277
0.45407133	0.10634069	0	1.35299	1.33401	0	10.959109	17.29548	0.845862
0.24338506	0.0550374	0	0.49402	1.25861	0	10.125283	15.2295	0.826482
0.29524431	0.1452517	0	1.02229	0.90127	0	7.9899322	11.54711	0.89122
0.25820064	0.05592827	0	0.62968	1.04311	0	6.9702902	10.6261	0.88573
0.83485852	0.05438736	0	0.3096	0.7277	0	8.388179	13.90311	0.802129
0.07828561	0.03362535	0	0.33101	0.4372	0	5.4761652	9.5868	0.914248
0.18340775	0.08783475	0	0.39201	0.38558	0	7.6249611	16.10121	0.917297
0.16885242	0.04313476	0	0.30561	0.36551	0	6.561404	11.93182	0.931501
0.78095685	0.09304196	0	0.52192	0.76675	0	7.5573353	14.68994	0.911831
0.09265098	0.026221	0	0.26225	0.50702	0	6.8473734	11.68128	0.849137
0.56642938	0.06463718	0	0.4785	0.9211	0	8.1412461	13.78071	0.843918
0.10517921	0.08749413	0	0.29657	0.33997	0	7.1835389	13.62161	0.992467
0.178751	0.0662843	0	0.44724	0.63125	0	8.3162808	12.80396	0.825001
0.17017022	0.05672302	0	0.37205	0.77499	0	7.2364886	12.38629	0.909537
0.11208688	0.09587861	0	0.25024	0.39069	0	6.3239193	12.79308	0.955904
0.28890357	0.06493979	0	0.76354	0.81765	0	7.9171445	11.87887	0.878413
0.44000824	0.07473929	0	0.68628	0.9096	0	8.0474698	13.16523	0.854996
0.06817439	0.08276885	0	0.1248	0.3296	0	4.9548693	8.00535	0.939113
0.19502209	0.08966679	0	0.4302	0.35827	0	7.2314446	15.33681	0.922808
0.36378193	0.115975	0	1.10386	1.03456	0	7.8388055	12.40105	0.919096
0.55159733	0.14790445	0	0.70177	1.08356	0	8.3353012	15.48374	0.912316
0.12287013	0.02298459	0	0.37418	0.77778	0	7.0237989	11.78912	0.895906
0.38260471	0.04683157	0	0.60857	0.71754	0	7.8486922	11.95915	0.806816
0.17708137	0.05902749	0	0.38715	0.80645	0	7.7217234	12.88898	0.909532
0.48293007	0.05502984	0	0.29584	0.41554	0	5.8227754	9.7511	0.965693
0.1366632	0.08463011	0	0.30916	0.34134	0	6.6420444	14.01996	0.935805
0.11962557	0.03812111	0	0.30859	0.59279	0	7.0195839	12.22665	0.900062

0.32475368	0.05764264	0	0.26939	0.34677	0	5.1600012	9.57196	1.035835
0.18285586	0.02547157	0	0.26415	1.04866	0	7.1031637	11.36183	0.901693
0.59396591	0.07235336	0	0.64821	0.9893	0	8.5499304	15.4645	0.900863
0.35346608	0.13974784	0	0.67324	1.50774	0	9.4961121	14.44949	0.8367
0.09589161	0.02377123	0	0.31773	0.58096	0	6.4461184	11.62275	0.918677
0.11548898	0.03599934	0	0.31578	0.37853	0	5.6230361	9.9814	0.902476
0.23655379	0.12694914	0	1.96457	1.48124	0	8.6194342	13.05627	0.988182
0.38998737	0.10300138	0	0.27345	0.91861	0	7.7184195	11.86139	0.865248
0.08869269	0.03834328	0	0.27964	0.46158	0	6.1133022	11.25537	0.950508
0.09054097	0.07560212	0	0.27418	0.24873	0	5.7329045	11.59783	0.951372
0.1127993	0.19226554	0	0.262	0.47179	0	5.7141114	9.68427	0.970964
0.1597769	0.04937653	0	0.30469	0.55555	0	6.4863169	10.79131	0.934548
0.22172238	0.02541421	0	0.11996	0.23816	0	5.014801	8.70462	0.986701
0.04129728	0.01753246	0	0.09469	0.29442	0	4.2577316	6.92508	0.941083
0.09146393	0.12599567	0	0.22651	0.37669	0	6.2027547	12.33727	0.976086
1.0162662	0.11607381	0	0.77705	1.15972	0	9.0525057	19.55907	0.982071
0.06848083	0.05629539	0	0.43094	0.44941	0	6.9180495	10.27685	0.783384
0.3257216	0.13169586	0	0.85625	1.69797	0	9.546947	13.2442	0.884436
0.59171843	0.15152367	0	0.41838	0.81668	0	6.5911556	10.33478	0.925148
0.2288094	0.04596449	0	0.51115	0.41859	0	8.1031911	13.8384	0.827418
0.5455174	0.06176563	0	0.24079	0.68093	0	5.9526516	9.88827	0.853288
0.04684957	0.12034635	0	0.17838	0.22818	0	4.886734	8.04729	1.008306
0.74132414	0.11998559	0	0.33295	1.19206	0	7.258437	12.17324	0.864285
0.19908739	0.08801096	0	0.19043	0.33373	0	5.4541737	9.63676	1.021442
0.18354552	0.02283659	0	0.33947	0.97824	0	10.054547	12.98531	0.801205
0.09312327	0.0333512	0	0.30468	0.43486	0	5.3283739	9.25294	0.915128
0.3132656	0.08915406	0	0.17828	0.31994	0	5.4013311	9.65599	1.011521
0.23181893	0.03307175	0	0.31659	1.13792	0	7.3740039	11.28906	0.83276
0.03696943	0.01819117	0	0.10551	0.32665	0	4.3558205	7.18665	0.991274
0.08038249	0.07830491	0	0.24894	0.32931	0	5.3925338	9.82151	0.993124
0.25375911	0.03451014	0	0.3444	1.22711	0	8.8384152	13.5877	0.811237
0.14107835	0.06316867	0	0.76444	1.38203	0	9.1696499	10.43968	0.838815
0.05669442	0.13805952	0	0.22698	0.24911	0	5.1552949	8.88077	0.990337
0.19383191	0.02231816	0	0.25095	0.3929	0	7.5667107	11.38038	0.666888
0.49856388	0.12664032	0	0.33592	0.99636	0	8.2820849	12.70047	0.795039
0.12324985	0.0220357	0	0.37946	0.82557	0	6.5717121	10.77637	0.914974
0.12483043	0.04446288	0	0.30058	0.4874	0	6.9495739	12.00055	0.889301
0.24458801	0.07765136	0	0.67041	1.68907	0	9.4247843	13.07039	0.92723
0.08376947	0.09125239	0	0.26888	0.3133	0	6.5460539	12.03257	0.981484
0.27621718	0.03519916	0	0.26992	0.84143	0	10.066721	13.79615	0.6593
0.08882629	0.04718771	0	0.29264	0.54045	0	6.113395	11.82254	0.952519
0.25067113	0.07055618	0	0.32487	1.23154	0	9.1309319	13.39046	0.885213
0.27569867	0.03347588	0	0.36961	1.41957	0	8.8315666	13.71655	0.840466
0.05172516	0.05604771	0	0.25942	0.27787	0	5.7578154	10.87717	0.995859

0.30076007	0.09158114	0	0.33657	0.60735	0	13.448872	15.33214	0.720193
0.03467437	0.15077244	0	0.19135	0.27323	0	5.6581394	9.54099	1.097794
0.42006589	0.0729664	0	0.69792	0.86689	0	8.9416379	13.82072	0.81595
0.14290954	0.03444566	0	0.32738	0.57273	0	8.5547834	15.41703	0.969562
0.70368825	0.07315582	0	0.28132	0.64227	0	7.1919084	11.88873	0.844528
0.17972785	0.03893198	0	0.37176	1.03648	0	5.3138284	7.97498	0.84296
0.46014884	0.12879524	0	0.30136	1.08435	0	8.6432553	13.18465	0.823753
0.06808889	0.03396884	0	0.16516	0.24518	0	5.5479117	10.28111	1.00966
0.41721883	0.08466831	0	0.25487	0.6868	0	7.7840601	11.30343	0.922768
0.24521625	0.0282343	0	0.33982	1.24515	0	8.3138273	13.14819	0.851063
0.05440153	0.07158937	0	0.34638	0.446	0	6.0041606	9.15843	0.803903
0.32661507	0.15253806	0	0.2481	0.55711	0	5.6255312	8.4873	0.978389
0.17089573	0.0955918	0	0.14655	0.60185	0	4.4093391	6.14747	0.907417
0.34186344	0.07138539	0	0.77419	1.42079	0	9.5311067	14.05295	0.823783
0.28094456	0.08554573	0	0.3144	0.56735	0	12.608246	14.32231	0.720194
0.45911037	0.09877373	0	0.6052	0.98842	0	7.7407421	12.04991	0.896805
0.389728	0.12635678	0	0.60005	1.22432	0	8.697822	13.48096	0.838855
0.37490278	0.07068732	0	0.70103	1.56788	0	6.9539233	8.22772	0.830735
0.39509296	0.07330456	0	0.73562	1.36443	0	9.4757928	13.37733	0.752459
0.1980204	0.08321695	0	0.1334	0.16125	0	2.7208638	3.37355	0.926031
0.09145581	0.04084981	0	0.39595	0.3619	0	5.481786	9.75185	0.905694
0.09953058	0.02649669	0	0.23691	0.58454	0	7.7621694	12.90234	0.776604
0.19210602	0.09996857	0	0.80667	1.20234	0	8.0106388	10.24644	0.858689
0.27988156	0.02166727	0	0.13781	0.15067	0	3.7505803	5.39801	1.052257
0.31422265	0.07689656	0	0.27155	0.54119	0	5.3714178	9.61756	0.876097
0.40518042	0.04512347	0	0.54599	0.7702	0	7.0780853	11.83374	0.85153
0.09236585	0.02434582	0	0.34212	0.57732	0	6.4668715	11.9028	0.935959
0.10440437	0.04715207	0	0.3363	0.46116	0	5.6975497	10.08912	0.942021
0.22539594	0.06260669	0	0.69819	1.57645	0	7.8986108	11.06937	0.882754
0.49331341	0.18237442	0	0.3773	1.06821	0	8.3894146	14.85575	0.887394
0.23627899	0.10098166	0	0.15541	0.19027	0	2.906039	4.07105	0.889893
0.05220823	0.01069888	0	0.10104	0.28501	0	4.2972948	6.44524	0.99071
0.22667474	0.0421263	0	0.38156	0.83943	0	7.6831133	12.33295	0.855649
0.22874515	0.12275906	0	1.89974	1.43236	0	8.3350324	12.62547	0.988186
0.55363517	0.0633178	0	0.3635	0.83576	0	7.2485914	11.9414	0.831549
0.67408665	0.16493174	0	0.70213	1.73592	0	9.8526061	11.78567	1.010603
0.26428427	0.07652026	0	0.33356	0.68698	0	13.138557	13.26577	0.781796
0.16392616	0.01966432	0	0.10593	0.32226	0	5.0853262	7.47393	0.91287
0.04608397	0.03201754	0	0.35154	0.39721	0	7.0800199	8.63254	0.852892
0.30696444	0.06577269	0	0.52249	0.41707	0	8.1683444	15.31254	0.832188
0.13697395	0.0439051	0	0.34691	0.37617	0	5.9479817	10.47226	0.881666
0.06078287	0.18808429	0	0.21146	0.83931	0	6.2940883	9.33394	0.951227
0.12728092	0.12501598	0	0.40961	0.52486	0	7.6786518	12.55396	0.833098
0.17589492	0.04891017	0	0.15098	0.51762	0	4.783449	6.86167	0.970571

0.45494434	0.03715953	0	0.28534	0.39809	0	6.8411844	11.52965	0.825003
0.22840129	0.14342917	0	0.16935	0.30973	0	5.8544104	8.56951	0.926047
0.1204822	0.07442347	0	0.28161	0.31446	0	6.3213258	12.26481	1.02455
0.09493704	0.02016062	0	0.30581	0.69107	0	6.0434067	10.90361	0.970713
0.11090136	0.11293023	0	0.65386	1.89282	0	8.4919292	11.29714	1.061721
0.0584732	0.10019686	0	0.16114	0.42395	0	6.2734047	10.07688	0.956728
0.12429956	0.04729412	0	0.35451	0.3298	0	6.2783417	10.76511	0.836244
0.02279125	0.00326475	0	0.55652	5.14188	0	7.789745	8.40504	1.0957
0.21914025	0.0213968	0	0.28445	1.15278	0	7.0639101	11.53702	0.853562
0.5234957	0.10462858	0	0.69374	1.21185	0	8.8803124	14.09635	0.888371
0.07770456	0.04313991	0	0.42603	0.41837	0	6.6367034	9.59299	0.789943
0.06832571	0.05616802	0	0.42996	0.44839	0	6.8872395	10.2535	0.783381
0.19642341	0.039189	0	0.28489	0.87349	0	8.0342745	11.79568	0.812026
0.1632661	0.02705448	0	0.33424	0.7301	0	4.7503266	7.71761	0.941559
0.61416808	0.10304494	0	0.68031	1.30934	0	8.5789389	13.86654	0.863614
0.19580687	0.02188493	0	0.33355	0.81548	0	9.0671302	13.16198	0.753391
0.50548964	0.0967502	0	0.40561	0.93076	0	7.5357116	12.65518	0.874532
0.23002916	0.04751009	0	0.4044	1.01228	0	8.6755759	12.82569	0.890099
0.07459435	0.02975058	0	0.32121	0.47736	0	4.7274451	7.44964	0.937326
0.04919911	0.04919219	0	0.13192	0.21987	0	4.4472699	8.16051	0.993489
0.26266256	0.13585819	0	0.67727	1.75216	0	8.8176272	10.95096	0.800097
0.49434063	0.10079735	0	0.60327	1.11768	0	9.0827296	14.73348	0.852234
0.20558012	0.04688616	0	0.32218	1.31635	0	6.3835771	10.24746	0.951865
0.36812203	0.1149024	0	0.61342	1.06707	0	8.2495451	15.09732	0.873752
0.14643845	0.05535865	0	0.83402	0.85756	0	5.6277419	6.73812	0.78078
0.24977233	0.03748212	0	0.10065	0.22156	0	4.2585407	6.76849	1.021867
0.19458458	0.04774668	0	0.29664	0.64219	0	6.8388031	10.8911	0.911586
0.22361294	0.02607191	0	0.55771	0.82676	0	9.3740339	14.04086	0.7958
0.05920956	0.08580418	0	0.21486	0.74635	0	6.2518717	10.47238	1.018603
0.29056705	0.10502004	0	0.26778	0.71573	0	6.2452524	9.86663	0.824795
0.26815458	0.02727587	0	0.60296	0.8737	0	9.9831103	14.66116	0.742337
0.20095251	0.02381873	0	0.32039	1.1768	0	8.7928293	12.21027	0.874307
0.42874907	0.08936779	0	0.97213	0.99385	0	8.6241527	16.11542	0.966568
0.14873128	0.08145686	0	0.28956	0.27448	0	5.8001447	10.07112	0.923144
0.38034632	0.06308064	0	0.76333	1.38003	0	9.9089432	10.42463	0.838809
0.16462608	0.02956591	0	0.38616	0.80255	0	6.4321307	9.77104	0.849076
0.1088057	0.11834998	0	0.23296	0.49821	0	5.2697384	8.74353	0.930657
0.14876256	0.04190255	0	0.28068	0.48332	0	7.7129162	12.61411	0.801599
0.13605735	0.01696836	0	0.10563	0.3818	0	5.2956941	7.55877	0.871954
0.30686917	0.10934996	0	0.19695	0.20022	0	2.9813391	4.45121	0.916935
0.14516031	0.03144524	0	0.38652	1.04877	0	8.0341931	12.90862	0.917688
0.08077249	0.04102991	0	0.5397	0.73265	0	6.9261786	9.33615	0.847731
0.21231191	0.04405412	0	0.3858	0.8668	0	8.0866016	12.54866	0.896319
0.04633414	0.02933109	0	0.32999	2.01379	0	7.3710471	9.69642	0.86179

0.3982395	0.17410505	0	0.29222	0.29542	0	4.630445	6.83185	0.922009
0.27609707	0.11314115	0	0.17521	0.21948	0	3.4414628	4.83137	0.893596
0.16932229	0.02673766	0	0.30079	1.10581	0	7.518623	10.9585	0.851539
0.3570929	0.0625823	0	0.82059	1.63319	0	8.9200242	12.55271	0.814791
0.70072568	0.0964951	0	0.47926	1.13569	0	9.1209356	14.5102	0.828946
0.24903061	0.02418925	0	0.41342	0.55653	0	5.6827608	8.85324	0.860421
0.37397043	0.07896569	0	0.56706	0.86558	0	8.6077136	13.06182	0.88679
0.13393769	0.14575657	0	0.6205	1.53409	0	7.7497738	10.41541	1.010603
0.04697816	0.18471533	0	0.17932	0.3039	0	5.8999934	9.45763	1.01561
0.16186391	0.02532823	0	0.34336	0.76447	0	5.9588646	9.27354	0.867838
0.5361239	0.06780943	0	0.99927	1.4284	0	9.5161216	12.8255	0.732849
0.1406219	0.13639283	0	0.30969	0.3477	0	6.4120042	11.20033	0.928495
0.34850572	0.05509411	0	0.83002	0.85345	0	6.3286149	6.70578	0.780778
0.34038581	0.10851668	0	1.03286	0.96802	0	7.3346239	11.60343	0.919094
0.22894452	0.04413775	0	0.39614	1.23694	0	7.1497718	11.30857	0.85817
0.07647703	0.03999578	0	0.14043	0.45685	0	5.6465416	9.13878	0.983429
0.093142	0.19869905	0	0.20144	0.76443	0	7.025817	10.35174	0.911845
0.34290589	0.11125936	0	0.68603	1.3209	0	8.4829023	12.23131	0.773028
0.42292064	0.07014394	0	0.84879	1.53453	0	10.647862	11.59165	0.838813
0.33446789	0.05013752	0	0.77729	0.77046	0	6.4619451	11.40218	0.941951
0.1384303	0.09163463	0	0.12008	0.54658	0	5.4589665	6.50419	0.835811
0.20768654	0.04282778	0	0.23967	0.51503	0	5.7300192	10.21904	0.901014
0.15596837	0.07055735	0	0.11697	0.334	0	4.2278585	7.06198	1.077113
0.08391129	0.04557006	0	0.72207	2.29204	0	7.5610742	8.6952	1.071981
0.41892842	0.0694787	0	0.84078	1.52004	0	10.540032	11.48223	0.838814
0.00600623	0.00217486	0	1.3601	1.28793	0	3.0206437	2.95193	-6.787
0.10050307	0.03793021	0	0.61427	0.56053	0	6.1228644	8.28386	0.92478
0.20920314	0.02522156	0	0.29917	1.32455	0	7.2226185	11.76025	0.881195
0.18679913	0.02088481	0	0.31821	0.77798	0	8.5849898	12.55678	0.753393
0.24021541	0.1263117	0	0.18472	0.47138	0	4.2541292	6.72816	0.979641
0.3269074	0.10897001	0	0.67057	1.298	0	8.1046686	12.39761	0.829517
0.19026766	0.08252105	0	0.12527	0.15321	0	2.3578514	3.29411	0.885466
0.04014293	0.06581926	0	0.39632	0.48757	0	6.1782576	9.23518	0.839162
0.11871529	0.03305364	0	0.23808	0.68365	0	6.1560317	10.9417	0.909308
0.67697497	0.0983169	0	0.61793	0.96223	0	7.8899732	15.06188	0.925924
0.11147413	0.02597303	0	0.42872	0.67848	0	6.7813148	9.85174	0.839934
0.07137837	0.15503836	0	0.27532	0.56962	0	6.6295165	10.56966	1.029273
0.03173719	0.11030393	0	0.16462	0.19474	0	4.0668075	7.01614	1.018746
0.10300874	0.12207234	0	0.75487	1.53015	0	7.7509139	9.73562	1.004637
0.16845628	0.08765828	0	0.70736	1.05432	0	7.3165739	8.98498	0.858688
0.00655376	0.0023747	0	1.4818	1.40397	0	3.2918205	3.21696	-6.78677
0.15232759	0.14684742	0	1.18635	1.33974	0	9.3142597	11.05781	0.835019
0.20946286	0.10900328	0	0.87956	1.31097	0	8.7344189	11.17223	0.858691
0.12454202	0.02129258	0	0.12259	0.55612	0	4.3512063	5.74553	0.916955

0.27235408	0.03659673	0	0.38993	1.02357	0	7.4865244	11.35682	0.84024
0.14574253	0.05296116	0	0.6283	2.18258	0	6.4104833	7.32891	0.834592
0.10972278	0.15142168	0	0.21641	0.21744	0	3.4345744	5.41441	0.863421
0.3270719	0.13376717	0	0.20754	0.26	0	4.2580596	5.71953	0.894101
0.06050438	0.02917523	0	0.13338	0.2159	0	4.882475	9.08704	0.999846
0.24357153	0.48338992	0	0.48871	0.68033	0	7.8493914	12.88908	0.921005
0.18225478	0.02090686	0	0.09711	0.19422	0	4.3254824	7.15075	0.925919
0.05095114	0.02309045	0	0.10971	0.2139	0	4.3336081	7.90359	0.978174
0.20081571	0.10450548	0	0.84325	1.25687	0	8.3249161	10.71115	0.858692
0.09291143	0.11474892	0	0.16359	0.36807	0	6.3797821	12.42027	0.97869
0.39708503	0.14977262	0	0.27717	0.27829	0	4.8511992	6.54902	0.905307
0.27123568	0.04573999	0	0.39953	1.19766	0	5.7859124	9.2029	0.907693
0.40554027	0.28664511	0	0.18383	0.31283	0	4.8546091	7.48069	0.899703
0.09067279	0.16304419	0	0.33921	0.69814	0	8.732288	13.17398	0.911019
0.27473697	0.07353304	0	0.58652	1.42688	0	8.3069182	11.6098	0.927002
0.32033966	0.15745636	0	0.21494	0.22461	0	3.8896696	5.70299	0.897862
0.17022184	0.09521087	0	0.14595	0.59944	0	5.2763234	6.12204	0.907452
0.18640016	0.08307332	0	0.85326	1.17787	0	6.1453902	8.44742	0.947061
0.05403516	0.06237256	0	0.46514	0.5289	0	6.9762708	10.47552	0.841052
0.25805898	0.14110873	0	0.90251	1.47038	0	8.7520442	12.70482	0.907095
0.05721064	0.14583506	0	0.27077	0.53664	0	7.5942364	12.27529	0.939943
0.32807659	0.02449986	0	0.59654	0.80056	0	8.1411093	11.95831	0.848838
0.21962277	0.03733826	0	0.39271	1.57927	0	7.0579422	10.35692	0.911425
0.43211483	0.09455925	0	0.28999	1.01358	0	10.162804	13.7045	1.019099
0.43919267	0.05364976	0	1.79992	3.04335	0	8.5543868	8.89602	0.976267
0.31447783	0.11786851	0	0.2297	0.22418	0	3.8123361	5.15086	0.903163
0.07356737	0.13505245	0	0.36104	0.52866	0	7.1721707	11.74779	0.913051
0.31485564	0.08116446	0	0.16773	0.47721	0	7.0868746	10.85042	0.999918
0.23168874	0.16193758	0	1.21365	1.02936	0	8.1573617	12.14495	0.968578
0.21237431	0.03333722	0	0.30473	1.0495	0	6.5293503	10.6783	0.86458
0.07671131	0.16662149	0	0.29587	0.61215	0	6.997432	11.35886	1.029265
0.17921102	0.01226281	0	0.11004	0.36104	0	4.4149319	5.94387	0.854341
0.09653694	0.09711991	0	0.29788	1.04121	0	9.3256581	14.07755	1.019096
0.25354424	0.14885308	0	0.16097	0.43978	0	5.1911198	7.19818	0.884679
0.22067251	0.04868936	0	0.27538	0.62316	0	6.9049469	11.89462	0.899895
0.2377543	0.07195857	0	0.33737	0.58387	0	5.8664772	10.46581	0.927157
0.088065	0.08237523	0	0.13249	0.30398	0	3.8214347	4.95147	0.954036
0.00531762	0.00192802	0	1.20391	1.13974	0	2.6733888	2.61259	-6.78799
0.28350473	0.07556292	0	0.35164	0.75548	0	10.661182	12.45415	0.741045
0.12494149	0.02512117	0	0.14092	0.76112	0	4.327642	5.98394	0.943879
0.28618449	0.11738557	0	0.18162	0.22749	0	3.8075443	5.0095	0.893352
0.10913489	0.20736218	0	0.3168	0.66184	0	8.0421494	12.3012	0.92207
0.15020107	0.07724614	0	0.74248	1.21029	0	6.9851475	8.60245	0.843719
0.10863281	0.060583	0	0.12771	0.27287	0	4.0768335	5.28224	0.846059

0	0	0	0.06279	1.86608	0	1.93108	1.93328	10.76435
0.0917065	0.02664148	0	0.42387	0.5323	0	4.9071927	7.59785	0.932312
0.01932443	0.00995534	0	0.5812	0.62974	0	2.2083047	2.38456	1.037727
0.33244612	0.0857039	0	0.1771	0.50389	0	7.4829323	11.45686	0.99992
0.15646965	0.06628139	0	0.20694	0.60893	0	5.0045966	8.49539	0.89356
0.12700036	0.03746653	0	0.473	0.57137	0	5.0604865	6.75138	0.949384
0.23479482	0.05000246	0	0.38353	1.30505	0	5.6156663	8.69543	0.904018
0.13066006	0.06861104	0	0.15559	0.36399	0	4.5758131	5.82497	0.942205
0.26440855	0.05292478	0	0.14903	0.78144	0	5.4485636	8.3895	1.068859
0.26761189	0.0370056	0	0.43759	1.32034	0	6.9005722	10.24868	0.852278
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QTR 1 AMMS					
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420030064	PA	Pennsylvania	Allegheny	56.7147	59.9268
261630033	MI	Michigan	Wayne	39.4796	39.8119
390350038	OH	Ohio	Cuyahoga	39.4552	41.8385
420030093	PA	Pennsylvania	Allegheny	39.108	44.3972
261630016	MI	Michigan	Wayne	38.9888	41.2773
390350060	OH	Ohio	Cuyahoga	37.7751	40.8485
170311016	IL	Illinois	Cook	37.5796	40.4411
540090011	WV	West Virginia	Brooke	37.5715	38.3943
261630019	MI	Michigan	Wayne	37.3402	37.8275
10730023	AL	Alabama	Jefferson	36.9645	37.3296
171191007	IL	Illinois	Madison	36.5937	36.8316
261470005	MI	Michigan	St Clair	36.2326	37.1363
420070014	PA	Pennsylvania	Beaver	36.2073	37.4205
550790043	WI	Wisconsin	Milwaukee	36.2056	37.1001
420710007	PA	Pennsylvania	Lancaster	35.978	38.3678
180970081	IN	Indiana	Marion	35.8506	36.9597
180970043	IN	Indiana	Marion	35.7562	37.1978
180970066	IN	Indiana	Marion	35.7338	36.9224
420030116	PA	Pennsylvania	Allegheny	35.5936	35.5936
261630015	MI	Michigan	Wayne	35.5505	36.0016
550790010	WI	Wisconsin	Milwaukee	35.4741	36.7061
340172002	NJ	New Jersey	Hudson	35.4628	35.4628
10732003	AL	Alabama	Jefferson	35.307	35.9423
390618001	OH	Ohio	Hamilton	35.2874	35.8494
171190023	IL	Illinois	Madison	35.1056	35.8068
261610008	MI	Michigan	Washtenaw	35.052	36.3171
420031008	PA	Pennsylvania	Allegheny	35.0445	36.3473
170313103	IL	Illinois	Cook	35.0373	35.4915
261250001	MI	Michigan	Oakland	35.0093	35.414
170313301	IL	Illinois	Cook	34.9689	37.6689
180890022	IN	Indiana	Lake	34.9383	39.5827
170310052	IL	Illinois	Cook	34.9357	36.0664
390350065	OH	Ohio	Cuyahoga	34.9144	37.6744
390350045	OH	Ohio	Cuyahoga	34.798	38.1256
390811001	OH	Ohio	Jefferson	34.5603	37.8768
261150005	MI	Michigan	Monroe	34.4549	34.8826
390170003	OH	Ohio	Butler	34.4017	36.5928
420210011	PA	Pennsylvania	Cambria	34.3082	34.7907
390851001	OH	Ohio	Lake	34.3076	34.3076
420030133	PA	Pennsylvania	Allegheny	34.3076	34.3076
180970078	IN	Indiana	Marion	34.1567	34.9468
170316005	IL	Illinois	Cook	34.1223	36.4198
261630036	MI	Michigan	Wayne	34.0794	34.9823

180890026	IN	Indiana	Lake	34.0785	37.062
550790099	WI	Wisconsin	Milwaukee	34.0458	35.0405
180970083	IN	Indiana	Marion	34.0273	34.5198
420031301	PA	Pennsylvania	Allegheny	33.9507	35.6476
420030008	PA	Pennsylvania	Allegheny	33.868	34.2207
420110011	PA	Pennsylvania	Berks	33.769	35.3007
550090005	WI	Wisconsin	Brown	33.7296	34.1277
391130032	OH	Ohio	Montgomery	33.6761	35.6149
390617001	OH	Ohio	Hamilton	33.6608	34.2513
170312001	IL	Illinois	Cook	33.6183	36.1178
550790026	WI	Wisconsin	Milwaukee	33.617	37.2422
390810017	OH	Ohio	Jefferson	33.4572	34.9739
390350027	OH	Ohio	Cuyahoga	33.4512	35.3751
390170017	OH	Ohio	Butler	33.4192	33.4192
171192009	IL	Illinois	Madison	33.3986	34.3144
421330008	PA	Pennsylvania	York	33.3762	36.0593
360610056	NY	New York	New York	33.3656	34.0485
191630019	IA	Iowa	Scott	33.287	33.287
180372001	IN	Indiana	Dubois	33.2646	34.809
170310022	IL	Illinois	Cook	33.2552	34.9859
390610014	OH	Ohio	Hamilton	33.2323	34.1273
245100049	MD	Maryland	Baltimore City	33.2312	33.2312
191390015	IA	Iowa	Muscatine	33.2251	34.5656
390610006	OH	Ohio	Hamilton	33.1992	33.1992
390490025	OH	Ohio	Franklin	33.1357	33.7772
391530017	OH	Ohio	Summit	33.1224	34.7933
550090009	WI	Wisconsin	Brown	33.1217	33.1217
180190006	IN	Indiana	Clark	33.1122	34.5964
390490024	OH	Ohio	Franklin	33.1105	34.3638
471251009	TN	Tennessee	Montgomery	33.0936	34.2874
180830004	IN	Indiana	Knox	33.0866	33.2775
360050080	NY	New York	Bronx	33.0557	33.4589
170310076	IL	Illinois	Cook	33.0485	34.01
245100040	MD	Maryland	Baltimore City	33.0423	34.4422
261630001	MI	Michigan	Wayne	32.9638	35.1326
261630039	MI	Michigan	Wayne	32.9308	32.9308
420430401	PA	Pennsylvania	Dauphin	32.9203	34.1613
181570008	IN	Indiana	Tippecanoe	32.8932	33.9824
390950024	OH	Ohio	Lucas	32.879	35.1737
420030095	PA	Pennsylvania	Allegheny	32.8446	35.1357
390171004	OH	Ohio	Butler	32.6908	33.8497
390610042	OH	Ohio	Hamilton	32.6599	33.3433
170310057	IL	Illinois	Cook	32.6023	33.7077
550250047	WI	Wisconsin	Dane	32.5552	33.8237

540291004	WV	West Virginia	Hancock	32.5374	32.795
180970079	IN	Indiana	Marion	32.504	33.4966
360610128	NY	New York	New York	32.4869	33.8421
551330027	WI	Wisconsin	Waukesha	32.4125	33.1547
420033007	PA	Pennsylvania	Allegheny	32.3987	37.3967
391510017	OH	Ohio	Stark	32.3813	33.0489
390350034	OH	Ohio	Cuyahoga	32.3575	34.0541
390170016	OH	Ohio	Butler	32.347	33.2793
550790059	WI	Wisconsin	Milwaukee	32.3407	33.6698
340390004	NJ	New Jersey	Union	32.3397	33.4534
171971002	IL	Illinois	Will	32.3025	32.9379
245100035	MD	Maryland	Baltimore City	32.2968	33.0323
295100087	MO	Missouri	St Louis City	32.284	32.7417
260810020	MI	Michigan	Kent	32.283	32.7912
181670023	IN	Indiana	Vigo	32.2801	33.5153
180970042	IN	Indiana	Marion	32.2618	33.5477
420039002	PA	Pennsylvania	Allegheny	32.2493	32.2493
340171003	NJ	New Jersey	Hudson	32.2328	32.7565
391130031	OH	Ohio	Montgomery	32.2096	33.2706
390610043	OH	Ohio	Hamilton	32.2045	32.815
391530023	OH	Ohio	Summit	32.199	33.8101
391550007	OH	Ohio	Trumbull	32.1497	33.4305
181670018	IN	Indiana	Vigo	32.1464	32.6936
421290008	PA	Pennsylvania	Westmoreland	32.1087	32.2907
171193007	IL	Illinois	Madison	32.0996	32.7339
210590005	KY	Kentucky	Daviess	32.0821	32.0821
260990009	MI	Michigan	Macomb	32.0477	32.7437
540391005	WV	West Virginia	Kanawha	32.0005	32.6095
540090005	WV	West Virginia	Brooke	31.9994	33.4564
181630006	IN	Indiana	Vanderburgh	31.9818	32.5631
131210039	GA	Georgia	Fulton	31.8689	31.8689
390990014	OH	Ohio	Mahoning	31.8478	32.9127
211110044	KY	Kentucky	Jefferson	31.808	32.216
390950025	OH	Ohio	Lucas	31.7849	33.2579
171630010	IL	Illinois	St Clair	31.7365	32.3461
390230005	OH	Ohio	Clark	31.7239	32.6493
360610079	NY	New York	New York	31.6802	33.507
291831002	MO	Missouri	St Charles	31.667	33.0069
360290005	NY	New York	Erie	31.6402	33.2224
211110048	KY	Kentucky	Jefferson	31.595	32.3163
170310050	IL	Illinois	Cook	31.5903	33.1227
390610040	OH	Ohio	Hamilton	31.5552	32.6309
420410101	PA	Pennsylvania	Cumberland	31.4722	32.7275
420770004	PA	Pennsylvania	Lehigh	31.4557	31.4557

211110043	KY	Kentucky	Jefferson	31.4228	32.2503
240032002	MD	Maryland	Anne Arundel	31.4132	31.4132
390950026	OH	Ohio	Lucas	31.4068	33.1438
245100008	MD	Maryland	Baltimore City	31.3993	32.0021
180890006	IN	Indiana	Lake	31.39	31.8864
172010013	IL	Illinois	Winnebago	31.3853	31.3853
360050110	NY	New York	Bronx	31.3625	32.4565
540330003	WV	West Virginia	Harrison	31.3404	32.209
550430009	WI	Wisconsin	Grant	31.2809	31.7794
360610062	NY	New York	New York	31.2713	32.1363
170890007	IL	Illinois	Kane	31.2316	31.2316
290990012	MO	Missouri	Jefferson	31.2301	31.9196
295100007	MO	Missouri	St Louis City	31.2169	31.7197
180390003	IN	Indiana	Elkhart	31.1719	32.8081
350130017	NM	New Mexico	Dona Ana	31.1011	33.5345
420290100	PA	Pennsylvania	Chester	31.0776	31.0776
261390005	MI	Michigan	Ottawa	31.068	31.4752
181630012	IN	Indiana	Vanderburgh	31.0673	32.2069
11130001	AL	Alabama	Russell	31.0533	32.1024
421255001	PA	Pennsylvania	Washington	31.0518	32.4728
471650007	TN	Tennessee	Sumner	31.0456	31.9198
170434002	IL	Illinois	Du Page	31.0148	32.3428
540490006	WV	West Virginia	Marion	30.9768	31.0173
191032001	IA	Iowa	Johnson	30.9645	31.6426
210290006	KY	Kentucky	Bullitt	30.9635	32.0419
50350005	AR	Arkansas	Crittenden	30.9046	30.9046
540110006	WV	West Virginia	Cabell	30.9045	32.2812
470930028	TN	Tennessee	Knox	30.894	30.894
90091123	CT	Connecticut	New Haven	30.8164	31.5544
261630025	MI	Michigan	Wayne	30.8057	31.9789
295100085	MO	Missouri	St Louis City	30.7654	31.4425
470370023	TN	Tennessee	Davidson	30.7599	31.4302
180030004	IN	Indiana	Allen	30.7316	32.0825
180892010	IN	Indiana	Lake	30.7254	31.9677
340390006	NJ	New Jersey	Union	30.7045	31.5045
390351002	OH	Ohio	Cuyahoga	30.6557	31.5211
180890031	IN	Indiana	Lake	30.6468	30.6468
420950025	PA	Pennsylvania	Northampton	30.6424	31.1786
540030003	WV	West Virginia	Berkeley	30.6005	31.1163
420850100	PA	Pennsylvania	Mercer	30.5722	30.5722
340030003	NJ	New Jersey	Bergen	30.5567	31.0915
261210040	MI	Michigan	Muskegon	30.5552	32.1426
170314007	IL	Illinois	Cook	30.5547	32.3352
211451004	KY	Kentucky	McCracken	30.5375	32.5421

171670012	IL	Illinois	Sangamon	30.4933	30.9636
181470009	IN	Indiana	Spencer	30.4614	31.3097
391351001	OH	Ohio	Preble	30.4372	31.616
360470122	NY	New York	Kings	30.4349	31.0236
171150013	IL	Illinois	Macon	30.3816	31.5528
360010005	NY	New York	Albany	30.3575	30.3575
540610003	WV	West Virginia	Monongalia	30.3574	31.0392
110010041	DC	D.C.	Washington	30.3458	31.5911
190450021	IA	Iowa	Clinton	30.3451	31.9974
181630016	IN	Indiana	Vanderburgh	30.332	31.3914
211170007	KY	Kentucky	Kenton	30.293	31.3173
171132003	IL	Illinois	McLean	30.2535	30.2535
421010047	PA	Pennsylvania	Philadelphia	30.2511	30.6523
180431004	IN	Indiana	Floyd	30.2473	31.2897
340130015	NJ	New Jersey	Essex	30.2385	30.7746
550870009	WI	Wisconsin	Outagamie	30.2367	31.7404
541071002	WV	West Virginia	Wood	30.1936	31.2509
171634001	IL	Illinois	St Clair	30.1897	31.235
360291007	NY	New York	Erie	30.1758	32.2786
420490003	PA	Pennsylvania	Erie	30.1721	30.1721
420270100	PA	Pennsylvania	Centre	30.1664	31.2371
291892003	MO	Missouri	St Louis	30.1493	30.9378
295100086	MO	Missouri	St Louis City	30.1476	30.3175
420030021	PA	Pennsylvania	Allegheny	30.134	30.134
10731005	AL	Alabama	Jefferson	30.1267	30.6513
260050003	MI	Michigan	Allegan	30.1099	30.3399
550890009	WI	Wisconsin	Ozaukee	30.0832	31.5487
132450005	GA	Georgia	Richmond	30.0775	30.6335
130630091	GA	Georgia	Clayton	30.0141	31.4457
90010010	CT	Connecticut	Fairfield	29.9964	30.6617
390250022	OH	Ohio	Clermont	29.9273	29.9273
170890003	IL	Illinois	Kane	29.9254	31.282
170971007	IL	Illinois	Lake	29.9098	31.5962
540390010	WV	West Virginia	Kanawha	29.8974	30.4803
180950009	IN	Indiana	Madison	29.8967	30.8278
181410014	IN	Indiana	St Joseph	29.8913	31.4289
130950007	GA	Georgia	Dougherty	29.8891	30.8937
391330002	OH	Ohio	Portage	29.8719	30.0799
240053001	MD	Maryland	Baltimore	29.8617	30.7672
360632008	NY	New York	Niagara	29.8575	30.759
131150005	GA	Georgia	Floyd	29.8494	31.0191
390990005	OH	Ohio	Mahoning	29.849	30.4671
261610005	MI	Michigan	Washtenaw	29.808	29.808
421010004	PA	Pennsylvania	Philadelphia	29.7949	30.0449

340071007	NJ	New Jersey	Camden	29.7935	30.803
420030067	PA	Pennsylvania	Allegheny	29.7877	32.2064
191630018	IA	Iowa	Scott	29.7499	31.0092
470370036	TN	Tennessee	Davidson	29.6939	30.4339
210470006	KY	Kentucky	Christian	29.6878	29.6878
560330002	WY	Wyoming	Sheridan	29.6835	31.1348
170831001	IL	Illinois	Jersey	29.6819	30.5938
511071005	VA	Virginia	Loudoun	29.6445	30.8467
340310005	NJ	New Jersey	Passaic	29.6245	30.5942
360810124	NY	New York	Queens	29.619	29.619
170650002	IL	Illinois	Hamilton	29.604	29.604
180892004	IN	Indiana	Lake	29.6027	30.6407
181411008	IN	Indiana	St Joseph	29.5949	29.5949
421250005	PA	Pennsylvania	Washington	29.5898	30.3754
291890004	MO	Missouri	St Louis	29.573	29.573
180891003	IN	Indiana	Lake	29.5534	30.3822
51191005	AR	Arkansas	Pulaski	29.5365	29.9903
240031003	MD	Maryland	Anne Arundel	29.5073	30.9182
100032004	DE	Delaware	New Castle	29.5057	29.7448
340392003	NJ	New Jersey	Union	29.4956	29.9428
51191004	AR	Arkansas	Pulaski	29.4936	29.926
391450013	OH	Ohio	Scioto	29.4899	30.9203
133190001	GA	Georgia	Wilkinson	29.4533	29.9172
360050083	NY	New York	Bronx	29.4256	30.2019
171430037	IL	Illinois	Peoria	29.3842	30.6621
420450002	PA	Pennsylvania	Delaware	29.3726	30.0596
260650012	MI	Michigan	Ingham	29.3449	29.6316
550590019	WI	Wisconsin	Kenosha	29.3406	30.397
340070003	NJ	New Jersey	Camden	29.3183	31.2466
10550010	AL	Alabama	Etowah	29.3121	29.5764
10735003	AL	Alabama	Jefferson	29.2924	29.755
132150008	GA	Georgia	Muscogee	29.2635	31.4879
550270007	WI	Wisconsin	Dodge	29.2495	30.4911
110010042	DC	D.C.	Washington	29.247	31.4994
212270007	KY	Kentucky	Warren	29.2278	31.0929
180890027	IN	Indiana	Lake	29.1886	30.8346
401359015	OK	Oklahoma	Sequoyah	29.1744	29.1744
340410006	NJ	New Jersey	Warren	29.1404	29.9553
240430009	MD	Maryland	Washington	29.139	30.6405
360850055	NY	New York	Richmond	29.1239	30.832
210930006	KY	Kentucky	Hardin	29.0935	31.1526
180350006	IN	Indiana	Delaware	29.0772	30.3917
390933002	OH	Ohio	Lorain	29.0611	29.5344
130670003	GA	Georgia	Cobb	29.0528	29.6269

390570005	OH	Ohio	Greene	29.0326	29.871
400710602	OK	Oklahoma	Kay	28.9964	28.9964
421010024	PA	Pennsylvania	Philadelphia	28.9896	28.9896
180670003	IN	Indiana	Howard	28.9869	29.7086
11210002	AL	Alabama	Talladega	28.9807	28.9807
90090027	CT	Connecticut	New Haven	28.9783	29.3066
470931017	TN	Tennessee	Knox	28.9379	29.2452
90013005	CT	Connecticut	Fairfield	28.8711	29.2617
470450004	TN	Tennessee	Dyer	28.8698	29.8908
471570047	TN	Tennessee	Shelby	28.866	29.4091
420010001	PA	Pennsylvania	Adams	28.8658	30.1551
10731009	AL	Alabama	Jefferson	28.843	29.0309
181270020	IN	Indiana	Porter	28.7963	30.6602
245100007	MD	Maryland	Baltimore City	28.7875	29.5378
510590030	VA	Virginia	Fairfax	28.7718	29.1038
110010043	DC	D.C.	Washington	28.7591	29.4946
510595001	VA	Virginia	Fairfax	28.7111	29.0784
210190017	KY	Kentucky	Boyd	28.7107	29.8674
517750010	VA	Virginia	Salem City	28.7054	28.7054
510130020	VA	Virginia	Arlington	28.6985	30.6156
250132009	MA	Massachusetts	Hampden	28.6727	28.7121
291860006	MO	Missouri	Ste Genevieve	28.6659	29.3061
130210007	GA	Georgia	Bibb	28.6629	29.0923
211010014	KY	Kentucky	Henderson	28.5922	29.4057
180650003	IN	Indiana	Henry	28.5778	28.5778
180910011	IN	Indiana	La Porte	28.566	29.1776
420170012	PA	Pennsylvania	Bucks	28.5489	29.0033
471410001	TN	Tennessee	Putnam	28.5037	28.5037
210670014	KY	Kentucky	Fayette	28.4959	29.2629
540390011	WV	West Virginia	Kanawha	28.4882	28.4882
471192007	TN	Tennessee	Maury	28.4866	29.1909
390490081	OH	Ohio	Franklin	28.4791	28.4791
390870010	OH	Ohio	Lawrence	28.4789	29.4442
211110051	KY	Kentucky	Jefferson	28.4753	29.7464
132450091	GA	Georgia	Richmond	28.4729	28.8066
51190007	AR	Arkansas	Pulaski	28.4609	28.7971
90090026	CT	Connecticut	New Haven	28.3705	29.416
171110001	IL	Illinois	McHenry	28.3571	29.3355
260770008	MI	Michigan	Kalamazoo	28.3562	29.9113
90092123	CT	Connecticut	New Haven	28.3125	28.6702
260170014	MI	Michigan	Bay	28.3084	28.8505
180030014	IN	Indiana	Allen	28.2662	28.8377
171613002	IL	Illinois	Rock Island	28.2586	28.9127
90011123	CT	Connecticut	Fairfield	28.2557	28.6438

340210008	NJ	New Jersey	Mercer	28.2468	28.4545
170190004	IL	Illinois	Champaign	28.2306	29.9914
510591005	VA	Virginia	Fairfax	28.2093	29.9349
471570038	TN	Tennessee	Shelby	28.2087	28.8364
131210032	GA	Georgia	Fulton	28.2012	29.6315
470650031	TN	Tennessee	Hamilton	28.1941	29.0773
250130016	MA	Massachusetts	Hampden	28.1824	29.3234
10731010	AL	Alabama	Jefferson	28.181	28.3454
470370025	TN	Tennessee	Davidson	28.1484	28.6948
540511002	WV	West Virginia	Marshall	28.1278	28.3551
470090011	TN	Tennessee	Blount	28.1145	29.5548
181270024	IN	Indiana	Porter	28.1118	28.8626
170010006	IL	Illinois	Adams	28.0978	28.8651
100031003	DE	Delaware	New Castle	28.0769	28.0769
560131003	WY	Wyoming	Fremont	28.068	30.089
500210002	VT	Vermont	Rutland	28.0644	28.1427
130892001	GA	Georgia	De Kalb	28.0607	29.2955
130670004	GA	Georgia	Cobb	28.048	29.1737
471570014	TN	Tennessee	Shelby	28.019	28.9336
450630008	SC	South Carolin	Lexington	28.0117	28.863
245100006	MD	Maryland	Baltimore City	27.9999	28.1788
191532520	IA	Iowa	Polk	27.9863	27.9863
10732006	AL	Alabama	Jefferson	27.98	28.6039
190130008	IA	Iowa	Black Hawk	27.9591	29.3224
10890014	AL	Alabama	Madison	27.9485	28.0582
210670012	KY	Kentucky	Fayette	27.9406	28.982
10735002	AL	Alabama	Jefferson	27.9194	29.3123
280670002	MS	Mississippi	Jones	27.865	28.384
471050108	TN	Tennessee	Loudon	27.8502	28.6657
450790019	SC	South Carolin	Richland	27.8414	28.2832
260210014	MI	Michigan	Berrien	27.8216	28.552
170314201	IL	Illinois	Cook	27.7946	29.6586
280810005	MS	Mississippi	Lee	27.794	28.5491
100031012	DE	Delaware	New Castle	27.7536	27.7536
191630015	IA	Iowa	Scott	27.7496	28.6767
401431127	OK	Oklahoma	Tulsa	27.7317	28.6383
240338003	MD	Maryland	Prince Georges	27.7109	28.6574
210730006	KY	Kentucky	Franklin	27.7065	29.0802
132150001	GA	Georgia	Muscogee	27.6972	28.6509
340230006	NJ	New Jersey	Middlesex	27.682	30.0637
240051007	MD	Maryland	Baltimore	27.6606	28.299
130890002	GA	Georgia	De Kalb	27.599	27.8206
550710007	WI	Wisconsin	Manitowoc	27.5811	29.3981
191130037	IA	Iowa	Linn	27.5738	30.0426

482011035	TX	Texas	Harris	27.5693	27.9857
280870001	MS	Mississippi	Lowndes	27.5532	28.0043
240030014	MD	Maryland	Anne Arundel	27.5338	27.5338
470654002	TN	Tennessee	Hamilton	27.5322	28.0544
401010169	OK	Oklahoma	Muskogee	27.4531	28.0398
11170006	AL	Alabama	Shelby	27.4417	27.6742
260490021	MI	Michigan	Genesee	27.4275	28.825
51450001	AR	Arkansas	White	27.4201	28.5592
210370003	KY	Kentucky	Campbell	27.3926	27.3926
171570001	IL	Illinois	Randolph	27.3835	28.3495
170191001	IL	Illinois	Champaign	27.2942	28.5172
471071002	TN	Tennessee	Mc Minn	27.2789	28.0729
50450002	AR	Arkansas	Faulkner	27.2725	27.8623
517700014	VA	Virginia	Roanoke City	27.2612	27.5276
181412004	IN	Indiana	St Joseph	27.2447	28.4463
180910012	IN	Indiana	La Porte	27.2372	28.1447
261450018	MI	Michigan	Saginaw	27.2308	27.2308
360551007	NY	New York	Monroe	27.2257	27.8068
370350004	NC	North Carolin	Catawba	27.2	27.9102
250035001	MA	Massachusetts	Berkshire	27.1852	28.8551
90092008	CT	Connecticut	New Haven	27.1796	28.2325
420990301	PA	Pennsylvania	Perry	27.161	27.161
11010007	AL	Alabama	Montgomery	27.1552	28.5086
280330002	MS	Mississippi	De Soto	27.1418	27.3355
171971011	IL	Illinois	Will	27.1413	27.9342
421250200	PA	Pennsylvania	Washington	27.1299	27.1299
131350002	GA	Georgia	Gwinnett	27.1273	27.796
420791101	PA	Pennsylvania	Luzerne	27.1057	27.1057
290190004	MO	Missouri	Boone	27.0884	27.0884
280350004	MS	Mississippi	Forrest	27.0804	27.6035
450450008	SC	South Carolin	Greenville	27.0537	27.0537
50010011	AR	Arkansas	Arkansas	27.0437	27.4756
90019003	CT	Connecticut	Fairfield	27.0168	28.3886
360590008	NY	New York	Nassau	26.9547	27.635
290210005	MO	Missouri	Buchanan	26.9389	26.9389
471571004	TN	Tennessee	Shelby	26.9246	27.1447
500010003	VT	Vermont	Addison	26.9131	26.9131
390090003	OH	Ohio	Athens	26.8645	27.3671
450370001	SC	South Carolin	Edgefield	26.8512	27.9337
361030001	NY	New York	Suffolk	26.791	26.791
450450009	SC	South Carolin	Greenville	26.7194	27.3412
281490004	MS	Mississippi	Warren	26.7141	26.7141
51070001	AR	Arkansas	Phillips	26.654	27.6489
132230003	GA	Georgia	Paulding	26.6372	26.9123

50030005	AR	Arkansas	Ashley	26.6103	27.1925
370010002	NC	North Carolin	Alamance	26.6054	26.8666
420692006	PA	Pennsylvania	Lackawanna	26.5955	27.2811
340270004	NJ	New Jersey	Morris	26.5837	27.4698
133030001	GA	Georgia	Washington	26.5369	26.9677
11270002	AL	Alabama	Walker	26.5064	27.6293
500070014	VT	Vermont	Chittenden	26.4593	26.4593
540890001	WV	West Virginia	Summers	26.4358	26.4358
10270001	AL	Alabama	Clay	26.4344	27.1676
280110001	MS	Mississippi	Bolivar	26.4015	27.2925
220790002	LA	Louisiana	Rapides	26.3564	30.3476
450830010	SC	South Carolin	Spartanburg	26.3392	26.3392
200910009	KS	Kansas	Johnson	26.3364	26.3364
202090021	KS	Kansas	Wyandotte	26.3338	28.9108
50510003	AR	Arkansas	Garland	26.3105	26.4415
540690010	WV	West Virginia	Ohio	26.3098	26.3098
10970002	AL	Alabama	Mobile	26.2715	26.2715
330050007	NH	New Hampshire	Cheshire	26.2633	26.4478
551110007	WI	Wisconsin	Sauk	26.2621	26.4926
10331002	AL	Alabama	Colbert	26.251	26.3082
240330030	MD	Maryland	Prince Georges	26.2435	26.2435
400970186	OK	Oklahoma	Mayes	26.236	26.842
511390004	VA	Virginia	Page	26.2304	27.2975
480370004	TX	Texas	Bowie	26.227	26.9477
371190010	NC	North Carolin	Mecklenburg	26.2208	26.2208
132150011	GA	Georgia	Muscogee	26.2016	26.2068
51390006	AR	Arkansas	Union	26.195	26.7343
370810013	NC	North Carolin	Guilford	26.1686	26.1686
201770010	KS	Kansas	Shawnee	26.1362	26.1362
220730004	LA	Louisiana	Ouachita	26.1127	27.5342
370670022	NC	North Carolin	Forsyth	26.1108	26.3419
250250043	MA	Massachusetts	Suffolk	26.1067	27.8676
401159004	OK	Oklahoma	Ottawa	26.0998	27.1218
132950002	GA	Georgia	Walker	26.07	27.4897
211950002	KY	Kentucky	Pike	26.0567	26.8607
450790007	SC	South Carolin	Richland	26.0532	26.4722
10491003	AL	Alabama	De Kalb	26.0249	26.9795
90031003	CT	Connecticut	Hartford	26.0027	26.4065
51150003	AR	Arkansas	Pope	25.9896	26.2629
471631007	TN	Tennessee	Sullivan	25.9828	26.7315
130210012	GA	Georgia	Bibb	25.9503	26.4201
516800015	VA	Virginia	Lynchburg City	25.9433	26.2942
371830014	NC	North Carolin	Wake	25.9168	26.5322
290770032	MO	Missouri	Greene	25.9066	26.933

220330009	LA	Louisiana	East Baton Roug	25.9035	27.0107
401430110	OK	Oklahoma	Tulsa	25.8951	25.8951
361191002	NY	New York	Westchester	25.8915	26.5121
170990007	IL	Illinois	La Salle	25.85	26.6493
240313001	MD	Maryland	Montgomery	25.832	26.3984
370510009	NC	North Carolin	Cumberland	25.8117	26.6405
540810002	WV	West Virginia	Raleigh	25.7881	26.3407
290390001	MO	Missouri	Cedar	25.7707	25.7707
191530030	IA	Iowa	Polk	25.7701	26.2085
370570002	NC	North Carolin	Davidson	25.7156	26.4324
280470008	MS	Mississippi	Harrison	25.6872	25.6872
191970004	IA	Iowa	Wright	25.6775	25.8435
191550009	IA	Iowa	Pottawattamie	25.6621	25.8866
510360002	VA	Virginia	Charles City	25.6556	26.0002
221210001	LA	Louisiana	West Baton Roug	25.6541	26.5196
100051002	DE	Delaware	Sussex	25.648	26.5856
340273001	NJ	New Jersey	Morris	25.6113	26.8191
230172011	ME	Maine	Oxford	25.6012	26.6778
510870014	VA	Virginia	Henrico	25.5938	26.5958
271230866	MN	Minnesota	Ramsey	25.5932	26.8875
11250004	AL	Alabama	Tuscaloosa	25.5818	25.5818
131390003	GA	Georgia	Hall	25.5753	25.9711
440070026	RI	Rhode Island	Providence	25.5404	26.1426
191770006	IA	Iowa	Van Buren	25.5369	25.5369
210130002	KY	Kentucky	Bell	25.4885	26.138
360850067	NY	New York	Richmond	25.4642	26.0032
131530001	GA	Georgia	Houston	25.4555	27.1217
280490010	MS	Mississippi	Hinds	25.4471	25.5441
90113002	CT	Connecticut	New London	25.4409	26.413
210430500	KY	Kentucky	Carter	25.4306	26.6288
271230868	MN	Minnesota	Ramsey	25.4255	27.1321
400719010	OK	Oklahoma	Kay	25.3933	29.3766
371110004	NC	North Carolin	McDowell	25.3932	25.8476
500070012	VT	Vermont	Chittenden	25.3699	25.8626
240150003	MD	Maryland	Cecil	25.3106	26.6309
250270023	MA	Massachusetts	Worcester	25.2608	25.2608
220470005	LA	Louisiana	Iberville	25.2435	25.9102
290950034	MO	Missouri	Jackson	25.238	25.2528
120330004	FL	Florida	Escambia	25.2351	26.432
470990002	TN	Tennessee	Lawrence	25.2085	28.2276
11030011	AL	Alabama	Morgan	25.1759	25.4563
483611001	TX	Texas	Orange	25.1175	25.816
221050001	LA	Louisiana	Tangipahoa	25.115	25.7937
310250002	NE	Nebraska	Cass	25.0772	25.0772

471450004	TN	Tennessee	Roane	25.0164	26.1447
400819005	OK	Oklahoma	Lincoln	25.0126	25.0126
291370001	MO	Missouri	Monroe	24.9874	24.9874
450470003	SC	South Carolin	Greenwood	24.9767	25.5039
330110020	NH	New Hampshire	Hillsborough	24.9235	24.9235
290470005	MO	Missouri	Clay	24.9078	25.6247
11190002	AL	Alabama	Sumter	24.8647	24.8647
482150043	TX	Texas	Hidalgo	24.864	26.2545
370630001	NC	North Carolin	Durham	24.8564	25.499
100010002	DE	Delaware	Kent	24.8433	26.0083
10530002	AL	Alabama	Escambia	24.8387	25.4245
10970003	AL	Alabama	Mobile	24.8224	25.5284
515200006	VA	Virginia	Bristol City	24.7639	24.9476
371550005	NC	North Carolin	Robeson	24.7306	24.9909
100010003	DE	Delaware	Kent	24.7178	26.4653
371190041	NC	North Carolin	Mecklenburg	24.6826	24.9117
100031007	DE	Delaware	New Castle	24.6763	25.6893
371890003	NC	North Carolin	Watauga	24.6735	24.8365
10690003	AL	Alabama	Houston	24.6586	24.6586
400219002	OK	Oklahoma	Cherokee	24.6384	25.2858
330111015	NH	New Hampshire	Hillsborough	24.638	24.638
340292002	NJ	New Jersey	Ocean	24.5521	26.109
371910005	NC	North Carolin	Wayne	24.536	25.4645
211510003	KY	Kentucky	Madison	24.5322	25.4674
230050027	ME	Maine	Cumberland	24.53	26.0688
220171002	LA	Louisiana	Caddo	24.5256	24.5256
370210034	NC	North Carolin	Buncombe	24.5176	24.7154
130510091	GA	Georgia	Chatham	24.5101	25.3321
191370002	IA	Iowa	Montgomery	24.4878	24.8147
211930003	KY	Kentucky	Perry	24.4815	25.5837
130510017	GA	Georgia	Chatham	24.4488	24.7995
371590021	NC	North Carolin	Rowan	24.4484	24.4484
360130011	NY	New York	Chautauqua	24.4462	25.1401
280010004	MS	Mississippi	Adams	24.3876	24.8
250250002	MA	Massachusetts	Suffolk	24.3398	24.4297
450410002	SC	South Carolin	Florence	24.3345	24.6603
191532510	IA	Iowa	Polk	24.3123	26.0659
470651011	TN	Tennessee	Hamilton	24.2535	25.147
202090022	KS	Kansas	Wyandotte	24.2521	26.0141
551091002	WI	Wisconsin	St Croix	24.2369	24.2369
370710016	NC	North Carolin	Gaston	24.1886	24.3988
120051004	FL	Florida	Bay	24.1711	24.9276
371210001	NC	North Carolin	Mitchell	24.1498	26.0322
483550032	TX	Texas	Nueces	24.1304	26.8673

270532006	MN	Minnesota	Hennepin	24.0501	24.7371
270530050	MN	Minnesota	Hennepin	24.0466	24.7592
370330001	NC	North Carolin	Caswell	24.0454	24.2573
517100024	VA	Virginia	Norfolk City	24.0104	24.379
240251001	MD	Maryland	Harford	24.0095	24.3755
450510002	SC	South Carolin	Horry	24.0027	24.7957
360710002	NY	New York	Orange	23.969	24.4813
250270016	MA	Massachusetts	Worcester	23.9666	24.0027
401210415	OK	Oklahoma	Pittsburg	23.9564	25.0337
450250001	SC	South Carolin	Chesterfield	23.9297	24.7366
516500004	VA	Virginia	Hampton City	23.8955	24.68
220290003	LA	Louisiana	Concordia	23.871	23.871
230050015	ME	Maine	Cumberland	23.8687	26.5427
500010002	VT	Vermont	Addison	23.8159	23.8159
370650004	NC	North Carolin	Edgecombe	23.8079	24.0233
401091037	OK	Oklahoma	Oklahoma	23.7884	24.9397
220190010	LA	Louisiana	Calcasieu	23.7717	24.8133
510410003	VA	Virginia	Chesterfield	23.7303	24.6951
250250042	MA	Massachusetts	Suffolk	23.7241	23.7799
360671015	NY	New York	Onondaga	23.6961	24.1534
191930017	IA	Iowa	Woodbury	23.6956	25.4579
370870010	NC	North Carolin	Haywood	23.6628	24.0613
482030002	TX	Texas	Harrison	23.6322	23.9814
230010011	ME	Maine	Androscoggin	23.6284	25.2191
250250027	MA	Massachusetts	Suffolk	23.603	23.6939
80310023	CO	Colorado	Denver	23.5887	23.5887
120730012	FL	Florida	Leon	23.5879	24.7316
371350007	NC	North Carolin	Orange	23.5385	24.015
371190042	NC	North Carolin	Mecklenburg	23.5242	23.8998
191471002	IA	Iowa	Palo Alto	23.5228	23.5228
510870015	VA	Virginia	Henrico	23.5092	23.8562
271230871	MN	Minnesota	Ramsey	23.4759	24.0102
280590006	MS	Mississippi	Jackson	23.4594	23.4594
450730001	SC	South Carolin	Oconee	23.438	23.4611
361010003	NY	New York	Steuben	23.387	23.6935
131270006	GA	Georgia	Glynn	23.3676	23.5549
481130050	TX	Texas	Dallas	23.3624	25.9188
400979014	OK	Oklahoma	Mayes	23.3618	23.3626
250096001	MA	Massachusetts	Essex	23.3453	23.7177
440070028	RI	Rhode Island	Providence	23.316	23.316
80310002	CO	Colorado	Denver	23.3083	24.3813
250092006	MA	Massachusetts	Essex	23.207	27.0944
440070022	RI	Rhode Island	Providence	23.1662	23.1662
310550052	NE	Nebraska	Douglas	23.1537	24.0487

371230001	NC	North Carolin	Montgomery	23.1271	23.9151
230110016	ME	Maine	Kennebec	23.1105	25.168
270370470	MN	Minnesota	Dakota	23.0884	23.29
270530963	MN	Minnesota	Hennepin	23.087	24.6125
201070002	KS	Kansas	Linn	23.068	23.7605
551198001	WI	Wisconsin	Taylor	23.0501	23.7114
200910007	KS	Kansas	Johnson	23.0464	24.1505
290370003	MO	Missouri	Cass	23.0139	23.3473
440071010	RI	Rhode Island	Providence	22.9838	23.1104
51130002	AR	Arkansas	Polk	22.976	24.0852
270530961	MN	Minnesota	Hennepin	22.9198	23.5349
370610002	NC	North Carolin	Duplin	22.8998	23.5596
550410007	WI	Wisconsin	Forest	22.8688	22.8688
220470009	LA	Louisiana	Iberville	22.8315	23.9746
250130008	MA	Massachusetts	Hampden	22.8268	23.3665
271390505	MN	Minnesota	Scott	22.7793	23.4897
310550019	NE	Nebraska	Douglas	22.7509	22.7509
330070014	NH	New Hampshire	Coos	22.7346	22.8674
10030010	AL	Alabama	Baldwin	22.7186	23.855
330190003	NH	New Hampshire	Sullivan	22.7124	24.1169
221090001	LA	Louisiana	Terrebonne	22.6753	22.7029
450190049	SC	South Carolin	Charleston	22.6237	22.692
371470005	NC	North Carolin	Pitt	22.5869	22.7662
201730010	KS	Kansas	Sedgwick	22.5423	23.9797
230030013	ME	Maine	Aroostook	22.5012	23.632
270531007	MN	Minnesota	Hennepin	22.4808	22.7678
220511001	LA	Louisiana	Jefferson	22.3901	22.994
484391006	TX	Texas	Tarrant	22.3242	24.3037
500030004	VT	Vermont	Bennington	22.3013	24.4916
370370004	NC	North Carolin	Chatham	22.2467	23.0239
481130069	TX	Texas	Dallas	22.2443	23.8965
311090022	NE	Nebraska	Lancaster	22.2275	23.8968
201730009	KS	Kansas	Sedgwick	22.2092	23.5139
220190009	LA	Louisiana	Calcasieu	22.0967	23.667
371730002	NC	North Carolin	Swain	22.0771	22.7604
261130001	MI	Michigan	Missaukee	22.0444	22.201
460290002	SD	South Dakota	Codington	21.9886	22.4434
80010006	CO	Colorado	Adams	21.9845	25.4546
220331001	LA	Louisiana	East Baton Roug	21.9426	22.6071
311770002	NE	Nebraska	Washington	21.8964	22.7452
270530965	MN	Minnesota	Hennepin	21.8199	22.5291
220550006	LA	Louisiana	Lafayette	21.7814	22.0553
250230004	MA	Massachusetts	Plymouth	21.7616	22.2327
460990006	SD	South Dakota	Minnehaha	21.7052	23.0065

80770017	CO	Colorado	Mesa	21.6953	22.5973
131850003	GA	Georgia	Lowndes	21.6854	22.2593
481410037	TX	Texas	El Paso	21.6556	21.6556
484391002	TX	Texas	Tarrant	21.6217	23.3035
211250004	KY	Kentucky	Laurel	21.5961	21.5961
330150014	NH	New Hampshire	Rockingham	21.5858	22.6036
371330005	NC	North Carolin	Onslow	21.4718	21.9763
460990007	SD	South Dakota	Minnehaha	21.3148	22.1717
400159008	OK	Oklahoma	Caddo	21.3048	22.9559
371170001	NC	North Carolin	Martin	21.3023	22.3801
271377551	MN	Minnesota	St Louis	21.281	21.4142
371070004	NC	North Carolin	Lenoir	21.2715	21.4855
120310099	FL	Florida	Duval	21.1385	21.5684
460110002	SD	South Dakota	Brookings	20.9494	22.0664
200910010	KS	Kansas	Johnson	20.9068	21.0726
81230006	CO	Colorado	Weld	20.8979	21.9046
201730008	KS	Kansas	Sedgwick	20.8596	22.3068
230031011	ME	Maine	Aroostook	20.8499	22.2586
250095005	MA	Massachusetts	Essex	20.7814	20.8519
330131006	NH	New Hampshire	Merrimack	20.7313	21.0524
370990006	NC	North Carolin	Jackson	20.6617	20.7132
371290002	NC	North Carolin	New Hanover	20.6146	20.6146
401090035	OK	Oklahoma	Oklahoma	20.604	21.1988
270953051	MN	Minnesota	Mille Lacs	20.5145	20.8023
551250001	WI	Wisconsin	Vilas	20.4655	21.4907
481130087	TX	Texas	Dallas	20.4525	22.7366
90050005	CT	Connecticut	Litchfield	20.2142	20.2142
201910002	KS	Kansas	Sumner	20.1348	20.9134
330115001	NH	New Hampshire	Hillsborough	20.0635	20.0635
360310003	NY	New York	Essex	19.703	19.9716
120310098	FL	Florida	Duval	19.6188	20.3257
360893001	NY	New York	St Lawrence	19.5513	20.1888
380171004	ND	North Dakota	Cass	19.5087	20.6593
80130003	CO	Colorado	Boulder	19.356	20.474
250051004	MA	Massachusetts	Bristol	19.3158	20.256
120570030	FL	Florida	Hillsborough	19.2933	19.8246
300870307	MT	Montana	Rosebud	18.9017	18.9017
330090010	NH	New Hampshire	Grafton	18.8912	18.8912
230190002	ME	Maine	Penobscot	18.72	20.6789
271377001	MN	Minnesota	St Louis	18.5884	19.4677
80290004	CO	Colorado	Delta	18.4975	19.8519
120830003	FL	Florida	Marion	18.3863	18.3863
80050005	CO	Colorado	Arapahoe	18.3556	19.1584
301111065	MT	Montana	Yellowstone	18.2888	18.5755

121030018	FL	Florida	Pinellas	18.1081	18.2922
271377550	MN	Minnesota	St Louis	17.9483	18.2846
560050877	WY	Wyoming	Campbell	17.8208	17.8208
483550034	TX	Texas	Nueces	17.7066	18.75
120573002	FL	Florida	Hillsborough	17.6789	18.0935
461030020	SD	South Dakota	Pennington	17.5895	18.1077
120010024	FL	Florida	Alachua	17.4748	18.8469
121171002	FL	Florida	Seminole	17.3401	17.9965
120090007	FL	Florida	Brevard	17.233	18.3229
121275002	FL	Florida	Volusia	17.2308	18.9392
120170005	FL	Florida	Citrus	17.1824	18.0685
120010023	FL	Florida	Alachua	17.1465	17.4659
120952002	FL	Florida	Orange	17.1152	17.1152
460130003	SD	South Dakota	Brown	17.0437	17.3675
350010023	NM	New Mexico	Bernalillo	16.9095	17.2296
550030010	WI	Wisconsin	Ashland	16.8281	18.5161
80690009	CO	Colorado	Larimer	16.8198	17.3128
310790004	NE	Nebraska	Hall	16.7932	16.7932
81230008	CO	Colorado	Weld	16.7349	17.1102
121031009	FL	Florida	Pinellas	16.7149	17.0637
380150003	ND	North Dakota	Burleigh	16.7057	17.6606
80130012	CO	Colorado	Boulder	16.692	17.5698
481350003	TX	Texas	Ector	16.5914	16.9935
270210001	MN	Minnesota	Cass	16.4328	17.4628
120112004	FL	Florida	Broward	16.2295	16.5791
380570004	ND	North Dakota	Mercer	16.1718	17.0443
380130003	ND	North Dakota	Burke	16.1333	16.1333
121150013	FL	Florida	Sarasota	16.0285	16.6774
461030016	SD	South Dakota	Pennington	15.9945	16.0268
121056006	FL	Florida	Polk	15.9168	16.4792
120866001	FL	Florida	Miami-Dade	15.8765	16.3401
120990009	FL	Florida	Palm Beach	15.8379	15.8379
120111002	FL	Florida	Broward	15.772	16.2539
330012004	NH	New Hampshire	Belknap	15.6062	16.2934
120814012	FL	Florida	Manatee	15.5523	15.9492
311570003	NE	Nebraska	Scotts Bluff	15.4416	15.4416
120861016	FL	Florida	Miami-Dade	15.2719	15.2719
120992005	FL	Florida	Palm Beach	15.2337	15.4559
121111002	FL	Florida	St Lucie	15.1268	15.3709
350439011	NM	New Mexico	Sandoval	14.9128	15.6005
80410011	CO	Colorado	El Paso	14.8572	15.6117
80410008	CO	Colorado	El Paso	14.8558	15.0745
461031001	SD	South Dakota	Pennington	14.8277	15.6509
350010024	NM	New Mexico	Bernalillo	14.8133	15.4342

120710005	FL	Florida	Lee	14.5208	14.8033
350050005	NM	New Mexico	Chaves	14.3881	15.0371
81010012	CO	Colorado	Pueblo	14.0213	14.3938
120113002	FL	Florida	Broward	13.6055	13.6055
230090103	ME	Maine	Hancock	13.594	13.7586
460330132	SD	South Dakota	Custer	13.5444	13.5444
350130025	NM	New Mexico	Dona Ana	12.7575	13.1475
380070002	ND	North Dakota	Billings	12.48	12.9315
560050899	WY	Wyoming	Campbell	12.4135	13.2295
560050892	WY	Wyoming	Campbell	12.2879	13.081
460710001	SD	South Dakota	Jackson	11.8246	12.464
350450006	NM	New Mexico	San Juan	11.7585	12.0345
80390001	CO	Colorado	Elbert	11.704	13.4846
380530002	ND	North Dakota	McKenzie	11.4285	12.4026
560210001	WY	Wyoming	Laramie	11.1324	11.8401
81130004	CO	Colorado	San Miguel	9.726	10.933
560090819	WY	Wyoming	Converse	9.6498	10.1635
350431003	NM	New Mexico	Sandoval	9.385	9.9245
350490020	NM	New Mexico	Santa Fe	9.1915	9.6165

AL	AR	CT	DE	DC	FL	GA	IL	IN
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0.00570434	0.00358039	0.00114214	0.00215374	0.00109889	0.00120573	0.00476333	0.13079048	0.50345248
0.07109591	0.00691635	0.00261862	0.00466661	0.00185675	0.00427568	0.04044172	0.16039522	0.32644927
0.00733704	0.00289597	0.00184332	0.00346507	0.00089134	0.00097334	0.00770525	0.33717384	0.62031068
0.00469469	0.0029511	0.00094177	0.00176631	0.00090088	0.00099609	0.00391778	0.10720779	0.4136385
0.00519073	0.04967402	0.00079168	0.00074055	0.00078107	0.00083327	0.00673743	1.65101479	1.01798551
0.02766742	0.00966075	0.0172898	0.0094133	0.0038695	0.00333111	0.02177913	0.321333	0.70001333
0.00763812	0.00265532	0.00165284	0.0039391	0.00080256	0.0008878	0.00788775	0.34583305	0.71227012
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0.0160153	0.16083916	0.00103314	0.00093727	0.00105259	0.00115429	0.01105934	1.0139593	0.57231063
0.01138067	0.00316913	0.00528109	0.00407994	0.00143374	0.00079074	0.00986371	0.23615006	0.36408691
0.05724354	0.00757671	0.00406321	0.00713111	0.0026236	0.00222254	0.03428643	0.20009772	0.42029615
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0.1124087	0.05778784	0.00251905	0.002243	0.00244214	0.00276549	0.04648935	0.44704674	0.61092865
0.02280089	0.00796147	0.01425105	0.00775751	0.00319012	0.00274011	0.01794804	0.26485081	0.57696015
0.02548406	0.01145634	0.00100353	0.00089591	0.00098119	0.00219307	0.01865806	0.36691574	0.98892801
0.82524261	0.05749537	0.00064121	0.00060429	0.00063355	0.26686102	1.67409548	0.11878596	0.19229931
0.039398	0.00457379	0.00260827	0.00392395	0.00170069	0.00094139	0.02350965	0.11981068	0.29615681
0.0422109	0.04413894	0.00123414	0.00110802	0.00114904	0.00690103	0.02694659	0.66206657	1.06419426
0.01068819	0.00404658	0.00294515	0.00464695	0.00096095	0.00101383	0.00981764	0.38382342	1.10834166
0.01071814	0.14039141	0.00090274	0.00081912	0.0009149	0.00100313	0.00965963	0.88685105	0.50037612
0.00651823	0.00602058	0.00144369	0.00310599	0.00094689	0.00051175	0.00469029	0.16798857	0.32915416
0.13655461	0.0184021	0.10352133	0.02563927	0.00265094	0.03857457	0.15405312	0.10764191	0.13177126
0.04744495	0.03927777	0.00114387	0.00104377	0.001139	0.00251254	0.02243184	0.95388647	0.62137554
0.01666026	0.00299073	0.00192518	0.00176721	0.0009462	0.00102685	0.00564742	0.22842622	0.3287359
0.04210058	0.04453996	0.00123404	0.00111074	0.00116915	0.00682368	0.02691724	0.67928944	1.09003893
0.00646131	0.06935223	0.0007614	0.00071864	0.00075253	0.00079619	0.00790877	1.66145054	1.29944921
0.07388801	0.03057442	0.00179437	0.00419453	0.0008192	0.04902589	0.0274771	0.3440509	0.84951312
0.1624102	0.01319107	0.01093332	0.02474482	0.00730581	0.02971363	0.20088399	0.15796645	0.26268386
0.20577576	0.02886471	0.0227378	0.05600808	0.0017361	0.05593163	0.21334096	0.26165205	0.32277894

0.03960204	0.03926985	0.00119413	0.00106825	0.00110911	0.00676595	0.02651998	0.62286161	1.03459231
0.2716567	0.02718188	0.02497506	0.04509607	0.01815376	0.03973959	0.28110599	0.22708	0.31502833
0.01049676	0.00400366	0.00290546	0.00457147	0.00095038	0.00100661	0.00952272	0.40072618	1.19596658
0.2463938	0.03956685	0.00943078	0.03382375	0.01489268	0.06613566	0.25651543	0.15016115	0.21567176
0.00637481	0.00784368	0.00093102	0.00089979	0.00092454	0.00095643	0.00829934	1.2008255	3.85076695
0.00939743	0.00675141	0	0	0	0	0.01183314	1.05021411	0.34782219
0.15225571	0.02050929	0.10574094	0.02710836	0.00270002	0.0429659	0.17128389	0.12169161	0.14623404
0.09870521	0.04280857	0.00365383	0.0021311	0.00113652	0.00267921	0.00941208	0.30971684	0.543572
0.00981189	0.02951861	0	0	0	0.00065582	0.0120139	0.5053355	0.28908432
0.19440533	0.02656502	0.08085875	0.02064824	0.00197115	0.05612527	0.22009122	0.12464352	0.16037684
0.00826895	0.04762332	0	1.8677E-05	1.9761E-05	0.00090978	0.0106892	1.79443457	0.78148772
0.01799517	0.16035699	0.00110386	0.00099501	0.00108922	0.00121062	0.01100553	0.9592654	0.65111831
0.01609005	0.14811472	0	0.0009622	0.00104233	0.00114557	0.01710474	1.07074911	0.58776948
0.0219247	0.00548205	0.00107192	0.00201705	0.00105975	0.00111965	0.01564836	0.91754718	2.77855367
0.00106435	0.01131214	0	0	0	0.00015618	0.00022139	0.01984203	0.00624904
0.23650734	0.02342244	0.01340162	0.06531282	0.00351513	0.05289293	0.21781849	0.13714701	0.21177701
0.02220178	0.01799061	0.00086178	0.00082618	0.00087028	0.0009271	0.0132812	1.12763403	1.02368787
0.03043751	0.00918902	0.00098346	0.00087787	0.00096155	0.00214964	0.01759548	0.3526175	0.98061045
1.4384411	0.05293395	0.00083214	0.00153386	0.0008186	0.50725528	1.24867017	0.08800191	0.16400886
0.023945	0.00802048	0.01681336	0.00878011	0.00309656	0.00275952	0.01807174	0.21093142	0.48895949
0.213548	0.07114091	0.00103402	0.00091148	0.00100859	0.01728082	0.05288117	0.5570683	0.5808374
0.00727744	0.05609551	0.00094206	0.00087933	0.00092904	0.00099309	0.00813728	2.04270848	1.01492441
0.11781066	0.04108151	0.00585212	0.007007	0.0030961	0.0051932	0.02268369	0.29219217	0.54008321
0.00771641	0.04388689	0	0	0.00063274	0.00067514	0.01313127	0.67991674	0.3693312
0.05406369	0.05627861	0.00124429	0.00228958	0.00115823	0.00838808	0.024247	0.75645152	0.94692775
0.11686465	0.09314705	0.00099359	0.00088407	0.00097086	0.01116592	0.06520453	0.48982083	0.87240775
0.14603616	0.0369992	0.0026188	0.00230544	0.00251401	0.0214793	0.10167476	0.36748188	0.57273772
0.30700065	0.03296933	0.00215698	0.00198025	0.00141508	0.07159634	0.25614936	0.24458439	0.68574199
0.06007654	0.01402483	0.44591741	0.01072163	0.00146334	0.01975525	0.05067067	0.18174916	0.20793941
0.01137222	0.01738933	0.00437985	0.00340748	0.00072124	0.00077244	0.00970402	0.40363145	0.54836032
0.01312893	0.14677578	0	0.00093955	0.00102185	0.0011279	0.01267325	0.9910401	0.5576508
0.43986602	0.08485262	0.00129485	0.00114692	0.00126415	0.02119513	0.07655991	0.61693949	0.6980895
0.01492631	0.00528887	0.00205424	0.00287354	0.00099888	0.00108492	0.01387866	0.52141513	1.8479058
0.00578258	0.00724118	0.00085093	0.0008227	0.00084507	0.00087389	0.00755818	1.10903456	3.51340114
0.1934186	0.0255819	0.07054646	0.03044463	0.00162419	0.05341103	0.21151941	0.11434428	0.15104709
0.00803664	0.00374926	0.00449946	0.00248528	0.00082068	0.00094895	0.00580791	0.10882984	0.4335074
0.01291714	0.00553088	0.00062082	0.00059588	0.00061564	0.0006411	0.00815813	0.82414152	2.2017748
0.20743717	0.02823458	0.02181923	0.06292765	0.00184288	0.05581311	0.21485301	0.25185089	0.31231884
0.2925335	0.05333409	0.01169661	0.01538021	0.01664671	0.05895987	0.23807441	0.14557414	0.2371712
0.04199334	0.00483373	0.00366095	0.00496793	0.00263717	0.00098043	0.02626063	0.10794588	0.28483642
0.14747155	0.02086385	0.05325842	0.02409525	0.00226343	0.04362908	0.15581915	0.19768273	0.23436805
0.01789534	0.00754664	0.00081196	0.00075231	0.00079958	0.00086048	0.01117998	0.96321273	0.79583059
0.02251093	0.02077345	0.00092233	0.00087915	0.0009372	0.001012	0.01339031	2.08065456	0.76464601
0.06558226	0.02062099	0.0013346	0.00119439	0.00125642	0.00429153	0.04121396	0.5446997	1.55894237

0.04519402	0.00560125	0.00090249	0.00082642	0.00088671	0.00096438	0.01686099	0.80883678	0.7489894
0.03362311	0.01806186	0.00106383	0.00094704	0.00103959	0.00115884	0.01730046	0.52755404	0.93276597
0.0078341	0.01283553	0.00154411	0.0035468	0.00150823	0.00082306	0.00751247	0.34628144	0.74982272
0.05861385	0.01136987	0.1185649	0.01186538	0.00183839	0.01364228	0.06091889	0.06813073	0.08854509
0.03189294	0.01415053	0.00076209	0.0006983	0.00074885	0.00081399	0.01600562	0.82328419	0.49393623
0.02319629	0.0040037	0.01574968	0.00160483	0.00095365	0.00055164	0.01963215	0.09398559	0.11325151
0.10616079	0.03438259	0.00552104	0.00730153	0.00293885	0.00371366	0.01871773	0.2536524	0.48178978
0.14426738	0.04343462	0.02942036	0.03660186	0.38856453	0.03189944	0.10615504	0.20963232	0.24237461
0.00839363	0.039875	0	0	0.00069437	0.00075846	0.01047463	0.78296399	0.43585308
0.03608976	0.01182723	0.00103363	0.0009228	0.00101063	0.00225852	0.01925383	0.37863562	1.02050447
0.09694254	0.03262831	0.0021343	0.00400654	0.00100904	0.0540865	0.03716919	0.44900323	1.24812908
0.0400766	0.00849791	0.00091271	0.00083013	0.00089557	0.00097989	0.01651116	1.04332685	0.67685546
0.23209142	0.02770741	0.02169228	0.10911109	0.00186043	0.06368584	0.29941841	0.13475077	0.21294321
0.03941734	0.03792897	0.00122424	0.00109496	0.00113852	0.00689771	0.02618972	0.63387033	1.22561547
0.1941775	0.02568728	0.07602065	0.03145582	0.00178192	0.05361639	0.21310742	0.11546829	0.1526353
0.00890068	0.01043874	0.00048133	0.00044071	0.0004729	0.00054652	0.00964884	0.45525682	0.22277945
0.07605	0.01810968	0.00440594	0.00483053	0.00290272	0.01574964	0.03077301	0.16730492	0.41918822
0.01949427	0.15310065	0	0.00087808	0.00096159	0.00106918	0.01089136	0.76527367	0.45263919
0.01616469	0.00289666	0.00186502	0.00171195	0.00091663	0.00098408	0.00548381	0.22159457	0.31898516
0.02479017	0.0464787	0.0262899	0.00672598	0.00225747	0.00130394	0.01518167	0.40185524	0.52059547
0.23018978	0.02062214	0.00535392	0.01872102	0.00564055	0.04826177	0.24051545	0.27380071	0.43268863
0.01862206	0.15540442	0	0.00099079	0.00108027	0.00119556	0.01400116	0.98623961	0.58422024
0.01221032	0.13648603	0	0.00087615	0.00095304	0.00105212	0.01177972	0.91998471	0.51772685
0.05585013	0.00684047	0.00934971	0.00168515	0.00090437	0.00504332	0.02910027	0.21738296	0.4324063
1.13098627	0.08041936	0.0006924	0.00061932	0.00067723	0.02032175	0.12751473	0.14406986	0.47556112
0.03947989	0.02100148	0.00089206	0.00164001	0.00087904	0.00094309	0.01781337	0.8776246	0.91046376
0.01134669	0.01176237	0.00071203	0.00065025	0.00069921	0.00076228	0.01051611	0.86398863	0.45577561
0.34281461	0.03141754	0	0.00109629	0.00111572	0.31242739	5.15740328	0.04318219	0.0966466
0.9379677	0.06097498	0.00071151	0.000656	0.00070194	0.35346814	1.56991996	0.14838277	0.23521797
0.14802145	0.02199502	0.36512582	0.01193807	0.00094342	0.04337864	0.15634096	0.1754474	0.20500992
0.08904989	0.03246545	0.00277817	0.00499405	0.00176186	0.00703793	0.04109534	0.36620128	0.77213038
0.01089962	0.01009981	0.00085201	0.0007906	0.00086889	0.00093381	0.01268702	1.90526079	0.61172377
0.01066486	0.01020502	0.00052137	0.00047969	0.00051272	0.00055527	0.00717929	1.07914905	0.40397009
0.12013677	0.06175638	0.00268964	0.00239577	0.00261884	0.00295057	0.04975898	0.47988478	0.65578589
0.00752747	0.0155731	0.00107272	0.00197028	0.0010555	0.00114021	0.00967011	0.56658659	1.28476188
0.01718361	0.0039268	0.0007516	0.00139638	0.00074149	0.00079124	0.0122522	0.61454785	1.49592036
0.55145648	0.02193755	0.00068132	0.00194223	0.00067298	0.74336901	1.29179196	0.05474783	0.1308319
0.05910263	0.00637964	0.00292849	0.00362027	0.00185086	0.00107507	0.04390346	0.12588117	0.37351495
0.33091015	0.03566235	0.01061578	0.04159329	0.01284126	0.07941349	0.28129832	0.20922925	0.30630156
0.01104618	0.00266873	0.00168301	0.00160057	0.00082206	0.00089982	0.00500856	0.17871171	0.28791165
0.69445469	0.09326828	0.00076265	0.00065499	0.00071645	0.06130743	0.49537005	0.22979279	0.42309021
0.04035126	0.00446846	0.00255774	0.00463453	0.00165284	0.00091656	0.02412384	0.12224841	0.30229244
0.02091074	0.00554062	0.00617437	0.00731931	0.00167887	0.00187654	0.01591244	0.44546831	0.74053834
0.20045437	0.02450062	0.02544193	0.08773721	0.00216613	0.05595569	0.26028562	0.11992723	0.18524475

0.19139739	0.02338453	0.02390889	0.08342437	0.00203751	0.05343358	0.24840716	0.11440582	0.17670885
0.01821525	0.00509692	0.01269967	0.0066345	0.00234026	0.00209687	0.01454027	0.19522761	0.39859156
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0.30756686	0.08265155	0.0011945	0.00105742	0.00116605	0.0210279	0.07222919	0.58711307	0.64073026
0.14551347	0.06775822	0.00154606	0.00138764	0.00150768	0.01027827	0.04546323	0.83841497	0.95032134
0.0045647	0.00113299	0	0	0	0.00027562	0.00063687	0.0248336	0.03567005
0.03635805	0.14071493	0.00093323	0.00084378	0.00092261	0.0010242	0.01623461	0.75039731	0.49743731
0.20717431	0.04895705	0.01824552	0.03044806	0.06252627	0.02117619	0.17940839	0.16504294	0.26498307
0.17361686	0.02505055	0.0485275	0.02755002	0.00253109	0.0519814	0.17787277	0.22415825	0.273733
0.12474372	0.02470467	0.11167038	0.02880864	0.00277135	0.0416194	0.10267326	0.1871137	0.21299524
0.02953967	0.0053606	0.00072261	0.00064291	0.00070607	0.00158585	0.01090933	0.23482399	0.73348305
0.00634582	0.00796464	0.00094103	0.00090973	0.00093453	0.00096649	0.00829898	1.21824177	3.84999703
0.04157027	0.00561014	0.00076149	0.00074438	0.00075207	0.00079841	0.01876837	0.71895667	1.68060356
0.01765022	0.00662638	0.01372589	0.00792927	0.00349636	0.00346619	0.01533223	0.20988861	0.42450052
0.01469525	0.1408686	0.00097339	0.00086996	0.00095193	0.00105753	0.00897749	0.84954646	0.57548123
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0.06882256	0.66150975	0.00125462	0.00111362	0.00122536	0.02394701	0.04841842	0.7493902	0.97157631
0.32673637	0.05867765	0.01551859	0.04286832	0.02024743	0.05836787	0.3233332	0.28059592	0.4141469
0.30510142	0.03108666	0.01419201	0.45486476	0.00269711	0.07026314	0.30171045	0.19925537	0.29983181
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0.14238918	0.75154822	0.00117476	0.00102974	0.00110552	0.02931292	0.05587178	0.58831589	0.72779819
0.15295993	0.03389918	0.0052172	0.00811283	0.0024854	0.02007949	0.1062518	0.40034633	0.67453873
0.48851956	0.04402326	0.00316668	0.00296284	0.00079098	0.40520748	2.01529802	0.06889959	0.20552385
0.16024708	0.0228621	0.02969683	0.0197501	0.00167343	0.0455981	0.13933936	0.12081553	0.16230391
0.02623244	0.16809506	0.00087278	0.00083317	0.00090431	0.00099598	0.01593112	1.20585717	0.43621609
0.25112792	0.02600122	0.03484369	0.22696153	0.00358901	0.06969414	0.317224	0.15803634	0.21840577
0.01305337	0.03041379	0.00166383	0.00386769	0.0016396	0.00087941	0.01171167	0.77111276	0.9432769
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0.11205685	0.02044123	0.03786924	0.12266445	0.00338179	0.04325019	0.11781918	0.14549598	0.22051193
0.94248142	0.11207645	0.0008929	0.00077731	0.00084506	0.02966198	0.27044943	0.25036832	0.74027359
0.59557382	0.07670606	0.00074265	0.00066187	0.00072588	0.01531521	0.14849581	0.19651875	0.60647011
1.29715607	0.05024172	0.00074172	0.00138796	0.00073084	0.41533201	1.03346301	0.05961502	0.12419109
0.0126435	0.04194121	0	0	0.0007388	0.00080425	0.01175609	0.84062716	0.31458707
0.17089305	0.05166974	0.02561178	0.03692739	0.45090971	0.03782837	0.12317028	0.23622582	0.27805925
0.17613294	0.07347001	0.0015254	0.00136078	0.00149123	0.01532691	0.03802827	1.05017841	0.98873079
0.00727599	0.06710195	0.00095174	0.00089862	0.00094072	0.00099496	0.01002051	1.2725495	2.28298706
0.04007567	0.2556835	0.00072244	0.00064795	0.00069716	0.00155522	0.01723014	0.50225131	0.27622842
0.20678371	0.02910543	0.02372768	0.05286839	0.00178241	0.0565907	0.18402506	0.25705698	0.31829816
0.29520104	0.0524201	0.0082138	0.01513132	0.01393085	0.05468565	0.26965629	0.2031113	0.31670269
0.04965395	0.00989532	0.05993624	0.01010681	0.00095562	0.01232549	0.05878285	0.16804162	0.22125665
0.05734335	0.07388567	0.00124441	0.00111004	0.00121652	0.0097817	0.01908056	0.88906243	0.97204523
0.00849936	0.01172649	0.00087208	0.00242597	0.00084904	0.00092368	0.00806068	0.41005203	0.97435014
0.00568728	0.00198418	0.00430262	0.00168039	0.00046263	0.00050567	0.00382595	0.0520415	0.19098267
1.02666363	0.07162515	0.00073148	0.00068622	0.00072209	0.2883986	1.43334739	0.1566039	0.26311706

0.0058916	0.00740774	0.00152402	0.00326382	0.00099576	0.00053413	0.0043838	0.16579331	0.31580963
0.02709587	0.04592175	0	0.00055678	0.00060038	0.00065657	0.02947494	0.31074457	0.22932917
0.21137374	0.02617434	0.02498811	0.08362683	0.00210354	0.06036508	0.26295634	0.12877435	0.19433666
0.01637948	0.00784293	0.00095241	0.00174871	0.00093717	0.00101214	0.01938199	0.56397736	1.16893723
1.39764157	0.11646057	0.00080277	0.00071834	0.00078525	0.03411746	0.15696423	0.18642842	0.45716508
0.07415835	0.01691405	0.46278583	0.0125246	0.00163052	0.02419644	0.05424225	0.23078177	0.26714904
0.40525835	0.0619951	0.00224747	0.00204675	0.00147335	0.07338482	0.2714416	0.23612893	0.64446431
0.07959079	0.01651929	0.33492216	0.01492512	0.00182829	0.02671754	0.05965929	0.12423697	0.1526467
0.09643064	0.05711676	0.00111425	0.00098475	0.00108737	0.00497726	0.05773024	0.71658359	1.06288054
0.10541724	0.22098545	0.00123488	0.00108622	0.00120402	0.01112208	0.05508334	0.54449314	0.88357537
0.24972749	0.0426131	0.00799853	0.02803843	0.01189101	0.04213226	0.25889059	0.24370349	0.30988276
0.97202957	0.10423996	0.00080295	0.00071314	0.00078431	0.01833046	0.10871278	0.14003761	0.53959195
0.0174829	0.0125304	0.00078168	0.00073054	0.00077106	0.00081273	0.01046113	1.10557722	1.78596865
0.34715136	0.05694414	0.01055704	0.03963241	0.02799165	0.09199791	0.33206766	0.20558319	0.29944964
0.17420264	0.04374174	0.03588287	0.0483776	0.11783654	0.01492064	0.15939138	0.20416468	0.27707612
0.15454095	0.04668292	0.0213573	0.03223582	0.40598454	0.03413451	0.1118733	0.22007316	0.25364432
0.14689809	0.03851222	0.02165715	0.0374596	0.12261658	0.01310779	0.13928502	0.17736608	0.25788656
0.12648399	0.0319272	0.00432473	0.005764	0.00207158	0.01905413	0.08911358	0.27975658	0.41378797
0.2006634	0.07902893	0.00662202	0.0053644	0.00249483	0.04674661	0.11073053	0.13397117	0.25677745
0.15505963	0.04253062	0.02552221	0.04079461	0.25523194	0.01445629	0.14429753	0.18884217	0.2694784
0.07941251	0.01531947	0.18991085	0.00965184	0.00153263	0.0202023	0.07866147	0.13684503	0.17074247
0.02101493	0.03151269	0.00090332	0.00079322	0.00087251	0.00196032	0.01213027	0.7936472	0.65947142
0.61111911	0.04043222	0.00166316	0.00235976	0.00082159	0.4641785	2.12243153	0.07790694	0.24890472
0.03162219	0.01679263	0.00109391	0.00095673	0.00104953	0.00234916	0.01913115	0.41132884	1.05699586
0.00718806	0.01446599	0.00092242	0.00255553	0.00090713	0.00098233	0.00741656	0.46398868	0.95897922
0.03945602	0.01134727	0.00078176	0.00072816	0.00077063	0.00082536	0.01523711	1.01507468	1.63618092
0.1951661	0.02192918	0.02837308	0.07381475	0.00190344	0.05597741	0.24071694	0.11073242	0.14976965
0.26123864	0.06003596	0.001044	0.00092192	0.00101867	0.01290639	0.05068427	0.51649819	0.87025966
0.06333571	0.0703489	0.00161514	0.00291689	0.00158262	0.00962226	0.01236304	0.39579702	0.78727852
0.10836414	0.05574929	0.00245863	0.0021955	0.00240402	0.00267269	0.04536554	0.44708636	0.61045053
0.35117195	0.09048991	0.00119458	0.0010549	0.00116559	0.02543868	0.04487348	0.63684469	0.82745742
0.00859282	0.00895359	0.00175462	0.0015952	0.00167607	0.00091863	0.00587515	0.22095877	0.49545997
0.13141529	0.0326129	0.00460539	0.00612761	0.00217052	0.02042665	0.0929919	0.30813719	0.47134968
0.01949966	0.02616464	0.00104377	0.00092876	0.00097087	0.00113734	0.0147293	0.44539215	0.74438601
0.4626862	0.04513091	0.00111161	0.00102429	0.00106174	0.24825497	3.70134225	0.06376383	0.15475761
0.10951831	0.80259965	0.00124492	0.00109501	0.0012138	0.02787748	0.06299774	0.67037223	0.8154435
0.08930142	0.02031555	0.40607322	0.0121901	0.0024663	0.02997054	0.06158482	0.22787553	0.26759877
0.04112977	0.01347402	0.00089221	0.00082481	0.00090783	0.00097896	0.01586683	1.51004904	0.67218307
0.01379588	0.04375063	0.0008318	0.00157254	0.00082041	0.00087646	0.01050866	0.98782772	1.45427326
0.10968249	0.01905521	0.43590493	0.01365776	0.00215244	0.03118105	0.11444128	0.16680462	0.21276056
0.02835691	0.0047415	0.00191449	0.00353669	0.00123435	0.0006788	0.02592546	0.4351925	0.47413739
0.01408522	0.00498866	0.00194401	0.00270457	0.00093954	0.0010217	0.01310202	0.4922377	1.74439563
0.00742706	0.09792144	0	0	0.00067221	0.00072828	0.00999295	0.79648464	0.45752737
0.1387316	0.01998098	0.22819839	0.01149295	0.00138488	0.03762842	0.14281613	0.18267582	0.20618106

0.20879947	0.02481125	0.02750591	0.07412213	0.00178331	0.06063184	0.21691702	0.22435135	0.28891959
0.02566915	0.00527527	0.00073183	0.00067593	0.00072023	0.00077731	0.0162896	0.67939999	0.57130799
0.17080082	0.04289538	0.03484004	0.04723596	0.11539175	0.01463217	0.15618513	0.19999744	0.27138629
0.12735465	0.26024005	0.00250995	0.00108561	0.00120391	0.03442685	0.0617659	0.501867	0.83274459
1.00421347	0.06994078	0.00078147	0.00073651	0.00077214	0.32469568	2.03833671	0.14609856	0.23397759
0.99599078	0.09762089	0.00230462	0.00073382	0.00077166	0.09067622	0.46966424	0.42854698	0.70286858
0.08327372	0.01605835	0.19924373	0.01012156	0.0016014	0.0211893	0.08249999	0.14353013	0.17908157
0.8532833	0.09341311	0.00057222	0.00050439	0.00055815	0.01492566	0.07904757	0.11587378	0.30416808
0.47496642	0.0788848	0.00121456	0.0010755	0.0011857	0.02247203	0.07331236	0.56761557	0.66006256
0.12116793	0.02362624	0.00534916	0.00639199	0.00263847	0.01528781	0.03720414	0.25380867	0.60668779
0.22019458	0.03920404	0.00248885	0.00221912	0.00159902	0.03710782	0.16652045	0.28922464	0.74726908
0.01617713	0.00778548	0.00077129	0.00073185	0.00076311	0.00080339	0.01052697	0.92989518	2.57615598
0.0141794	0.07489883	0	0	0.00059086	0.00125629	0.01770266	0.74411665	0.34238749
0.29443919	0.02999848	0.01401166	0.43922229	0.00263778	0.06782524	0.29098994	0.18957334	0.28917381
0.00050773	0.00067455	0	0	0	0.00013748	0.00010219	0.01544955	0.01208015
0.013368	0.00452899	0.01302268	0.00283549	0.00074668	0.00044479	0.01201326	0.08062678	0.10885888
0.90773961	0.07062523	0.00079159	0.00072416	0.00076172	0.30674714	2.11008784	0.14557923	0.22798156
0.99669419	0.06860026	0.00070168	0.00065045	0.00069105	0.29414538	1.28075226	0.13691082	0.22659225
0.13902485	0.18655283	0.00241931	0.00104552	0.0011557	0.03592803	0.0670912	0.56331968	0.8710798
0.49594746	0.03155455	0.0007923	0.00144421	0.00076789	0.36518214	1.59025582	0.02783168	0.04608706
0.30628987	0.03258431	0.00925163	0.03084946	0.01420042	0.07351242	0.25504249	0.20570589	0.2961935
0.01129444	0.01009058	0	0.00040146	0.00046436	0.00045497	0.01371381	0.33780552	0.20579417
1.20924133	0.08941202	0.00068226	0.00061326	0.00066794	0.01691804	0.09033966	0.14764319	0.44520703
0.01100223	0.01876328	0	0	0.00060297	0.00061238	0.01442305	0.42774184	0.26979533
1.01824375	0.09972894	0.00086285	0.00081191	0.00088408	0.06061175	0.11740593	0.3920561	0.6697108
0.05039652	0.07409	0.00169539	0.00307096	0.00166126	0.01014162	0.01120669	0.41694645	0.82935397
0.83609625	0.10580133	0.00063243	0.00055843	0.00061707	0.01588639	0.08122634	0.13575141	0.36890359
0.72710755	0.05236515	0.0009027	0.00082029	0.0008856	0.03702282	0.0685629	0.17697833	0.45353124
0.37590217	0.05681387	0.00215664	0.00132707	0.00070816	0.0359099	0.16133361	0.27999238	0.70046856
0.49940319	0.03956418	0.00108298	0.00197532	0.00105429	0.48533359	2.13942129	0.03476006	0.0564627
0.06900846	0.00715109	0.00171398	0.00160202	0.00084934	0.00091162	0.02187625	0.98784904	1.48418928
0.02282919	0.02099644	0.00094239	0.00088807	0.000947	0.00102294	0.01355197	2.0931348	0.77136952
0.29224266	0.1024065	0.00092334	0.00082162	0.00090223	0.00709727	0.09208665	0.42703747	0.81587633
0.27485873	0.0274315	0.01443657	0.1794397	0.00355129	0.06395343	0.25387891	0.16119057	0.24974146
0.00831635	0.1096125	0	0	0.00076118	0.00082328	0.01118339	0.89151504	0.5121259
0.05673897	0.06704148	0.00073249	0.00065659	0.00071674	0.00317696	0.03292023	0.43643882	0.28167313
0.15511689	0.04213026	0.02598263	0.04046295	0.03711712	0.00819274	0.0989888	0.28063108	0.32230457
0.04588636	0.04543324	0.00182584	0.00242629	0.00175938	0.0079047	0.01903802	0.38434454	0.80420519
1.48625001	0.05469775	0.00086222	0.0015893	0.00084819	0.52411696	1.29017535	0.09092737	0.16946572
0.20424896	0.02704833	0.0379654	0.03991903	0.00165508	0.05837287	0.23718405	0.25555165	0.32249431
0.35771884	0.03366321	0.00858247	0.03339771	0.01949349	0.0747843	0.3079178	0.2186852	0.31785664
0.85579138	0.0586761	0.00076153	0.00070545	0.00075184	0.33377141	1.97445463	0.13237567	0.21047148
0.00632688	0.00572406	0.00038096	0.0003518	0.0003749	0.00040468	0.00669806	0.4108917	0.24499948
0.00970007	0.02777083	0	0	0.00067275	0.00067306	0.01418784	0.60319743	0.31802358

0.01470267	0.1030326	0.00098709	0.00077084	0.00094221	0.00945847	0.01432731	0.03246225	0.00250921
0.67490105	0.11234841	0.00165595	0.00074173	0.00081405	0.04538382	0.1932672	0.19460151	0.50429995
0.14775796	0.042544	0.02402881	0.03854317	0.031914	0.00742215	0.09485988	0.270245	0.32320205
1.12151834	0.08279975	0.00242505	0.00077887	0.00082076	0.2021382	0.58725106	0.49216964	0.44841683
0.05213765	0.14684887	0	0.00065604	0.00070025	0.00151443	0.04378139	0.65940991	0.37321157
1.18710462	0.09862832	0.00074255	0.00067366	0.00073621	0.0203111	0.10141274	0.15797476	0.47822921
0.02031512	0.02629922	0.0062348	0.00649011	0.00167844	0.00189993	0.01604321	0.59860841	0.7557968
0.07849225	0.17942171	0.00093366	0.00082217	0.00091052	0.00486844	0.03104692	0.68249253	0.74627823
0.07396961	0.03348107	0.00231622	0.0053669	0.00223742	0.00760419	0.02910752	0.4038998	1.03103407
0.0329416	0.035277	0.00104378	0.00092847	0.00101985	0.00227518	0.01286669	0.87249275	0.81266265
0.024319	0.07037032	0.00072201	0.00066067	0.00070928	0.00077191	0.01182096	0.52579137	0.57055547
0.49700159	0.0798443	0.00184572	0.00085383	0.00092443	0.04992758	0.19397544	0.53879432	0.9710674
0.06863484	0.6010396	0.0010039	0.00091164	0.00097924	0.01578197	0.03903494	0.73041721	0.62422027
0.33045032	0.09384037	0.00313171	0.0023033	0.0011564	0.07035269	0.16920757	0.13507095	0.2222111
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0.03004928	0.00514815	0.00207489	0.00383289	0.00134288	0.00074268	0.02803995	0.47588373	0.53126504
0.00278262	0.00072649	0.00319713	0.0011583	0.00053357	0.00076151	0.00278911	0.08750861	0.1413969
0.49012056	0.1149111	0.00670566	0.00562176	0.00299737	0.08157734	0.47753254	0.11777915	0.3105646
0.09442312	0.01453511	0.04012937	0.00968834	0.00171001	0.01901492	0.09425804	0.13056559	0.1976094
0.06241755	0.01457132	0.45348627	0.01055739	0.00138453	0.02054238	0.0444466	0.18700811	0.21408851
0.16712563	0.01679617	0.01148706	0.01608572	0.02071598	0.03844872	0.17315994	0.11247225	0.14989043
1.52576276	0.10972942	0.00077232	0.00140342	0.00075766	0.09061593	0.34668493	0.12669553	0.18830232
0.11444456	0.13958784	0.00101374	0.00089959	0.00099005	0.01130719	0.06466497	0.74247434	0.864177
0.00535775	0.06394209	0	0.00058459	0.0006218	0.00066973	0.0057109	1.04096452	0.82866611
0.02099723	0.00698677	0.01354415	0.00761696	0.00377309	0.00367609	0.01725229	0.23664454	0.49153617
0.77485724	0.05146918	0.00068107	0.00062931	0.00065445	0.2604438	2.17714085	0.10500366	0.12614904
0.1551278	0.01535165	0.01599644	0.01244132	0.00215602	0.04169385	0.1494931	0.17180966	0.22397866
0.01438614	0.0905464	0	0.00055089	0.00059113	0.00064298	0.01819611	0.5612656	0.30035419
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0.56080074	0.09153932	0.0022469	0.00140921	0.00074753	0.25481081	1.03641464	0.19030974	0.31577214
0.10529611	0.46278161	0.00204787	0.00088624	0.00097945	0.03372288	0.06723332	0.37837076	0.88035756
0.08453534	0.01755304	0.35531633	0.01580243	0.00192656	0.02838622	0.0736225	0.13189527	0.16204872
0.03814036	0.00780378	0.08641019	0.01283191	0.00139627	0.00236728	0.03275774	0.21771069	0.28202175
0.02249664	0.02604233	0	0	0.0006134	0.00065196	0.03322453	0.47828872	0.25629614
0.08334141	0.24413087	0.00107413	0.00094823	0.001048	0.00853278	0.0549349	0.45411054	0.78247111
0.01082428	0.00564042	0.01208721	0.00286312	0.00040325	0.00262365	0.00850805	0.10672981	0.11839541
0.09433178	0.01839437	0.00374298	0.00331117	0.00166847	0.01127977	0.06110789	0.19701221	0.40307959
0.56508078	0.05958958	0.0010822	0.00206771	0.00106827	0.63425362	2.76765086	0.08384714	0.15674295
0.08918508	0.01846572	0.16320371	0.01631153	0.00133354	0.03469793	0.07598781	0.11704772	0.13859261
0.73526053	0.09176499	0.00224691	0.00140907	0.00074751	0.25520808	1.03606263	0.19066342	0.31631821
0.48036068	0.18131811	0.00244741	0.00222157	0.00120027	0.04341368	0.16687756	0.40071874	0.83394911
0.10659015	0.33324815	0.00102384	0.00090677	0.00099954	0.01154184	0.10423393	0.5489455	0.75002815
0.55832227	0.0898122	0.00074256	0.00135594	0.00072636	0.04907178	0.43009063	0.20656936	0.540928

0.13209214	1.07176539	0.00128488	0.00113602	0.00125399	0.01959599	0.04826503	0.49890198	0.71617489
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0.15520508	0.01592901	0.02002735	0.01212782	0.00223526	0.04020388	0.14754855	0.17164093	0.2181313
0.17858151	0.0257088	0.04878149	0.0413288	0.0019373	0.05271235	0.18016045	0.24921723	0.3102179
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0.88903494	0.09412581	0.00075279	0.00067669	0.0014997	0.02516225	0.23645687	0.15028807	0.49066765
0.00336557	0.00103325	0.00663707	0.00092394	0.00049313	0.00052261	0.00372527	0.05645953	0.06227859
0.23939539	0.03027188	0.0031507	0.00322929	0.00162986	0.04092753	0.14424706	0.2563201	0.41885403
0.9252196	0.10690993	0.00077271	0.00138004	0.0015111	0.03066494	0.34702649	0.15255702	0.37100983
0.10980295	0.40230455	0.00089379	0.00080444	0.0008698	0.01730351	0.04119661	0.32796368	0.56020733
0.25646551	0.13799415	0.00376214	0.00254174	0.00183775	0.08502505	0.12247989	0.29494477	0.64573016
0.85960297	0.09258689	0.00181609	0.00242285	0.00089367	0.27264893	1.30489456	0.18708819	0.33955766
0.01793881	0.0371793	0	0	0.00067039	0.00072656	0.02682117	0.52059078	0.30666567
0.01461905	0.03237028	0	0	0.00058217	0.00060663	0.02075979	0.43875085	0.20730001
0.08936319	0.66515967	0.00100385	0.0008864	0.00097948	0.01453405	0.04875464	0.56336452	0.62605609
0.07194793	0.01111923	0.0047565	0.00706203	0.00280695	0.0144621	0.04492314	0.27715832	0.65137696
1.41843313	0.02828642	0.00086157	0.00162764	0.00085166	0.123021	0.35540993	0.11220104	0.70207117
0.07563228	0.01339157	0.04884081	0.00744984	0.0014327	0.01702385	0.07090393	0.10212906	0.1376938
0.0110972	0.03799741	0	0	0	0.00070412	0.01224155	0.61096269	0.2809075
0.96941532	0.09735821	0.0022278	0.00100398	0.00109904	0.04666878	0.11048186	0.48615313	0.89850724
0.31194431	0.05900195	0.00962562	0.02668091	0.08105092	0.06086105	0.27145847	0.34017926	0.40899229
0.01636081	0.07725409	0	0.00056193	0.00060951	0.00067081	0.01814798	0.46644813	0.24344397
0.0994885	0.07821704	0.0210455	0.01089551	0.00453136	0.00884174	0.04585724	0.2390432	0.25522048
0.08314405	0.4088802	0.00080297	0.00071231	0.00076455	0.0087673	0.04555446	0.50662014	0.44684095
0.76072836	0.08941633	0.00553798	0.00656256	0.00279071	0.24439063	1.23922649	0.11315535	0.33061102
0.87269169	0.06665913	0.00154419	0.00211532	0.00151766	0.07558189	0.68889176	0.0983393	0.34828674
0.07534925	2.14108586	0.0011651	0.00100966	0.00113284	0.03628584	0.03268947	0.34952267	0.40168184
0.66475221	0.13889959	0.00320075	0.00655668	0.00363358	0.17129082	0.7532085	0.1709741	0.35539468
0.02568176	0.01328325	0	0	0.00059944	0.00066116	0.03673447	0.33833463	0.22706051
0.25806185	0.30739897	0.00103322	0.00093512	0.00101286	0.0199696	0.08226915	0.39762134	0.64874144
0.44634821	0.11254794	0.00155503	0.00195317	0.00142491	0.1376735	0.57595301	0.09650371	0.26699494
0.08606629	0.01267318	0.03542237	0.00663025	0.00125039	0.01778793	0.08717134	0.03929722	0.08226641
0.01312351	0.10642201	0	0.00054189	0.00058131	0.0006321	0.01603908	0.3928708	0.20634338
1.13935376	0.11170583	0.00263528	0.00084669	0.00089037	0.10372103	0.53652086	0.49025139	0.8040777
0.14326802	0.05540406	0.00296076	0.00430156	0.0019023	0.00549248	0.02937769	0.33210467	0.56922571
0.45775901	0.03749256	0.00101313	0.00183514	0.00098347	0.44354524	1.89892755	0.03007866	0.04912541
0.92688441	0.12691643	0.0008728	0.00078737	0.00085507	0.02556142	0.27660603	0.27511455	0.69546053
0.0995319	0.01542153	0.62320271	0.00735244	0.00166758	0.02771297	0.10053459	0.15201579	0.17919203
0.06212586	0.6940298	0.00081313	0.00071772	0.00077374	0.00607029	0.02824037	0.47957055	0.37971021
0.65975065	0.11989915	0.00411926	0.00193243	0.00101763	0.06094973	0.42958268	0.28256885	0.62950126
0.56377909	0.04414867	0.00250493	0.00314555	0.00083116	0.44495832	2.13568554	0.07551133	0.23399472
0.40936663	0.08180631	0.00490774	0.00617076	0.00197115	0.04893912	0.29088606	0.18839742	0.189774
0.59104689	0.07237076	0.0020367	0.01249342	0.00280972	0.18527624	1.02143381	0.17607788	0.19468062
0.0123783	0.11228955	0	0	0.00073165	0.00078045	0.01147518	0.56843478	0.34370608

0.02433484	0.01295733	0.00089227	0.00082297	0.00087789	0.10493802	0.01682958	0.00493069	0.01210634
0.02535541	0.0843675	0	0.00059298	0.0006397	0.00069989	0.02158338	0.41466252	0.29429471
0.09647222	0.0194793	0.07857316	0.01839612	0.00142403	0.03637273	0.07706737	0.21005631	0.24423696
0.02262511	0.07919081	0.00077208	0.00073636	0.00075893	0.00085569	0.01215569	1.38229858	0.53801062
0.38609905	0.06341921	0.00906491	0.02287596	0.09706322	0.07955267	0.31021004	0.26867689	0.34757631
0.27714469	0.03360137	0.0007322	0.00729846	0.00140705	0.22642022	1.06507785	0.05387727	0.065337
0.14879704	0.05172417	0.0028094	0.00339664	0.00180708	0.0083238	0.0722973	0.3741143	0.6407765
0.0101268	0.10716821	0	0	0.00077754	0.00085035	0.01440891	0.58319309	0.28684719
0.01078693	0.00964403	0	0.0003828	0.00044461	0.0004338	0.01310373	0.32285032	0.19664882
0.4503789	0.11739451	0.0060917	0.00754112	0.00338427	0.12962995	0.68608534	0.10332935	0.32037863
0.54745882	0.03973243	0.00197719	0.00264157	0.00097076	0.06034143	0.14404685	0.15904836	0.72354957
0.01940395	0.02691836	0	0	0.00056187	0.00055594	0.02137744	0.36770625	0.30358829
0.01352584	0.00808177	0	0	0.00039629	0.00038664	0.01629788	0.12141833	0.11725195
0.566328	0.06746462	0.00695154	0.01056397	0.00240943	0.13821243	0.64693874	0.32435592	0.27516436
0.02583246	0.01375019	0.0009424	0.00086921	0.00092721	0.1113652	0.01990187	0.00522938	0.01284735
0.22001061	0.03675324	0.02104129	0.59057801	0.01596751	0.06869597	0.21939857	0.1763814	0.27030368
0.19500383	0.02626054	0.03778051	0.0402638	0.00122868	0.05094651	0.1901777	0.24446901	0.30302961
0.02799011	0.01130229	0.01806357	0.00262732	0.00086605	0.00421017	0.01429174	0.0859064	0.1201207
0.60500034	0.0706904	0.00479519	0.01250701	0.00247734	0.12659234	0.55256507	0.37079596	0.30113511
0.00697129	0.002387	0	0	3.9524E-05	0.00034901	0.00752793	0.12522742	0.16434365
1.05226679	0.10113012	0.00074266	0.00066148	0.00072581	0.0211357	0.1849551	0.09699425	0.34033908
0.87946305	0.04476243	0.00238418	0.00154564	0.00079252	0.30322785	3.19182179	0.05993868	0.09818484
0.12429982	0.01460289	0.05226417	0.00908596	0.00126702	0.02708124	0.13580455	0.05333299	0.09607661
0.00686695	0.06633712	0	0	0.00046386	0.00049976	0.00865558	0.60703694	0.25427028
0.43000809	0.04869314	0.00237777	0.00285435	0.00153274	0.09056725	0.22540678	0.26714358	0.74116121
0.04062942	0.00809376	0.04925643	0.00830862	0.00079801	0.01008453	0.04811782	0.13760857	0.18118969
0.61490294	0.03948121	0.0025357	0.00314613	0.00082992	0.52945523	1.9412561	0.06607438	0.20970538
0.51089494	0.18866332	0.00672897	0.00369398	0.00131981	0.09438824	0.18418555	0.44215006	0.84893293
0.03651506	0.00578043	0.25385999	0.00669375	0.00166086	0.00165777	0.03090462	0.15490222	0.21408274
0.12972643	0.03496908	0.00399439	0.0052349	0.001883	0.0190132	0.08896894	0.25940766	0.39432334
0.00597075	0.0027985	0	0	0.0003361	0.00032723	0.00652965	0.11875083	0.10849783
0.0380303	0.06196037	0	0.00076009	0.00082556	0.00090992	0.04701908	0.44290775	0.33540845
0.44714697	0.06598275	0.00463682	0.00474887	0.00219655	0.09550086	0.60198656	0.17449946	0.39926137
0.00302512	0.00092888	0.00597537	0.00083155	0.00045368	0.00046928	0.00334905	0.05079589	0.05602985
0.24341305	0.02431712	0.01256096	0.0670772	0.00327628	0.05476294	0.24540726	0.14036827	0.21611048
0.08504391	0.01279938	0.07251914	0.00701179	0.00124761	0.01548846	0.09035015	0.1138603	0.26904249
0.02784319	0.00446595	0	0.0006182	0.00075896	0.10967346	0.00720545	0.00065476	0.01441085
0.01552895	0.0241746	0	0	0.00059258	0.00063594	0.02124426	0.45789405	0.21329006
1.04280173	0.03884568	0.0010443	0.00273032	0.00101706	4.56782014	0.18334482	0.02303603	0.17491639
0.47705176	0.08767638	0.0010939	0.00099298	0.00108886	0.03561817	0.10121645	0.53405654	1.03742278
0.98850946	0.09826015	0.00164565	0.00076361	0.00077549	0.05169154	0.14324386	0.23538401	0.61589452
0.23585039	0.09407944	0.00189647	0.00084505	0.00092285	0.02042899	0.10711659	0.30112798	0.57569991
0.20930677	0.03824689	0.00182526	0.00083236	0.00089597	0.02837088	0.00521334	0.10346351	0.20188974
0.03048514	0.03777585	0	0.00044643	0.00048213	0.00052813	0.03013471	0.24788203	0.21926654

0.58730152	0.03865129	0.00157533	0.00147587	0.00078553	0.1077568	0.25456155	0.32443736	0.73914094
0.02469153	0.0778042	0	0.00050613	0.00056992	0.00062882	0.02478	0.33536526	0.20158026
0.01615548	0.08182308	0	0.00068671	0.00076811	0.0008376	0.02056722	0.96184505	0.44253744
0.70389169	0.06239206	0.00089244	0.00164512	0.00087698	0.35130554	1.6880201	0.07543844	0.14341303
0.07093573	0.01581917	0.05159232	0.00701806	0.00144895	0.01441998	0.0591342	0.08357018	0.12376189
0.01923161	0.0407503	0	0	0.00067017	0.0006955	0.02408685	0.52321316	0.22943296
1.04628426	0.06874774	0.00091301	0.00082124	0.00088414	0.15207967	0.27098596	0.16352593	0.52343017
0.04217175	0.09998148	0.00082349	0.00071712	0.00080141	0.00091002	0.02197585	0.22324153	0.10255485
0.44712168	0.08798663	0.00392466	0.01063709	0.00256764	0.20176507	0.64517866	0.17868647	0.20336483
0.36933415	0.05127938	0.00761132	0.47552405	0.00777191	0.09356382	0.35025976	0.22083644	0.32933692
1.3036872	0.03365734	0.00094324	0.00167987	0.00092273	0.53484173	0.3112759	0.04286532	0.35508426
1.25660506	0.02505988	0.00076138	0.00143838	0.00075263	0.10798901	0.31486291	0.09939707	0.62197307
0.355417	0.07321798	0.00313163	0.0018692	0.00102915	0.0432877	0.23328766	0.36087291	0.82568256
0.25312266	0.0356235	0.00085288	0.00734475	0.00140419	0.30220944	0.88999545	0.05972501	0.11643013
0.33886821	0.03576255	0.00846536	0.35032494	0.00494945	0.07415721	0.33488029	0.20065785	0.30282007
0.52478336	0.08315516	0.00327149	0.0037545	0.00199188	0.25578386	1.19586779	0.0953277	0.27536151
0.29343785	0.0294029	0.01204155	0.14715435	0.00512721	0.06726056	0.30007656	0.1708222	0.26006778
0.46018424	0.05526374	0.0032816	0.00405595	0.00295309	0.07841836	0.42292891	0.23015149	0.48023414
1.24588077	0.03875336	0.00075263	0.00200832	0.00146216	0.6466665	0.60302561	0.04419208	0.06471225
0.05995994	0.20541109	0	0.00062445	0.00066996	0.00145722	0.0420537	0.66085117	0.38107005
0.06793879	0.01588747	0.0471116	0.00630743	0.0012634	0.01384727	0.05785649	0.08395669	0.11885616
0.02629438	0.00355536	0.04668106	0.02078873	0.00198505	0.00216757	0.02811907	0.06700378	0.0823739
0.40838637	0.0430864	0.00081312	0.00470752	0.00071504	0.27476538	0.79138577	0.04384585	0.055255
0.06415895	0.09678583	0.00188703	0.00337206	0.00184254	0.01470399	0.01712809	0.37028285	0.76115157
0.02635304	0.00840665	0.02568501	0.00475501	0.00105638	0.00246625	0.01394127	0.05544262	0.1867907
0.08715186	0.27671585	0.00085378	0.00073853	0.00082986	0.02170427	0.0312174	0.208008	0.22203246
0.4991795	0.0453517	0.00218691	0.00198523	0.0014255	0.08882786	0.40123111	0.24770077	0.57188676
0.49100189	0.0273629	0.00240478	0.00150604	0.00078162	0.48673329	2.23769332	0.02324935	0.02158385
0.02231186	0.01740156	3.0069E-05	0.00051276	0.00054327	0.00058259	0.02614592	0.27394567	0.20843024
0.15851808	0.0357167	0.00161605	0.0035836	0.00157778	0.00448643	0.07462233	0.266274	0.56042311
0.44410732	0.02301879	0.00073125	0.00070264	0.00073325	0.53953559	2.64525295	0.04511031	0.05477689
0.73242665	0.10994911	0.00677295	0.0084393	0.00372133	0.17698862	0.99275135	0.10275857	0.34585633
0.01383859	0.0245287	0.00211657	0.0038326	0.00130794	0.00078864	0.00948244	0.2490802	0.30400825
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0.07403701	0.01091068	0.03045802	0.00569745	0.00107317	0.01530513	0.07498575	0.03380393	0.11314288
0.33466828	0.02664831	0.00091318	0.00411734	0.00127581	0.31205402	1.18258838	0.03208739	0.06352572
0.00967587	0.01188872	0	0.00036152	0.00038485	0.00041492	0.01376895	0.32546992	0.20215929
0.96145637	0.07832096	0.00303854	0.00070596	0.00075843	0.19432149	0.45717264	0.41641967	0.37512947
0.01628735	0.02057313	0	0	0.00060331	0.0006424	0.02218256	0.43719943	0.21305063
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0.36127099	0.07699146	0.00708466	0.0078576	0.00360169	0.10725886	0.70683811	0.15588376	0.38097454
0.84839889	0.0277197	0.00200757	0.00237208	0.00131299	1.09213731	0.46324701	0.04350799	0.16424767
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0.14694746	0.13860677	0.00107396	0.00095308	0.00103907	0.00350598	0.04954895	0.45088309	0.40113697

0.00383206	0.00575062	0	0	0	0.00040309	0.0040097	0.14346257	0.11499139
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0.51132861	0.09776404	0.00387323	0.0062836	0.00290595	0.11991226	0.53957409	0.18784801	0.26016106
0.46109542	0.05743567	0.01710824	0.00672789	0.00121147	0.19882169	0.81200687	0.23408418	0.22302283
0.31246852	0.03051674	0.01949215	0.04898141	0.00761949	0.06531959	0.30013738	0.14374609	0.25503396
0.38456994	0.03289178	0.0006522	0.00347515	0.00121766	0.10862643	0.71892423	0.05560384	0.10619785
0.13020319	0.01678898	0.06433915	0.0157449	0.00140396	0.0327768	0.1304688	0.15513288	0.16660797
0.09250326	0.01391879	0.07891021	0.00762545	0.00135567	0.01684518	0.09826836	0.12084829	0.16683063
0.09906721	0.14339853	0.00062173	0.00056884	0.00061076	0.00530738	0.05658088	0.42428358	0.30810033
0.55168574	0.05792484	0.00091326	0.00315699	0.00112804	0.26721638	1.17338644	0.08624828	0.16393302
0.43483029	0.05896911	0.01789877	0.0096814	0.00173437	0.14486245	0.90383987	0.28922204	0.33908954
0.21360974	0.17912221	0.00213652	0.00097339	0.00104271	0.01836467	0.08877547	0.33611216	0.72195957
0.0228329	0.00728363	0.02225097	0.00412216	0.00091944	0.00213447	0.01208022	0.04803796	0.16184397
0.00984861	0.00513429	0.01111408	0.00262784	0.00037377	0.00238542	0.00776097	0.09747534	0.10807781
0.30495431	0.0442563	0.00187565	0.00544681	0.00172181	0.20692583	1.03034312	0.07898115	0.09562617
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0.53484529	0.06558258	0.00564762	0.01177271	0.00229114	0.10887735	0.5056995	0.37037271	0.32880184
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0.00490413	0.00396639	0.00649886	0.00178261	0.00042333	0.00068807	0.00359657	0.09597841	0.13603605
0.0058746	0.01027717	0	0	3.9481E-05	4.2514E-05	0.00581682	0.14303073	0.10349222
0.54183573	0.04904521	0.00081298	0.00144438	0.00158827	0.11926315	0.60011707	0.24002115	0.46279761
0.10723352	0.27525594	0.00083278	0.00075699	0.00081518	0.01362434	0.05597379	0.39173096	0.4143444
0.02552512	0.00775416	0.01807392	0.00369255	0.00099389	0.00339327	0.01236854	0.06682042	0.17775113
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0.41881237	0.08559319	0.00350206	0.01292366	0.00406378	0.14168952	0.602029	0.15457572	0.22760006
0.48364976	0.07663819	0.00301057	0.00345878	0.00183488	0.23573321	1.10208349	0.08548954	0.25377044
0.01454973	0.05122611	0	0	0.00052303	0.00056376	0.01465325	0.35822475	0.2695587
0.42741476	0.09773916	0.00666409	0.01026069	0.00398152	0.05610264	0.36348879	0.24279741	0.2884971
0.00559043	0.0026321	0	0	0.00031635	0.00030602	0.00613469	0.11169054	0.1018708
0.82471774	0.02878578	0.001956	0.0026642	0.00096394	0.05921414	0.23018223	0.13595531	0.7757073
0.59576446	0.05147003	0.00151532	0.00068997	0.00075554	0.26915954	1.18882658	0.23432774	0.28601421
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0.48827397	0.01174812	0.00067068	0.00065969	0.00067633	1.99332313	1.42328682	0.01673351	0.01288302
0.09392033	0.10266066	0.00106365	0.00095231	0.00100128	0.0022649	0.05143259	0.33735749	0.29772277
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0.13850964	0.0162722	0.05827416	0.01012279	0.00141435	0.03017665	0.15135315	0.0594455	0.10708848
0.0197352	0.02824334	0	0	0.0004349	0.00046469	0.02187453	0.18546889	0.1752859

0.64412949	0.08066271	0.00102349	0.00624815	0.00213041	0.20218562	1.15440468	0.13215357	0.268163
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0.01280124	0.0435592	0	0	0.0005903	0.00063619	0.018715	0.4418798	0.22620769
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0.01486364	0.04157376	0	0	0.00059104	0.00063266	0.02150341	0.49394426	0.23957148
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0.01970099	0.00844035	0.02055817	0.00515875	0.00167969	0.00064066	0.01756475	0.12466957	0.18238303
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0.00010109	0.00088296	0	0	0	0	0.00019056	0.00344652	0.00038999
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0.00380943	0.00088756	0	0.00017731	0	0.00018236	0.00099889	0.02794398	0.03334504
0.00895022	0.01008795	0	0.00026044	0.00028466	0.00031586	0.00116309	0.11520012	0.1350878
0.00021044	0.00074391	0	0	0	5.2892E-05	0.00022796	0.00462941	0.0007811

0.41404447	0.03277181	0.00432629	0.00382966	0.00120523	1.04820103	0.38221853	0.05163742	0.17953629
0.00164195	0.0579733	0.00039826	0	0	0.00035506	0.00055291	0.101217	0.01276505
0.00225275	0.00249328	0	0.00012411	0	0.00013516	0.0005712	0.01748099	0.0210338
0.2710378	0.02770089	0.00189836	0.00218261	0.00061515	1.77115344	0.21833722	0.05533814	0.12402585
0.02558921	0.01015719	0.01858586	0.0026943	0.00099086	0.00347185	0.01223395	0.06393664	0.1662456
0.01373864	0.01521986	0	0.00038296	0	0.00047116	0.00167475	0.18808385	0.22467294
0.00153139	0.00654425	0	0	0	0.00015854	0.00103916	0.01905277	0.00601129
0.00152732	0.00540378	0	0.00036284	0.00039329	0.00043252	0.00027213	0.11562135	0.1130577
0.00373659	0.00345333	0	0.00021765	0.00022777	0.00023034	0.00055297	0.0517018	0.04106402
0.00360726	0.00403372	0	0.00024568	0.00025741	0.00027253	0.00064023	0.06070986	0.04398782
0.02882039	0.01510512	0	0.00047237	0.00051139	0.00056168	0.00455597	0.20160727	0.33413356
0.00017375	-0.00027902	0	0	0	0	0.00084917	0.00760273	0.00040088
0.00349388	0.00079858	0	0.0001605	0.00016009	0.00015957	0.00095958	0.02519294	0.02891833
0.00077439	0.0028068	0	0.00024592	0.00026565	0.00029107	0.00019166	0.0537144	0.04990895
0.00347271	0.00221612	0	0.00019095	0.00019837	0.00020791	0.00067377	0.06647344	0.04727672
0.00015513	-2.6937E-05	0	0	0	0	0.00068044	0.00394795	0.00080119
0.00390906	0.0029019	0	0.00022479	0.00023725	0.00025331	0.00074626	0.0512355	0.04249543
0.00029909	0.00153225	0	0	0	0	0.00030745	0.00442719	0.00114622
0.00039339	0.00150887	0	0	0	0	0.00055018	0.0132548	0.00124162

IA	KS	KY	LA	ME	MD	MA	MI	MN
0.12980924	0.02033523	0.13783993	0.00577583	0.00334115	0.17863994	0.01553951	0.5027391	0.07147419
0.0879511	0.02469599	0.02403769	0.00097694	0.00083503	0.04928969	0.00289062	2.87286294	0.01241592
0.05650229	0.0115017	0.10122399	0.00117094	0.00199985	0.06377243	0.00231879	0.83388584	0.02741286
0.08197061	0.02037854	0.07834371	0.00338499	0.00100075	0.0883125	0.00330194	0.39712193	0.03660391
0.08478846	0.02391339	0.02316548	0.00094628	0.00080991	0.04759684	0.00279017	2.76417216	0.01201287
0.0464261	0.00944607	0.08319322	0.00096732	0.00164457	0.05496354	0.00190724	0.68505915	0.02250208
0.36175446	0.10138569	0.05175529	0.00156148	0	0.00591038	0.00075322	0.80159958	0.04976439
0.16091636	0.02722526	0.13678398	0.0064559	0.00364981	0.27700134	0.01423281	0.55474165	0.0873849
0.08189731	0.02351949	0.0223197	0.0008642	0.00074527	0.05017098	0.0025288	1.96174118	0.01181843
0.0407944	0.03453235	0.30983386	0.45001588	0.00065509	0.01020169	0.00082467	0.04216312	0.01156893
0.25886714	0.19749703	0.30161627	0.10501901	0	0.01890513	0.00103637	0.50900195	0.17351182
0.06952085	0.01937986	0.02069271	0.00235715	0.0012997	0.04998962	0.0060758	1.20225421	0.01271985
0.1195254	0.02760185	0.07103915	0.00426059	0.00310555	0.20847197	0.00517396	0.52153359	0.05662734
0.54790283	0.27757846	0.19018616	0.00092442	0.00069593	0.00759539	0.0009051	0.53522095	0.14056513
0.05402984	0.01263358	0.10825018	0.03534888	0.01105027	0.52472819	0.01986939	0.11648896	0.01929758
0.08525666	0.08044331	0.14273544	0.03742031	0.00071819	0.0214793	0.00088458	0.62592223	0.01257838
0.08879102	0.08375594	0.14858208	0.03897865	0.00075076	0.02236424	0.0009248	0.65174644	0.01310295
0.08709733	0.08216988	0.14578156	0.03823021	0.00073448	0.02194104	0.00090469	0.63934376	0.01285074
0.11304395	0.03144808	0.06528687	0.0036943	0.00211362	0.12798473	0.00995004	0.52166239	0.06393095
0.07574646	0.02130675	0.02069958	0.0008446	0.00072231	0.04248014	0.00248912	2.47216237	0.01070525
0.63144141	0.30758472	0.21918196	0.00106821	0.00080796	0.00875588	0.00104589	0.61680132	0.16203062
0.0750749	0.01956227	0.16607409	0.05391562	0.01693816	0.1043107	0.06150232	0.08014415	0.01580342
0.02759199	0.03056428	0.24231544	0.32415367	0.00051239	0.00834619	0.00068475	0.04855178	0.00957021
0.10062345	0.0247686	0.35897406	0.01915247	0.00075955	0.0637771	0.00281384	0.42853391	0.02924914
0.27063136	0.21567387	0.31540243	0.10973201	0	0.01975609	0.00107661	0.53220867	0.18147162
0.10950419	0.03370094	0.03550913	0.00332071	0.00067163	0.07772832	0.00648937	1.34490276	0.01352178
0.16063927	0.05471411	0.05999042	0.00434453	0.00078727	0.13809566	0.00420791	0.60673625	0.08369191
0.42826501	0.19510537	0.0579244	0.00093108	0	0.00765256	0.00087421	0.87675782	0.05115969
0.14883189	0.07686292	0.03291593	0.00269514	0.00074445	0.05288691	0.00530304	1.74664101	0.0239632
0.31075383	0.17568727	0.05758253	0.00212125	0	0.00539343	0.00072298	0.64957676	0.03718528
0.27697358	0.14527204	0.17376031	0.00102294	0.00091455	0.00706061	0.0010127	0.74737287	0.02113398
0.4340402	0.20073523	0.0750259	0.00091031	0	0.00671037	0.0008641	0.62827309	0.04470283
0.04530375	0.00921542	0.08117817	0.00093676	0.00160143	0.05364183	0.00185704	0.66856978	0.02196863
0.04816007	0.00979701	0.08627659	0.00099785	0.00170538	0.05701678	0.0019775	0.710657	0.02335735
0.11787196	0.01994444	0.10019357	0.00472884	0.00267391	0.20290546	0.01042063	0.40638204	0.06401896
0.08506873	0.02597346	0.02989645	0.000927	0.00078461	0.05114449	0.00274066	1.90648311	0.00986382
0.13878651	0.03340464	0.29147108	0.00755622	0.00096407	0.10019537	0.00488707	0.70613628	0.04399507
0.12348606	0.05204257	0.16707054	0.02162493	0.00071443	0.0963047	0.00352537	0.44622308	0.03963346
0.06660811	0.01153146	0.02441236	0.00098282	0.00158341	0.04345153	0.00192954	1.02699895	0.03635879
0.06355135	0.00994384	0.06937443	0.00186281	0.00185221	0.11471098	0.00357164	0.28640035	0.03338611
0.10262949	0.09683506	0.1718358	0.04503542	0.00086512	0.02585805	0.00106552	0.75345482	0.01515052
0.35981492	0.19740042	0.05867498	0.00241506	0	0.00608763	0.00077375	0.70361664	0.04614218
0.08400516	0.02318584	0.02405724	0.00093463	0.00081209	0.05386396	0.00275914	2.25527867	0.01210675

0.24205109	0.14517629	0.1705683	0.00090564	0.00076594	0.01296634	0.00089327	0.88652432	0.02026338
0.6147256	0.28070684	0.19018374	0.00100709	0.00074835	0.00725384	0.00094543	0.62397811	0.12875439
0.08289655	0.07821491	0.13877914	0.03638515	0.00070186	0.02088263	0.00086448	0.60857681	0.01223542
0.12317854	0.01823861	0.11003664	0.00454151	0.00335641	0.06070031	0.01109405	0.5641752	0.06695223
0.10352948	0.01490923	0.10269356	0.00404353	0.00238639	0.13792841	0.0118849	0.45544865	0.06320365
0.14495059	0.02545055	0.15555557	0.05964263	0.01159021	0.35496669	0.02398142	0.16967009	0.05678016
0.43310696	0.13034807	0.15349281	0.00047981	0	0.00216938	0	0.14355104	0.10885114
0.04369826	0.0103573	0.05873466	0.00140262	0.00028855	0.03060809	0.00140696	0.19123108	0.01372294
0.10010361	0.02463814	0.35706719	0.01905016	0.00075953	0.06344894	0.00280379	0.51443761	0.02909793
0.2751396	0.15758914	0.05835974	0.00155367	0	0.00593793	0.00079255	0.74202301	0.02978975
0.57772602	0.26381305	0.17873773	0.00094544	0.00070852	0.00681303	0.00089514	0.58644218	0.12099259
0.13355794	0.02259567	0.11351899	0.00535594	0.00303088	0.22989209	0.01180871	0.46037145	0.07252123
0.05057302	0.01028837	0.09059597	0.00104876	0.0017833	0.05987594	0.00206784	0.74626523	0.02452471
0.09792111	0.02356502	0.20557443	0.00532843	0.00068281	0.07070169	0.00344912	0.49814971	0.03103588
0.15997213	0.22113783	0.30095203	0.02441637	0	0.02372967	0.00107627	0.69331157	0.13845093
0.09567791	0.02119382	0.10302015	0.0654802	0.01343369	0.45038841	0.0197289	0.28732048	0.05029233
0.0716101	0.01933831	0.08985973	0.04498356	0.01981245	0.11205964	0.05774139	0.07197998	0.01205149
1.04104024	0.2961559	0.06993362	0.01959005	0	0.00500718	0	0.39486983	0.15107302
0.24331551	0.11761864	0.55493203	0.01035353	0.000879	0.04275839	0.00112683	0.38589291	0.07731844
0.23826412	0.12034956	0.05163512	0.00090938	0	0.00525592	0.00090196	0.75495093	0.02171862
0.0885157	0.02178795	0.3157363	0.01684935	0.0006687	0.05610101	0.00248221	0.37695872	0.02573041
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0.09459229	0.02849993	0.1950261	0.00426717	0.00175164	0.11281042	0.00518248	0.66362803	0.03548609
0.07313238	0.01678006	0.09163603	0.00414132	0.00316129	0.16101846	0.00798583	0.8615618	0.03384273
0.46857028	0.1410146	0.16611505	0.00052065	0	0.00235335	0	0.15532081	0.11772877
0.20863775	0.07169447	0.82328713	0.03008352	0.0010317	0.08048313	0.0013693	0.43322245	0.0535238
0.10550396	0.03110237	0.18672853	0.00448462	0.00178774	0.12340041	0.00655254	0.71697752	0.04072629
0.19343215	0.04245543	0.68823188	0.05176989	0.00090406	0.05733825	0.00127008	0.28144283	0.08028787
0.20632364	0.11561877	0.38666523	0.00684322	0.00082646	0.04191052	0.00110775	0.42259695	0.08172945
0.07677771	0.02093643	0.08814301	0.03953083	0.00396908	0.12284687	0.04782132	0.10460641	0.03079032
0.30894572	0.17413866	0.05748196	0.00215313	0	0.00545614	0.00071303	0.63891908	0.0357328
0.09623985	0.03306696	0.19223475	0.08705205	0.00753896	3.29396058	0.01561946	0.04154984	0.01388268
0.08784318	0.02463073	0.02206484	0.00083556	0.00070526	0.0453323	0.00246975	1.98736539	0.01153579
0.08063213	0.02276022	0.0220249	0.00089538	0.00076659	0.04528215	0.00264964	2.62754859	0.0114292
0.06248094	0.01467294	0.15432269	0.05296366	0.0115699	0.4188231	0.027896	0.10026646	0.02559155
0.10535531	0.11555675	0.08999801	0.02330725	0.0006994	0.01554798	0.00084398	0.91852257	0.01538072
0.0825736	0.0259364	0.03697132	0.00194229	0.00082279	0.04476659	0.0038335	1.71110311	0.01019976
0.12177898	0.03412461	0.06863618	0.00404784	0.0022821	0.13657988	0.01088779	0.43482013	0.0673668
0.10210602	0.02457912	0.21433284	0.00555431	0.00071492	0.07372443	0.00359995	0.51941879	0.03235809
0.11175084	0.02734108	0.77963496	0.01752682	0.00090683	0.06429873	0.00324322	0.46458038	0.03039619
0.38262365	0.21711893	0.0623769	0.002579	0	0.00648231	0.00083406	0.7473161	0.04894623
0.75655955	0.27203819	0.07715536	0.00924688	0	0.00465475	0	0.39735776	0.30283619

0.13913684	0.03824659	0.11470822	0.00484575	0.00182689	0.14348038	0.01067389	0.47848954	0.07387477
0.09057736	0.06894406	0.12729666	0.00360229	0.00071743	0.03324493	0.00089489	0.84633827	0.01441087
0.04199303	0.01072968	0.05616167	0.01114126	0.02929635	0.07608867	0.07225896	0.08607243	0.01693902
0.43035089	0.23076352	0.15292054	0.00076108	0.00056085	0.00756004	0.00071423	0.61002892	0.12515949
0.06460611	0.01012244	0.06859162	0.00287767	0.00166247	0.08888267	0.00773457	0.25013341	0.03556052
0.06548217	0.01900687	0.06416699	0.00266834	0.00148396	0.08177463	0.00449825	0.40089567	0.0264257
0.05368595	0.01038064	0.06263641	0.00095833	0.00162676	0.03296929	0.00094383	0.83955156	0.02785808
0.10461265	0.02473386	0.26747927	0.00464368	0.00072529	0.07323434	0.00271416	0.43547618	0.03089792
0.53041817	0.25845827	0.1841518	0.00090383	0.00068022	0.00734658	0.00088498	0.51800086	0.15302113
0.16650922	0.0279071	0.13304403	0.05160386	0.01463302	0.1014662	0.02842392	0.12298654	0.04812118
0.36897164	0.10518583	0.06057087	0.00249707	0	0.0063405	0.00081325	0.81226014	0.04614695
0.08913915	0.03061898	0.17808812	0.08062665	0.00695846	3.05011178	0.01432366	0.03847601	0.01285503
0.29657082	0.19905603	0.29053828	0.10068069	0	0.0181259	0.00098603	0.49003134	0.1672699
0.29174626	0.1371952	0.13434519	0.00082698	0.00068477	0.01233653	0.00081355	1.28388097	0.04976098
0.18390806	0.15415417	0.14819972	0.00308423	0.00079295	0.02793282	0.00100587	0.69328675	0.05756791
0.10672196	0.07785547	0.137936	0.00746907	0.00072276	0.02425964	0.00093587	0.49283273	0.02849702
0.09678802	0.02454992	0.08983593	0.00408806	0.0012032	0.10352303	0.00398676	0.45552227	0.04164417
0.08400228	0.02076262	0.10168443	0.05085407	0.01815712	0.0874239	0.04846506	0.08348057	0.01703485
0.04401494	0.01044749	0.05939619	0.00141274	0.00028876	0.03082407	0.00140694	0.19289615	0.01384355
0.10022509	0.02498616	0.30077769	0.02337003	0.00073108	0.06095279	0.00274452	0.44882454	0.0311943
0.06634788	0.01601073	0.09471605	0.00391583	0.00308071	0.12691118	0.00634307	0.72406769	0.03005048
0.05779887	0.01613707	0.05359022	0.00293864	0.00226413	0.14581102	0.0037816	0.63430329	0.03152931
0.15112995	0.14951329	0.14383811	0.00299155	0.00077747	0.02708281	0.00098574	0.67239388	0.05590075
0.11453234	0.04060991	0.15743942	0.01520654	0.00069135	0.09778783	0.00388893	0.44660866	0.04355785
0.15066973	0.2002447	0.28357032	0.02296586	0	0.02232348	0.00101591	0.65308407	0.13054244
0.19347622	0.06838763	0.8622101	0.02410047	0.00094931	0.05146949	0.00127971	0.39638395	0.07348516
0.08600519	0.02369421	0.02268317	0.00241906	0.00133034	0.04780687	0.00549366	1.54131813	0.01312401
0.24979553	0.05559356	0.2756671	0.04204053	0.0018775	0.10396137	0.00380762	0.33378021	0.07434534
0.13263023	0.02243498	0.11273608	0.00531481	0.00300712	0.2283029	0.01172824	0.45722821	0.07202641
0.17789489	0.06165861	0.56261961	0.01249336	0.00074765	0.04108066	0.00100715	0.40665746	0.08459713
0.01388516	0.02632308	0.15936908	0.27477895	0	0.00123481	0.00064245	0.01744534	0.00257637
0.06500142	0.01654707	0.05030983	0.00268016	0.00200887	0.11400125	0.00261675	0.52591422	0.04896054
0.19174207	0.06176416	0.933086	0.02869602	0.00093426	0.07356891	0.00123838	0.38978393	0.04642161
0.08496448	0.02663847	0.03799083	0.00200345	0.00084855	0.04612585	0.00394394	1.76045407	0.0104716
0.26953819	0.18037527	0.26365246	0.09162932	0	0.01649925	0.00090556	0.44484154	0.1517164
0.06010285	0.01445433	0.0708368	0.00195747	0.00078404	0.04660204	0.00241246	0.30460138	0.01986058
0.05901549	0.01601397	0.0748294	0.03696147	0.02268891	0.10245504	0.07421749	0.06052815	0.01024348
0.11404123	0.28136995	0.24206852	0.02855051	0.00086305	0.0294193	0.00114785	0.78813786	0.09083112
0.11578761	0.00862411	0.03311322	0.00195997	0.0015415	0.06799235	0.00192044	1.25965332	0.09840926
0.193399	0.0629431	0.95602903	0.02847981	0.00094084	0.07304453	0.00123819	0.51108418	0.04746156
0.34447134	0.19337371	0.06275752	0.00224954	0	0.0036	0.00076284	0.57315244	0.03941426
0.09766085	0.02403606	0.34810472	0.01858989	0.00074288	0.06190414	0.00273345	0.41577444	0.02838228
0.05325682	0.02365419	0.13653305	0.05118953	0.00869159	0.26402907	0.02116126	0.23196171	0.03145564
0.17647135	0.03288288	0.15231595	0.06167733	0.0106882	0.21622281	0.02710925	0.19047272	0.08535894

0.18641133	0.06465845	0.81813559	0.0265851	0.00089482	0.06769609	0.00119836	0.37566974	0.04784444
0.0982974	0.03043656	0.13705083	0.08962372	0.01676879	1.83751403	0.02727356	0.27912415	0.03159648
0.08800592	0.02851874	0.04144294	0.00197539	0.00083087	0.04726085	0.00389479	1.62984373	0.01047618
0.08596327	0.02953568	0.17160638	0.07775998	0.00677893	2.94367197	0.01425348	0.03711614	0.01240187
0.24554392	0.12409083	0.05363533	0.00093993	0	0.00548014	0.00093208	0.76866839	0.02169044
0.76056612	0.2587924	0.04414757	0.0008389	0	0.00621573	0	0.52611591	0.38988969
0.06570797	0.01779142	0.08301083	0.04120574	0.02257379	0.10980256	0.07134295	0.08279001	0.01127337
0.15555958	0.03732754	0.20950074	0.02560979	0.0017772	0.08115799	0.00492763	0.43492536	0.09543981
1.15104906	0.20144819	0.0940311	0.00447507	0	0.00363671	0	0.26312965	0.31954087
0.08473103	0.02094312	0.10275371	0.05128171	0.01878136	0.08873007	0.05058548	0.08433863	0.017206
0.52939009	0.25562101	0.06115598	0.00174719	0	0.00656694	0	0.73136793	0.05493326
0.21855032	0.06757757	0.23175318	0.1069113	0.00082371	0.02829522	0.0011179	0.53871515	0.08443057
0.196832	0.14313599	0.2395406	0.0989736	0	0.03101084	0.00106672	0.4710166	0.05139771
0.18045808	0.11508373	0.1177638	0.00108865	0.00093244	0.02388399	0.0010739	1.11910956	0.02652018
0.04453218	0.04701099	0.00332584	0.0051284	0	0.00017785	0	0.0023734	0.00575803
0.07280591	0.02479602	0.17529144	0.06180567	0.00865765	0.31086285	0.01028907	0.2195756	0.02285122
0.36756954	0.19970767	0.12069286	0.00089769	0.00073248	0.00925022	0.00086361	1.32476339	0.07094375
0.17736393	0.06336784	0.50249973	0.01018746	0.00073239	0.04206411	0.00098702	0.40012321	0.083637
0.01954576	0.03171983	0.14934196	0.35284984	0	0.01600241	0.00083433	0.05286491	0.01090413
0.11860813	0.01994302	0.09198519	0.0053296	0.00390032	0.27676199	0.01429159	0.43380695	0.05582429
0.15287944	0.04499691	0.5027237	0.08321319	0.00074264	0.03103868	0.00103814	0.19433624	0.04450927
0.50828178	0.13365913	0.06170715	0.00190968	0	0.00721118	0.00094417	0.87670497	0.06863392
0.12706374	0.03576865	0.2058411	0.02584723	0.00170508	0.15447863	0.0083235	0.39131693	0.06566141
1.21047066	0.22924561	0.07361343	0.00507253	0	0.00537704	0.00061263	0.25687746	0.14055345
0.21694531	0.06402464	0.74310536	0.03697094	0.00093298	0.06548139	0.00256789	0.57689364	0.05332685
0.20081489	0.06086325	0.47355895	0.09175801	0.00073318	0.0474093	0.00099728	0.24972871	0.03939721
0.23108893	0.0398367	0.31322391	0.01625454	0.00198078	0.11950195	0.00395684	0.33451037	0.04226618
0.09261232	0.03255486	0.36006933	0.12576925	0.00165075	0.05584115	0.00430816	0.08593959	0.01435585
0.16508128	0.01954611	0.07486659	0.0115233	0.02259245	0.07715326	0.07849948	0.14189256	0.06531281
0.14102348	0.07096453	0.03053569	0.00223784	0.0006124	0.04441434	0.00438995	1.28491988	0.02132112
0.21835083	0.17476837	0.22986592	0.08961819	0	0.02541919	0.0010469	0.55554654	0.0810877
0.1838078	0.05619936	0.64853444	0.10798928	0.00094309	0.05014656	0.00263996	0.29060504	0.05393696
0.10871017	0.05863777	0.10821568	0.00211147	0.00087783	0.03897374	0.00205858	1.24333321	0.01208379
0.23844984	0.11449321	0.04894255	0.00085897	0	0.00498913	0.00085188	0.70836047	0.02018401
0.07932894	0.01975498	0.09740505	0.05307883	0.01911282	0.11236813	0.0768845	0.06560905	0.01212914
0.047539	0.01078335	0.10534352	0.00185719	0.00152873	0.05617074	0.00363546	0.55428395	0.0222272
0.18104597	0.088782	0.10569141	0.00062793	0.00056153	0.00428558	0.00062166	0.45653671	0.01299768
0.17627857	0.03297155	0.14512373	0.06301011	0.01071956	0.20392009	0.02697795	0.15026278	0.08503509
0.05464199	0.03232873	0.19946279	0.09387373	0.00669998	0.53954244	0.02084175	0.20529468	0.02898438
0.05701842	0.01842095	0.04624726	0.00284026	0.00216025	0.13955756	0.00461789	0.60416288	0.03097078
0.15084556	0.02574254	0.09619519	0.040015	0.00631691	0.10888616	0.07196235	0.12747419	0.06330192
0.39302254	0.16141171	0.11108912	0.00082897	0.00067012	0.01394848	0.00081396	1.34750477	0.05174897
0.48283853	0.22869805	0.19951524	0.00097329	0.00075364	0.00892663	0.00092471	0.6213314	0.04943896
0.08493688	0.03331868	0.59445872	0.01617461	0.00100121	0.05766415	0.00128897	0.55184248	0.06019522

0.08250568	0.17564368	0.24255548	0.00092419	0.00070557	0.03055681	0.00090505	0.96808722	0.03010946
0.19117909	0.09326333	0.41393485	0.01426275	0.00078614	0.04213545	0.00106776	0.45528507	0.06928586
0.11707647	0.03080057	0.20437365	0.00319052	0.00062298	0.06150646	0.00233255	0.45820898	0.03089633
0.04206695	0.01073991	0.05608972	0.01116309	0.02890148	0.07557606	0.07078197	0.08610477	0.01695989
0.21608985	0.18477559	0.24465677	0.0030698	0.0006104	0.01236067	0.00076424	0.7198741	0.10365546
0.08607871	0.00802721	0.03942847	0.00222627	0.01367215	0.03847994	0.03256744	0.17901592	0.09087147
0.11337559	0.03061137	0.17713645	0.02117735	0.00162005	0.17941114	0.00680231	0.38773983	0.06432092
0.10806985	0.04239135	0.15001493	0.04244101	0.00815571	1.05585583	0.04760529	0.1365026	0.02650311
2.23618678	0.21958276	0.06036225	0.01371802	0	0.00416574	0.00070214	0.35967574	0.12050781
0.18357887	0.06362877	0.58059462	0.01289668	0.00077009	0.04238944	0.00103736	0.41961612	0.08730904
0.11218686	0.02745126	0.78340912	0.01758741	0.00090709	0.064535	0.00325324	0.46671943	0.03052672
0.24189818	0.25037917	0.30942451	0.00093626	0.00071634	0.01274891	0.00091549	0.67415953	0.1654943
0.0884562	0.02317643	0.13768496	0.07188595	0.01398069	0.27761364	0.01753912	0.06904117	0.02020247
0.1897649	0.06978512	0.65672689	0.02460195	0.00091683	0.06897089	0.00122859	0.39441619	0.05063784
0.07970618	0.01987479	0.09851169	0.05328259	0.0206119	0.11537003	0.08369066	0.08343586	0.01226953
0.51533932	0.16425662	0.17646426	0.00052372	0.00038475	0.00276294	0.0004827	0.18173896	0.09892062
0.07198082	0.01920209	0.18818011	0.00787797	0.00245783	0.16051176	0.00668885	0.31845905	0.01990131
0.28350213	0.17338518	0.25249856	0.11201307	0	0.02020936	0.00096686	0.44071485	0.14933875
0.11237273	0.00836309	0.03213037	0.00189841	0.00149297	0.06596494	0.00186012	1.22234	0.09549316
0.15213112	0.03658299	0.23738074	0.00650389	0.00202339	0.10779914	0.01638804	1.17833487	0.10296954
0.12159236	0.04047468	0.12483814	0.07103087	0.0049875	0.23146019	0.01031418	0.39257683	0.05766353
0.28859673	0.20390522	0.2332465	0.0903455	0	0.02685713	0.00106723	0.59584226	0.08675588
0.20298569	0.16234002	0.21342786	0.08338029	0	0.02364646	0.00097645	0.51626227	0.0753664
0.10638655	0.0157837	0.09807684	0.00384528	0.00287987	0.05150747	0.00938018	0.49896141	0.05930202
0.02747905	0.02357993	0.32054969	0.24476459	0.00051863	0.01963737	0.00069486	0.05655276	0.00836708
0.34562203	0.20755374	0.12077178	0.00179945	0.00074289	0.02035659	0.00089417	1.55122252	0.06356273
0.48505675	0.21175034	0.14857513	0.00072964	0.00054127	0.00593131	0.0007141	0.47149822	0.07254958
0.01261661	0.01148212	0.1313735	0.0736894	0	0.00563017	0	0.00344869	0.00460114
0.03278728	0.0391123	0.1965407	0.16159169	0	0.00205382	0.00071307	0.02792786	0.00783604
0.14550885	0.01865859	0.08551305	0.04220608	0.01090868	0.07490623	0.05984983	0.10698937	0.05718973
0.16511077	0.03374589	0.27245752	0.01048149	0.00071803	0.07592106	0.00373217	0.46595616	0.04009584
0.53960952	0.24505164	0.06032295	0.00090022	0	0.00748102	0.00088422	0.77590593	0.06502662
0.29301516	0.14339252	0.0985945	0.00053325	0.00042228	0.004346	0.00052277	0.32817025	0.03310143
0.26732555	0.05947311	0.29590541	0.04492358	0.00200573	0.11119729	0.00406943	0.35759328	0.07961599
0.1127428	0.06847528	0.16115596	0.00327888	0.00087548	0.04617396	0.00214097	1.10223227	0.01720659
0.12055211	0.08954991	0.08463318	0.00076549	0.00063575	0.01780644	0.00075324	0.90463891	0.01418138
0.01416531	0.0061876	0.10491129	0.28760589	0	0.02996435	0.00069271	0.04485384	0.00896837
0.06705121	0.01810719	0.08383618	0.00316687	0.00240768	0.13891765	0.00301768	0.75236742	0.02914373
0.12581396	0.03533613	0.16641448	0.0887154	0.0083339	1.83248206	0.01487298	0.2128271	0.01711968
0.06692855	0.00863274	0.02602193	0.00087496	0.00149934	0.05634918	0.00257934	1.0564836	0.05327107
0.04313455	0.04620571	0.27543568	0.20191789	0.00057067	0.0158383	0.00076536	0.09104245	0.00842808
0.06291388	0.01621207	0.04804975	0.00262502	0.00199677	0.12806398	0.0034209	0.5496276	0.04441077
0.13456341	0.04371957	0.04328453	0.00364051	0.0007249	0.08763028	0.00618911	1.34477656	0.01569274
0.07956704	0.02075229	0.11896083	0.06184267	0.0141891	0.22171356	0.02682069	0.0665052	0.01832582

0.07595534	0.01980956	0.11346764	0.05905029	0.01339974	0.21107026	0.0249632	0.05427385	0.01748022
0.10623928	0.01628475	0.0661517	0.00404939	0.00294864	0.20326287	0.01183465	0.38132391	0.06014017
1.13340817	0.32242871	0.07614017	0.02132549	0	0.0054527	0	0.42990001	0.16446726
0.17538568	0.05455162	0.59188696	0.10767452	0.00086856	0.04642097	0.0024486	0.21012973	0.05046619
0.25892686	0.05369947	0.83736243	0.04343769	0.00112787	0.06027984	0.00155229	0.43056307	0.11474725
0.04343011	0.00477631	0.01271737	0.00026587	0	0.00052159	0	0.01791553	0.01635768
0.07848267	0.27236426	0.19216806	0.0726038	0.00069919	0.02221986	0.00093654	0.65073335	0.02290558
0.04513245	0.03521749	0.18738562	0.05211801	0.00803646	0.74140328	0.02946105	0.21024669	0.02578324
0.16964612	0.03014555	0.11706578	0.04541775	0.00529088	0.12612792	0.06545464	0.11974063	0.07497314
0.11185469	0.02770138	0.09650804	0.02305163	0.02911022	0.15783455	0.04812361	0.11783113	0.01690296
0.07656364	0.03020051	0.23419848	0.00526917	0.0005331	0.03371645	0.0007253	0.48112781	0.04354783
0.2471815	0.12599213	0.05371046	0.00094995	0	0.00548093	0.00094208	0.77865768	0.02224177
0.16585215	0.10088992	0.12107347	0.00077443	0.00065359	0.0173089	0.00076301	0.84050538	0.01930693
0.11071493	0.01963648	0.07928748	0.0044089	0.00313164	0.23488128	0.01278632	0.35210204	0.05832389
0.23718562	0.05975596	0.20601983	0.08893646	0	0.02463986	0.00095673	0.50142519	0.07996397
0.25461698	0.13783009	0.15892427	0.00094158	0.00084458	0.00628939	0.00093242	0.70768616	0.02102086
0.20400413	0.18513254	0.34617188	0.5075864	0.00094876	0.04601381	0.00125937	0.34059619	0.06430406
0.12687035	0.04131101	0.26264568	0.10116745	0.00828331	1.87497261	0.01490489	0.19824506	0.02299208
0.09812017	0.03414322	0.22456815	0.0817637	0.01001836	0.38211003	0.00353609	0.2771169	0.02799224
0.15747718	0.02639089	0.12570404	0.04882045	0.01358638	0.09569166	0.02596997	0.09287231	0.04548652
0.15832092	0.16133944	0.23388889	0.43634465	0.00082995	0.04255596	0.00231894	0.3293435	0.06217251
0.22864024	0.04085798	0.24921086	0.01618297	0.00198494	0.12860091	0.00792275	0.50663876	0.04277296
0.02050453	0.01929991	0.18518044	0.11287886	0.00134948	0.0216962	0.00473019	0.03476687	0.00969885
0.08016064	0.02178362	0.15453943	0.04131219	0.00253689	0.09836712	0.03646537	0.10731595	0.03168091
0.3774623	0.50062692	0.20448822	0.00819668	0.00067092	0.01945328	0.00087564	0.30135034	0.1203275
0.09587487	0.02841837	0.1155654	0.0803478	0.01860668	0.38498238	0.04141707	0.14592	0.02692146
0.2010472	0.12083883	0.14214079	0.00256613	0.00069311	0.05311285	0.00251168	1.23777386	0.03086877
0.46181721	0.22971799	0.14971733	0.00083118	0.00062155	0.00681	0.00081442	0.50465131	0.04849703
0.10040506	0.02481635	0.13020276	0.01596817	0.02047819	0.3081225	0.03915563	0.06671311	0.0231227
0.0456294	0.04121683	0.46196484	0.21736042	0.00068252	0.02120653	0.00089588	0.09412745	0.0152866
0.05447263	0.03635051	0.37484776	0.19624293	0.00055058	0.02657923	0.00074537	0.08445041	0.01568753
0.01751612	0.01492082	0.12031519	0.46836287	0	0.01364941	0.00074348	0.04273632	0.0104917
0.6677288	0.27795686	0.16926823	0.01195631	0.00056771	0.0055619	0.00071403	0.42584546	0.09406468
0.12766859	0.05008502	0.17162165	0.05031566	0.00804102	1.17000891	0.04196055	0.15858119	0.03107279
0.30704681	0.06615402	1.09400625	0.04163611	0.00113397	0.05330471	0.00153094	0.42693737	0.09221378
0.29968709	0.17967364	0.07271683	0.00283961	0.00082543	0.01002333	0.00095353	0.85509237	0.02834459
0.15945913	0.33922569	0.09668517	0.13787151	0.00054531	0.01294307	0.00072495	0.20436096	0.03743443
0.18842561	0.03400256	0.14204893	0.06202396	0.00969644	0.18712634	0.02829303	0.20447757	0.09131441
0.06596852	0.03627451	0.22580966	0.08980134	0.00404007	0.8603675	0.01449485	0.24720147	0.03384927
0.10738882	0.01476018	0.08590985	0.0090476	0.01663106	0.05899824	0.03182835	0.11043021	0.04471644
0.2711012	0.07225594	0.7344591	0.0433954	0.00092492	0.0553318	0.00124893	0.42272909	0.06003243
0.0896104	0.04788791	0.15068548	0.0026705	0.00072127	0.04193809	0.00174843	0.82281278	0.01310504
0.02666299	0.00592554	0.03858301	0.00149135	0.0007581	0.02076516	0.0033599	0.25559429	0.00991761
0.01848225	0.03250699	0.21898716	0.3453773	0.00062387	0.00138741	0.00073301	0.02341632	0.00363481

0.06296906	0.01474719	0.0778139	0.00207181	0.00081896	0.05454155	0.00254356	0.29694008	0.02096578
0.3090848	0.68871422	0.11527987	0.02844311	0	0.00849521	0	0.14781266	0.02131096
0.08897747	0.02225609	0.12209561	0.06485328	0.01404998	0.22246637	0.02792123	0.06528643	0.02078243
0.10854759	0.07949546	0.13906238	0.00194669	0.00077782	0.03096602	0.00095488	1.27049999	0.01136654
0.03745583	0.0524458	0.30105118	0.41430162	0.00060202	0.01218908	0.00080561	0.04467749	0.00812393
0.21148542	0.02492166	0.09354652	0.01375046	0.02590441	0.08922159	0.08776868	0.18293573	0.08664515
0.09316838	0.03449849	0.33285288	0.24995857	0.00172874	0.04734859	0.00376527	0.08315403	0.0158466
0.10179743	0.02017454	0.07903933	0.01383626	0.02864425	0.09925531	0.06730339	0.10068769	0.00957239
0.25109589	0.04635958	0.55886874	0.03741838	0.00080634	0.04861404	0.0011186	0.28549705	0.08542039
0.24784614	0.07489436	0.49489547	0.39874685	0.0008814	0.05003609	0.00123988	0.27157886	0.05155143
0.07038821	0.04187263	0.21307201	0.07614681	0.00708854	0.48658394	0.01330229	0.19273705	0.03516383
0.05657111	0.03849747	0.32851984	0.40583743	0.0005894	0.02569541	0.00080597	0.05656329	0.01374897
0.23068434	0.1227472	0.16486191	0.00078605	0.00066008	0.00452293	0.0007834	0.52809575	0.01948054
0.13505732	0.04236953	0.2336841	0.10820882	0.00773109	1.77778948	0.01571132	0.05787825	0.01897325
0.06995153	0.03755826	0.1671978	0.05494006	0.01309187	0.97870786	0.05461629	0.17136958	0.02585886
0.11538533	0.04523949	0.15688854	0.0454516	0.00701222	1.04301199	0.03503292	0.14357896	0.02801613
0.0618531	0.03219488	0.16504619	0.041621	0.00840815	0.82219302	0.03011054	0.16858713	0.02371013
0.17436475	0.0342715	0.34738105	0.01578626	0.002471	0.11969348	0.00655507	0.31088508	0.02879879
0.09830455	0.02335414	0.23042744	0.04153168	0.00168265	0.11733976	0.01234289	0.09134668	0.0143197
0.06797025	0.03490515	0.17179267	0.04616602	0.00658422	0.9370653	0.03907331	0.18053578	0.02697622
0.11561973	0.01509279	0.14978046	0.02116483	0.01079537	0.06922212	0.38120201	0.16702286	0.07077901
0.17193737	0.04145373	0.21948297	0.01396189	0	0.02869205	0.00090672	0.44647791	0.04323207
0.0188763	0.02005599	0.22406567	0.12387309	0.00071712	0.02024968	0.00334283	0.03524429	0.01090968
0.19736385	0.07033963	0.67816179	0.01561516	0.00081024	0.04094774	0.00109793	0.44389583	0.0883489
0.09948091	0.05654764	0.14593707	0.00284051	0.0007473	0.04529851	0.00185984	0.93975044	0.01490104
0.24249702	0.12217385	0.19121733	0.00079704	0.00065432	0.00901238	0.00078356	0.57063403	0.0228628
0.08095038	0.02017639	0.08524331	0.05966748	0.01455398	0.17602322	0.03064951	0.10463696	0.02202052
0.15611392	0.05212367	0.49641796	0.09007113	0.00075371	0.03798977	0.00104811	0.14440851	0.03684321
0.11414786	0.040208	0.55325089	0.04171211	0.00061742	0.05775739	0.00244571	0.23976747	0.0249159
0.24370406	0.05410904	0.27529114	0.04048697	0.00183297	0.10095831	0.00369619	0.32853629	0.0730392
0.1942833	0.06085281	0.59038173	0.11348304	0.00086246	0.02875206	0.00238848	0.21310451	0.05896727
0.08548133	0.02494663	0.14438925	0.00179483	0.00141941	0.08999717	0.00265413	0.57426257	0.0317409
0.18628935	0.03506216	0.53598561	0.01566314	0.00176381	0.12156196	0.00700727	0.35143357	0.03242328
0.15384038	0.051604	0.64674093	0.01878826	0.00077029	0.06169846	0.00104764	0.42008291	0.0356922
0.02832563	0.0187098	0.19711288	0.11256895	0	0.00643062	0.00111326	0.00997055	0.00882298
0.17024401	0.19031402	0.26086106	0.46231336	0.00091714	0.04549523	0.00124996	0.25728933	0.07061363
0.2050867	0.02686858	0.09692296	0.01632116	0.02092208	0.09442449	0.08667998	0.1780451	0.08680808
0.55882769	0.25529636	0.24326296	0.00094215	0.00073196	0.01386655	0.00089448	0.7339745	0.05580137
0.23498179	0.13269222	0.18155684	0.00253215	0.00070128	0.0233247	0.00166729	0.82363236	0.02789297
0.13412073	0.0165681	0.0967722	0.02972959	0.01508974	0.09277656	0.09782261	0.15970806	0.05831746
0.18122422	0.06400054	0.06043867	0.00132961	0.00053248	0.05239276	0.00258223	1.17517255	0.02994591
0.10261393	0.05535777	0.10216681	0.00198905	0.00082674	0.03678251	0.00194812	1.17363032	0.01140909
0.97010537	0.27597685	0.06517025	0.01825273	0	0.00465852	0	0.36796521	0.14077844
0.16323292	0.02178667	0.08993756	0.03820959	0.01715974	0.08730502	0.07806514	0.13869403	0.05953511

0.13738738	0.02530265	0.13771401	0.06257528	0.01474266	0.18640855	0.03232021	0.04761493	0.03500438
0.14062671	0.14489354	0.21431611	0.00074777	0.00059892	0.01668293	0.00073371	0.83395734	0.02241867
0.06858143	0.03682542	0.16375439	0.05387333	0.01276103	0.95749022	0.05297727	0.16793618	0.02535438
0.26778035	0.06672862	0.49639251	0.44666723	0.00087993	0.05723655	0.00252016	0.21427915	0.05536487
0.01688882	0.03202888	0.19392386	0.33428777	0	0.00150708	0.00078299	0.02122022	0.00312987
0.1387692	0.04684801	0.47665528	0.38639728	0.00336588	0.00462004	0.00617501	0.03159156	0.02204858
0.12125683	0.01581627	0.15706411	0.02219662	0.01133126	0.07260165	0.39991529	0.17516571	0.07422679
0.03444217	0.02953869	0.19505586	0.35934125	0.00041094	0.00851383	0.00057451	0.03261171	0.00972662
0.16983251	0.05417888	0.58327427	0.10689879	0.0008839	0.04603981	0.00243848	0.20092069	0.04810506
0.10366876	0.02722327	0.21930249	0.01667149	0.00231805	0.20347143	0.00645668	0.33069259	0.03969647
0.10402292	0.03527421	0.42148558	0.05770907	0.00250305	0.06378396	0.00502606	0.09289787	0.01493793
0.20765119	0.10828711	0.12388613	0.00078254	0.00067749	0.00614496	0.00077262	0.59086151	0.01633222
0.23482849	0.32020112	0.09954428	0.05811692	0	0.01059704	0	0.3224831	0.02350484
0.09470032	0.0329595	0.14593893	0.07890544	0.00976339	0.36954983	0.00390785	0.26743171	0.02702528
0.02233162	0.0038225	0.00409069	0.00013281	0	0.00012575	0	0.00691381	0.00412082
0.0638722	0.0106714	0.0810744	0.0008771	0.00691447	0.0448886	0.0212003	0.17541781	0.07358881
0.01624157	0.03228563	0.18955442	0.31497588	0	0.00228052	0.00079323	0.02221666	0.00395681
0.01774029	0.03060773	0.18697261	0.34202784	0	0.00133149	0.0007034	0.0211269	0.00349815
0.25452294	0.06651616	0.51811564	0.16275794	0.00085395	0.05636807	0.00242887	0.25443529	0.04829257
0.01159138	0.0095307	0.07533041	0.13667561	0	0.00752451	0.00079466	0.0055968	0.003999
0.12394525	0.03332455	0.1606439	0.08224735	0.00678428	1.73235414	0.01304163	0.19646667	0.01663069
1.38138767	0.07155621	0.06826901	0.00091964	0	0.00296881	0	0.08394008	0.09207832
0.03748743	0.03193565	0.26670056	0.31471744	0.00051819	0.01221412	0.00068458	0.05333727	0.00888886
1.67264834	0.10542455	0.11451992	0.00179691	0	0.00340848	0	0.13134094	0.14832271
0.11828112	0.04676733	0.41737612	0.18092031	0.00139572	0.01492728	0.00270809	0.10296111	0.02362202
0.12022816	0.04234796	0.58286248	0.04392834	0.00065605	0.06082754	0.00257655	0.2525411	0.02623997
0.04258638	0.03412235	0.23350626	0.38896359	0.00045648	0.01006801	0.00063492	0.04200159	0.0120853
0.03629041	0.02912817	0.29082494	1.61575715	0.00070675	0.01561172	0.00090548	0.06323108	0.01099042
0.11354439	0.04434056	0.39551038	0.10509442	0.00169876	0.03544144	0.00358227	0.02330445	0.01486348
0.0158503	0.01192817	0.09438797	0.17408898	0	0.01134306	0.00108603	0.00763327	0.00545028
0.29290032	0.14447285	0.15364278	0.00783274	0.00071698	0.02553928	0.00171806	0.6436909	0.05869779
0.5628607	0.23080982	0.20166147	0.00098365	0.00076924	0.0090502	0.00094484	0.6269171	0.0497233
0.07926536	0.03995207	0.61688724	0.3838148	0.00068889	0.02901278	0.00093683	0.14203912	0.028252
0.08391759	0.02984112	0.20189922	0.07327073	0.00964096	0.41434009	0.00778987	0.24004103	0.02486156
1.08588518	0.30890753	0.07294734	0.02042715	0	0.00522025	0	0.41187814	0.15756678
0.28790867	0.36374666	0.13087463	0.12819269	0.00055201	0.01251221	0.00073504	0.19289678	0.01915827
0.11277452	0.04012488	0.16841994	0.03733806	0.01488746	1.0037377	0.03876894	0.24304739	0.03345399
0.11526082	0.03392953	0.50744342	0.02438604	0.00069343	0.07815429	0.00275782	0.27755504	0.02690878
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0.17117324	0.03080571	0.1520814	0.05776842	0.01587433	0.12434055	0.02376328	0.09404365	0.04798731
0.11865711	0.036641	0.16687729	0.09454643	0.00798508	1.1586397	0.01291833	0.29263125	0.03410992
0.01489438	0.03109189	0.1635766	0.318205	0	0.00145575	0.0007631	0.02137037	0.00304056
0.31060236	0.12035412	0.09078493	0.00040976	0.00031162	0.00257158	0.00038194	0.17350354	0.07732207
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0.05493656	0.03022959	0.31765673	0.62025342	0.0012394	0.03844613	0.00249812	0.10346623	0.01262197
0.10975091	0.03852214	0.17609724	0.03047565	0.01459753	1.14361233	0.03493174	0.25957961	0.03450166
0.13253214	0.03602039	0.28006451	0.41726228	0.00353872	0.0057292	0.00655763	0.07919773	0.02143021
0.18193373	0.31481482	0.16745089	0.0617963	0	0.01501121	0.00071371	0.20277349	0.00715174
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0.20612165	0.0943192	0.14270449	0.00462429	0.00073026	0.08297336	0.00715433	1.09416577	0.02988847
0.14503681	0.0960727	0.25066361	0.21399777	0.00069013	0.03314475	0.00093741	0.36896388	0.04144343
0.11784663	0.02989805	0.47861198	0.01086655	0.0009366	0.08956168	0.00352915	0.53828857	0.03686252
0.20688779	0.04701023	0.25823436	0.01397594	0.00076961	0.03743418	0.00104766	0.61554667	0.06752977
0.13627263	0.10374485	0.22797481	0.02299652	0.00057616	0.01570969	0.00072408	0.75346052	0.02694201
0.15393682	0.06076673	0.55520903	0.14541426	0.00220878	0.01646464	0.00371324	0.06476715	0.02031115
0.17948417	0.12880444	0.2102686	0.30483737	0.00074303	0.03172951	0.00100789	0.2794897	0.05506572
0.11228932	0.02684749	0.20197861	0.10318315	0.00291917	0.06223929	0.00740589	0.09355226	0.01746881
0.13506479	0.09359863	0.1127949	0.00073467	0.0006118	0.01302626	0.00072307	0.77222604	0.01537846
0.21368348	0.11914611	0.20420062	0.00082645	0.0006887	0.00932491	0.00081344	0.62366993	0.02167231
0.19067062	0.06797557	0.06527012	0.0014423	0.00058173	0.05800069	0.00279331	1.23247385	0.03043108
0.04499548	0.00566858	0.00764287	0.00071516	0.00176455	0.06870579	0.00459068	0.54533006	0.04121887
0.06178722	0.03180882	0.27565543	0.25423877	0.00185686	0.09690294	0.01049101	0.07791899	0.0141311
0.09329432	0.01297146	0.09113987	0.02785706	0.00801007	0.07617182	0.14187208	0.22028035	0.09621033
0.17114607	0.02028067	0.07704005	0.0119709	0.02018331	0.07798022	0.07038	0.14643672	0.06744385
0.07658486	0.02019997	0.10014499	0.05287362	0.00873518	0.3133817	0.02081914	0.16488353	0.02870732
0.02924404	0.04785085	0.14920894	0.79362352	0	0.03305685	0	0.05047848	0.00776816
0.20630085	0.06216731	0.56214147	0.12253091	0.0007717	0.03640974	0.00101758	0.16532572	0.04348804
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0.12308992	0.02198531	0.09503108	0.00468395	0.00335581	0.24820315	0.01249222	0.38815943	0.06494998
0.0100507	0.0210788	0.10520235	0.25155807	0	0.00198311	0.00066211	0.01984951	0.00272444
0.12291802	0.01524505	0.0748812	0.05232663	0.00843278	0.14047814	0.02330667	0.23777917	0.08057513
0.19174525	0.37084786	0.09041881	0.05655196	0	0.01075428	0.00059332	0.25826423	0.0141616
0.02044961	0.06936573	0.16215067	1.29626822	0.00049991	0.01126912	0.00070567	0.04998324	0.00641552
0.07143287	0.04015117	0.19353144	0.25053419	0.00115408	0.02022458	0.00447776	0.01590044	0.00793171
0.12441074	0.07994125	0.37205169	0.24561433	0.00075317	0.05060956	0.00205594	0.32206202	0.03940709
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0.13145261	0.01484823	0.07474888	0.00610005	0.02083561	0.08636165	0.0424581	0.14504456	0.06851874
0.48753668	0.74685913	0.11480057	0.00931699	0	0.00699908	0	0.12961441	0.06906304
0.2351949	0.07610981	0.44658562	0.32652633	0.00077476	0.04289997	0.00107836	0.20892969	0.04763321
0.08898024	0.01263717	0.03428988	0.0035018	0.01308264	0.02815614	0.02387846	0.19721944	0.03622415
0.12651042	0.02442449	0.17651999	0.00770144	0.00211809	0.1273671	0.004713	0.36007127	0.02573929
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0.18273664	0.02788727	0.13129795	0.04953222	0.01590257	0.14504019	0.06224034	0.09749323	0.05684221
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0.0408299	0.03532217	0.30264657	0.22357674	0.00055802	0.04279606	0.00075565	0.10314133	0.00771572
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0.03002339	0.0495656	0.24060946	0.32980027	0.00057609	0.04325712	0.00155099	0.0875921	0.00546428
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0.40204889	1.08038756	0.07965601	0.01844481	0	0.0072361	0	0.13818004	0.0637016
0.09830252	0.20280316	0.21196028	0.35347529	0.00074633	0.03365764	0.0010078	0.25745215	0.04583903
0.1354524	0.02547987	0.18299649	0.00616116	0.00259878	0.2310846	0.00723063	0.41683254	0.06907317
0.02620003	0.00860299	0.51489048	0.64759399	0.00074804	0.0308838	0.00172634	0.08717488	0.02933943
0.08978782	0.01464526	0.06752772	0.0211976	0.01369252	0.06423873	0.1060374	0.12471798	0.0779538
0.76953333	0.27041693	0.07010721	0.00687852	0	0.00384824	0	0.30302402	0.31845036
0.09418753	0.04333286	0.53227965	0.11785145	0.0016774	0.03889061	0.00336377	0.28963565	0.0161697
0.16560237	0.05395105	0.23311097	0.10433122	0.00588287	1.21397281	0.01092876	0.23285137	0.03283345
0.24456983	0.36853575	0.08854433	0.11270658	0	0.01007835	0.00062399	0.18468058	0.00942003
0.12400599	0.04223263	0.18654513	0.0250966	0.00361615	0.26188221	0.02454777	0.14079275	0.02253088
0.06902969	0.19967627	0.16179648	0.1162328	0.0005874	0.0257193	0.00080602	0.21327276	0.0221852
0.02537625	0.02939022	0.30477384	0.27200762	0.00087448	0.09375291	0.007932	0.05240375	0.01367895
0.01876915	0.03777075	0.26559216	0.3183168	0.0012402	0.03390189	0.00231269	0.06587503	0.01084892
0.07630979	0.13308519	0.16768202	1.19340957	0.00079551	0.03051106	0.00234065	0.1158539	0.02945098
0.06422847	0.06504089	0.31791998	0.24337825	0.00083502	0.10519003	0.00327218	0.10898665	0.02297868
0.33738963	1.12105568	0.11167295	0.00487906	0	0.00729534	0	0.11787265	0.04879011
0.08123348	0.07850925	0.39201738	1.24273698	0.00079996	0.02356044	0.00103652	0.12584793	0.02805304
0.0395577	0.03176105	0.25168492	0.19591924	0.00061428	0.03870735	0.0015602	0.05000475	0.01291012
0.01393684	0.0052021	0.10053682	0.02098358	0.03711649	0.06281501	2.9368864	0.08752352	0.01035041
0.21009433	0.36284292	0.07513466	0.11506412	0	0.00792548	0	0.12128565	0.01364634
0.1587594	0.05359796	0.54526728	0.44213535	0.00385375	0.00528967	0.0070586	0.03615368	0.02520996
0.15522205	0.04508068	0.37068172	0.04370259	0.00147105	0.09791433	0.00398926	0.20172176	0.04537244
0.01488833	0.0112411	0.07893674	0.16668858	0	0.01153096	0.00102641	0.00720784	0.00514338
0.0513816	0.04235983	0.46355239	0.3519676	0.00066966	0.01546441	0.00087568	0.08765203	0.01904506
0.14794871	0.01815512	0.06946831	0.0263434	0.01970415	0.06596129	0.17126066	0.13667402	0.07611962
0.10139374	0.14017242	0.13064789	0.23104104	0.00058627	0.01885895	0.00081634	0.18044958	0.02478946
0.07522922	0.04789833	0.46557756	0.18387157	0.00346452	0.0341832	0.00826757	0.03001179	0.00933052
0.01979024	0.0201584	0.21051593	0.12205213	0.00143428	0.02195627	0.00418668	0.0354344	0.01096265
0.12935661	0.06744817	0.13116963	0.12811273	0.000948	0.12450376	0.00740401	0.10619952	0.02462827
0.06215329	0.05640253	0.1436338	0.20211457	0	0.10792038	0.00105702	0.13139762	0.02363056
0.08728508	0.30134641	0.06220702	0.16804131	0	0.01743192	0	0.20583515	0.00981979

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0.24011583	0.38300361	0.1529107	0.06033116	0	0.00873223	0.00065392	0.1890681	0.01252465
0.19314614	0.02939467	0.09704952	0.01810119	0.01815688	0.10526175	0.04373575	0.11745149	0.08169747
0.4494586	0.29980107	0.22319914	0.00241146	0.00062148	0.00749182	0.00077421	0.34811309	0.06800435
0.1526051	0.04640749	0.23746875	0.11498275	0.00541169	1.01532696	0.01078991	0.18194741	0.02223521
0.02416904	0.02633623	0.06342036	0.13806768	0.00061201	0.04194414	0.0007747	0.04464818	0.00936436
0.16159756	0.05459851	0.39025763	0.03966056	0.00144379	0.07982096	0.00478231	0.16400573	0.04322504
0.32279467	0.56748179	0.0756829	0.119237	0	0.01521056	0.00079474	0.20947205	0.02939115
1.31994115	0.06837562	0.06523404	0.00087876	0	0.00283346	0	0.09526804	0.08801105
0.03411832	0.03097212	0.31125196	0.2305543	0.00077413	0.1114322	0.01036453	0.0408373	0.0146246
0.03632055	0.01386403	0.47453345	1.04610328	0.00073179	0.02889887	0.00298187	0.1127081	0.04186987
1.1690975	0.14397528	0.0995303	0.0011183	0	0.00254605	0	0.09326233	0.07996224
0.40695677	0.12908023	0.05920436	0.00078301	0	0.0011109	0	0.02723598	0.02057045
0.14073625	0.06766812	0.12247957	0.14942098	0.00310329	0.08648049	0.00943906	0.15448094	0.03241696
0.00368266	0.00377413	0.00934621	7.92817653	0.00076836	0.00634352	0.00094486	0.00189689	0.00189622
0.0791916	0.03088221	0.27012529	0.03698885	0.00286382	1.37468105	0.0199373	0.13388207	0.01328993
0.17089813	0.03011116	0.12880339	0.05526312	0.01258555	0.15853647	0.04937807	0.11519208	0.05563528
0.06315941	0.01215298	0.09479726	0.00955796	0.28186444	0.0344505	0.05165947	0.13343208	0.03473575
0.15751339	0.07507941	0.12740846	0.15172386	0.00306816	0.11915023	0.00495167	0.19196408	0.03881229
0.27994574	0.03201485	0.05439034	0.00033714	0	0.0006094	0	0.03052793	0.96253491
0.04127803	0.03370755	0.20055996	0.61418306	0.00054963	0.02897795	0.00074539	0.06569114	0.00754059
0.01378238	0.02221724	0.09053719	0.11209544	0.00282468	0.02084018	0.00556973	0.02572788	0.00412432
0.0317998	0.00686361	0.06533033	0.03385306	0.06038564	0.07361873	0.83702266	0.10015847	0.00931408
0.58190848	0.15506173	0.10531743	0.01555132	0	0.00479141	3.0149E-05	0.13566622	0.06909451
0.08600626	0.03831405	0.39942824	0.14103662	0.00183717	0.05588969	0.00400644	0.09895516	0.01898816
0.0878788	0.01207918	0.07036496	0.00740418	0.01368765	0.04839449	0.02631727	0.07276129	0.03660039
0.01576862	0.01695602	0.18702855	0.12254915	0.00141781	0.02286975	0.00422921	0.03408801	0.00937079
0.09732208	0.04452449	0.56590146	2.00178523	0.00428444	0.0528375	0.00944378	0.12641503	0.03805012
0.13295172	0.01169544	0.06650481	0.00402237	0.0413128	0.06739017	0.19051083	0.20502323	0.10332783
0.16880443	0.03353758	0.28405713	0.01897282	0.00149016	0.1170046	0.00609433	0.28613362	0.02841312
0.33628176	0.03516108	0.03340427	0.0003471	0	0.0006295	0	0.03003585	1.1313818
0.43234433	1.00261491	0.15797751	0.03072163	0	0.01246205	0	0.19495503	0.06661836
0.06907353	0.04115933	0.27710911	0.20724508	0.00174574	0.06725236	0.00880445	0.0563627	0.01299796
0.04009942	0.00582201	0.01232504	0.00046125	0.01448529	0.01253785	0.01488737	0.16791077	0.03217801
0.07354635	0.02559274	0.1145211	0.06437632	0.00853768	0.36851892	0.00891441	0.21609018	0.02213331
0.09372375	0.01127464	0.13909614	0.02268512	0.03894184	0.06448568	0.61089087	0.19067407	0.10046094
0.00149556	0.00160726	0.01135661	7.92904169	0	0.00141827	0	0.00163125	0.00080969
0.33937647	1.02706059	0.07518012	0.01328232	0	0.00738028	0	0.1479584	0.04451647
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0.10038399	0.04482458	0.62734701	0.10070326	0.00165258	0.0383606	0.00219579	0.2163764	0.01815673
0.06479023	0.03395132	0.38996773	0.18326529	0.00131879	0.03751575	0.00255773	0.12244678	0.01334361
0.05413421	0.01879426	0.29297234	1.34401778	0.0007098	0.02598749	0.00190311	0.14226383	0.03817683
0.01157388	0.01281433	0.13310059	5.0580542	0.00144353	0.01484324	0.002746	0.03959897	0.00460458
0.54520552	0.18455687	0.10305275	0.02588523	0	0.0022271	0	0.09067175	0.11444902

0.11025168	0.03820989	0.38804989	0.15479072	0.00184794	0.0379168	0.00316159	0.03954011	0.01668923
0.25634345	0.38750386	0.10475874	0.09673544	0	0.00854146	0	0.15042664	0.01864327
0.18710583	0.41736023	0.08913967	0.02188065	0	0.01817495	0.00075435	0.45444428	0.01261078
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0.0467699	0.03182416	0.31655782	0.56869005	0.00069479	0.03620671	0.0009161	0.08253941	0.01375202
0.06558293	0.1386024	0.13282653	0.23515531	0	0.00690139	0.00082707	0.06394294	0.01994266
0.073898	0.06197019	0.15288337	0.20920043	0.00072451	0.11251011	0.00303287	0.15965931	0.02671437
0.10339647	0.03944238	0.19311437	0.10255906	0.00272512	0.89848842	0.01251079	0.17296256	0.01342626
0.01637236	0.00939744	0.22766253	0.96718381	0.00070828	0.03286232	0.00188306	0.07384496	0.01608526
0.02320462	0.00762037	0.45615248	0.57371235	0.00066106	0.02736034	0.00152561	0.07723159	0.02598894
0.18696427	0.06595978	0.48889453	0.07049838	0.00231799	0.04695888	0.00631734	0.11057313	0.02533511
0.02523218	0.01820029	0.11257986	0.06221859	0	0.05585394	0.00085583	0.01314482	0.00611926
0.08883625	0.03381892	0.14262203	0.0953187	0.0026223	0.58920427	0.0118819	0.27416329	0.03117342
0.02124916	0.02730087	0.25347446	0.25383709	0.0008228	0.05054865	0.00770462	0.02968355	0.00877326
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0.05714547	0.01009802	0.03835715	0.00206296	0.03202735	0.09439813	0.06081739	0.13626922	0.02606286
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0.06530405	0.12185228	0.11261954	0.56920271	0.00057974	0.0174166	0.00170522	0.07910857	0.0180472
0.0827027	0.03981491	0.36936781	0.1600428	0.00225806	0.03838095	0.00512269	0.03400992	0.00856075
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0.82638656	0.17078519	0.10396134	0.00327124	0	0.00406841	0	0.08390617	0.20804974
0.17535934	0.04086465	0.31108763	0.02378574	0.00059247	0.07788589	0.00244849	0.18875101	0.04029507
0.01841255	0.00597502	0.04839269	0.13760676	0.00193948	0.01160161	0.00288999	0.038249	0.00824744
0.03258241	0.02889388	0.32223987	0.25778807	0.00084011	0.1286656	0.01157922	0.04558897	0.01520273
0.1092114	0.02699309	0.13219571	0.0023076	0.00056753	0.06928078	0.00215349	0.73878215	0.07083743
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0.0109971	0.00410745	0.07932823	0.01656276	0.02929171	0.04957205	2.31755753	0.06906724	0.00816925
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0.05832043	0.05719939	0.19197937	0.18881015	0.00070024	0.14052904	0.0046322	0.11404975	0.02142732
0.01957796	0.02515983	0.23360111	0.23394004	0.00075547	0.0465843	0.00710034	0.02735504	0.00808517
0.70431035	0.20864527	0.09697372	0.00989118	0	0.00097349	0	0.07591832	0.2809059
0.09006889	0.06126536	0.22277991	0.13934468	0.00271062	0.19018559	0.00302205	0.18201307	0.04346645
0.31660217	0.03314408	0.03136488	0.00032664	0	0.00059088	0	0.0281504	1.06334736
0.03430836	0.00981423	0.55655238	0.7023913	0.00076446	0.03172331	0.00294826	0.10864316	0.03948626
0.12023694	0.04564554	0.14706942	0.24343357	0.00114443	0.01188318	0.00381706	0.04607431	0.01501676
0.09062143	0.01016496	0.08219048	0.05510715	0.0040383	0.18981078	0.01756678	0.43140755	0.04674208
0.00876791	0.00340507	0.02136669	0.13980913	0.00125226	0.00333973	0.00134275	0.00272969	0.00477629
0.1404518	0.39580647	0.15842612	0.29531968	0.00079892	0.01505981	0.0010674	0.15885209	0.0366113
0.19445452	0.27344242	0.09517271	0.09635905	0	0.01278943	0	0.17566915	0.00700494
0.07395444	0.01006975	0.10725961	0.01590368	0.03601262	0.04532421	1.25414847	0.12950899	0.07179931
0.0291727	0.0062908	0.11655771	0.03105499	0.05542837	0.06754246	0.76795759	0.11998482	0.00854547
0.0539135	0.02536734	0	-7.6696E-05	0	0	0	0.00025251	0.00182519
0.09466843	0.01191361	0.0694844	0.02242862	0.02064878	0.05412051	1.98294234	0.12407136	0.08699375
0.03543928	0.00764744	0.07281839	0.03772438	0.0673297	0.08204571	0.93282486	0.11162567	0.01037592
0.31497549	0.12820028	0.08333579	0.01580632	0	0.00120051	0	0.04635186	0.02933397

0.07301893	0.03276429	0.22082543	0.22312979	0	0.06409563	0.00102708	0.06507462	0.01489034
0.048154	0.00945108	0.0919121	0.00735417	0.58076792	0.03743954	0.05828199	0.16135918	0.02048243
0.32337085	0.03897118	0.04243564	0.00041912	0	0.00074412	0	0.03301618	1.22273977
0.41386362	0.04586752	0.06019207	0.00046978	0	0.00044523	0	0.04028839	1.65898817
0.27154859	0.61812426	0.07006804	0.05821326	0	0.01021502	0	0.15136758	0.01757839
0.90820567	0.16700487	0.06181844	0.00058607	0	0.00208715	0	0.06462678	0.52214894
0.39683189	0.95017537	0.11559187	0.0126331	0	0.00790577	0.00058288	0.15772782	0.04449536
0.39516688	0.54162532	0.08120795	0.03171878	0	0.00959925	0	0.15202687	0.04840399
0.03256862	0.0070244	0.06691726	0.03466856	0.06187144	0.07539755	0.85729827	0.10258689	0.00953655
0.0930676	0.26712601	0.09901284	0.15882371	0.00048488	0.01320988	0.00062426	0.15981344	0.02945359
0.33308984	0.04299867	0.06447089	0.00045006	0	0.000811	0	0.04037208	1.31220512
0.01228205	0.00592213	0.04957482	0.12636343	0	0.08337407	0.00083623	0.06031639	0.01022651
0.72464893	0.17281024	0.08632777	0.00273539	0.00041132	0.00804994	0.00055326	0.13377939	0.21515109
0.0123069	0.00766416	0.23555807	2.12568375	0.0012142	0.04709762	0.00426374	0.07729613	0.01030533
0.11908512	0.01570211	0.08554841	0.02139099	0.01239806	0.07016334	0.49821895	0.17278488	0.07788652
0.3135476	0.02740958	0.02894716	0.00039842	0	0.00037727	0	0.03868084	1.32794907
0.45756441	0.14164232	0.08881669	0.00087453	0	0.00124733	0	0.03062664	0.0231254
0.07644583	0.01701133	0.11106663	0.01153382	0.03569323	0.04523859	0.04542843	0.17553291	0.0255892
0.03251252	0.00919019	0.41146993	0.23682899	0.00074786	0.05473553	0.00204535	0.10806024	0.03599831
0.07210592	0.01189213	0.05063724	0.00167605	0.03567702	0.05899611	0.04358232	0.14373793	0.08786713
0.02793011	0.02801805	0.25891992	2.04952231	0.00058271	0.03093868	0.00227428	0.0625086	0.0083774
0.01677603	0.00822092	0.1179383	0.14952894	0.00060426	0.02220315	0.00074385	0.0578777	0.00826101
0.02645678	0.02057751	0.12899515	0.12434279	0.00147406	0.05364847	0.00274605	0.04987405	0.01126945
0.18660783	1.36948234	0.15344832	0.00896395	0	0.00489449	0	0.13883343	0.03446675
0.02150302	0.00526671	0.04532123	0.00759677	0.04758914	0.00930295	0.04271759	0.09306011	0.01196844
0.37997316	0.04520972	0.05453918	0.00041897	0	0.00039644	0	0.03852358	1.30051444
0.12564742	0.05815088	0.26068781	4.0605672	0.00089965	0.01988742	0.00204682	0.05532937	0.04405432
0.14310202	0.33649666	0.09153773	0.47703842	0.00075347	0.01026193	0.0009967	0.11856765	0.03511207
0.09094568	0.01343547	0.07523226	0.00189935	0.00927487	0.06671254	0.03718898	0.27844908	0.11108514
0.0640091	0.06378586	0.19542266	0.20045934	0.00075052	0.16916924	0.00493463	0.11763651	0.02483948
0.13525016	0.3811526	0.15255424	0.28438608	0.00076877	0.01450905	0.00102712	0.15297172	0.03525571
0.58113765	0.21858041	0.09738484	0.02190727	0	0.00217719	0	0.08762213	0.12099831
0.19167346	1.40638832	0.15761462	0.0092007	0	0.00502829	0	0.14261325	0.03539616
0.01015147	0.0122013	0.19582929	1.98501619	0.00064901	0.0256241	0.00174203	0.13474721	0.00880088
0.07839377	0.03434265	0.25245848	0.2047227	0.00162988	0.04072547	0.0034726	0.03402236	0.00978577
0.32393658	0.13395106	0.06937576	0.00181729	0.00046572	0.01472085	0.00237317	0.48413186	0.09568287
0.43916423	0.11400932	0.01852851	0.00050249	0	0.00091343	0	0.10345794	0.58501002
0.04952343	0.02333846	0	-7.0605E-05	0	0	0	0.0002356	0.0016796
0.00430513	0.00441733	0.00849236	7.08801697	0.00071157	0.00761909	0.00088477	0.00266486	0.00177592
0.48950133	0.21545759	0.07869463	0.01412018	0	0.00151321	0	0.05791887	0.10583597
0.39910016	0.04428175	0.05778043	0.00045952	0	0.00043562	0	0.03870487	1.59690594
0.01757997	0.01622413	0.31971963	1.4428151	0.00144726	0.05418866	0.00508049	0.12178565	0.01635629
0.06734256	0.03734177	0.1040444	0.00612084	0.06994058	0.08166314	1.47718192	0.11282252	0.02365842
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0.00152135	0.00016211	0.0003864	8.6967E-05	0	6.9476E-05	0	0.00058801	0.00043275
0.01787518	0.00950181	0.05387942	0.27890918	0.00121333	0.04506129	0.00657024	0.05507881	0.00807179
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0.14566116	0.3425262	0.09317243	0.48558132	0.00076108	0.01045213	0.00100677	0.12068224	0.03573908
0.17785142	0.05932065	0.46209142	0.07386023	0.00063308	0.05787107	0.00175342	0.15159211	0.0404642
0.0639558	0.0119094	0.1369239	0.00841915	0.10225676	0.06829392	0.35494851	0.15683723	0.0155267
0.02351561	0.01561802	0.1328773	0.14598372	0	0.09366402	0.00077532	0.06984835	0.01180454
1.0710392	0.19045526	0.04588654	0.00055884	0	0.00098518	0	0.10558008	0.20065823
0.21135481	0.38727451	0.10351094	0.07603949	0	0.00520394	0.00045292	0.10697159	0.01963014
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0.47220764	0.14795811	0.05655403	0.00173903	0	0.00106135	0	0.17425549	0.42152411
0.31508468	0.70990275	0.10965341	0.0227506	0	0.00793899	0	0.12820466	0.04716921
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0.0244203	0.00477752	0.04629171	0.00292763	0.10366083	0.01230697	0.01212594	0.09902272	0.00979865
0.08354258	0.01106133	0.0650694	0.0183673	0.03177538	0.05109405	1.2573039	0.12014754	0.0790877
0.0678956	0.01384424	0.12938871	0.00785959	0.09993244	0.05738618	0.1683784	0.14559264	0.01589438
0.07268194	0.03279949	0.25101878	0.20022234	0.00160955	0.03957086	0.00342143	0.03279957	0.00893294
0.02234531	0.01962251	0.13298898	0.15057646	0	0.04832908	0.00081528	0.00994131	0.00578222
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0.14207374	0.40391227	0.17494488	0.31823075	0.00081889	0.01602674	0.00106683	0.16405583	0.03643758
0.18516199	0.02592824	0.13125961	0.0431068	0.01416136	0.12760942	0.12661039	0.19390756	0.08606122
0.21831165	0.84834263	0.15349751	0.01132471	0	0.00580887	0	0.1355648	0.02785368
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0.0686922	0.0188025	0.0480275	0.02630209	0.00603561	0.04967149	0.02661046	0.17943639	0.05198077
0.01846016	0.02131985	0.06546381	0.13997818	0.00114313	0.05100211	0.00452455	0.04538282	0.0084251
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0.06644824	0.01387231	0.05564094	0.00516225	0.02362292	0.06080487	0.0452233	0.15537203	0.01352075
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0.45759774	0.10871232	0.01932418	0.00038953	0	0.0003656	0	0.03611573	0.67454574
0.00197632	0.00045328	0.00040418	6.3263E-05	0	8.0178E-05	0	0.0005887	0.00044457
0.01235083	0.00826788	0.01560542	0.0476215	0.00048912	0.04292914	0.00127805	0.08135541	0.00832709
0.12957426	0.03953812	0.01889819	0.00069163	0	0.00140492	0	0.02907333	0.02256557
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0.10685521	0.15218764	0.15056524	0.40749328	0	0.01212798	0.00092743	0.13321241	0.04745075
0.02287601	0.01383919	0.07003934	0.28570672	0.00071319	0.0565917	0.00198561	0.09477623	0.01096299
0.24373403	0.06067692	0.04893202	0.00058909	0	0.00054116	0	0.13215688	0.12606476
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0.18023696	0.07742107	0.0169862	0.00047183	0	0.00085542	0	0.05818801	0.15511436
0.01029894	0.01269295	0.000386	0.00037998	0	0.00011116	0	0.00033024	0.00109708
0.59767002	0.14458741	0.03735224	0.00045223	0	0.00082389	0	0.05574758	0.57524806
0.0357567	0.01436807	0.00341901	0.00016759	0	0.00040853	0	0.00691266	0.00643166
0.54989058	0.4012599	0.02774648	0.00859566	0	0.00229266	0	0.13264513	0.05227671
0.04188449	0.0112093	0	-0.00031398	0	0	0	8.9951E-05	0.00058792
0.00479556	0.00167182	0.02151163	0.01452055	0.00036629	0.03300319	0.00112088	0.04910172	0.00338444
0.04975719	0.01440625	0.02097165	0.00049018	0	0.00046461	0	0.04321014	0.05049068
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0.03468802	0.01556238	0.13833623	0.22215885	0.00100093	0.01983664	0.00425469	0.04279227	0.01996
0.06230999	0.00405565	0.01985912	0.0003897	0	0.00036535	0	0.04044116	0.02561591
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0.01965474	0.01137075	0.05835897	0.10785592	0.00087947	0.0682271	0.00659843	0.07300548	0.01025494
0.23855886	0.06039226	0.04904167	0.00058103	0	0.00052824	0	0.11825962	0.11091287
0.02199057	0.01169	0.10209364	0.26088961	0	0.04088416	0.00078461	0.07452751	0.01018953
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0.01788379	0.03085196	0.00036538	0.00037257	0	0.00010535	0	0.00016303	0.00338145
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0.03333846	0.01455412	0.10932051	0.17435936	0.00086154	0.0276264	0.00380378	0.04021619	0.0191419
0.06196269	0.01598322	0.07432621	0.00825516	0.2017223	0.03553717	0.05317978	0.16188042	0.04877931
0.39228861	0.09827356	0.08199315	0.00090129	0	0.00122937	0	0.165117	0.16074002
0.04277478	0.0509313	0.00300647	0.00348649	0	0.00019218	0	0.0021544	0.00539443
0.16399048	0.02186089	0.03107951	0.00040191	0	0.000372	0.00040255	0.08425356	0.08063948
0.09609976	0.01670464	0.01572434	0.00022388	0	0.00065213	0	0.03975301	0.03580898
0.10689727	0.01906225	0.0173893	0.00026471	0	0.00050577	0.00026098	0.0438865	0.03885371
0.54167989	0.14158429	0.10962317	0.00106102	0	0.00307351	0	0.27406257	0.1745432
0.00210108	0.00410924	0.00014072	2.8033E-05	0	0.0002059	0	0.00013123	0.00040063
0.06758718	0.02045683	0.01048706	0.00031967	0	0.00064099	0	0.01578416	0.0103963
0.07882197	0.00817623	0.01575849	0.00027792	0	0.00025804	0	0.04235592	0.04791477
0.0899451	0.01630672	0.01806072	0.0003958	0	0.00057675	0.00020062	0.02605984	0.01425349
0.00133368	0.00095332	0.00024451	2.0221E-05	0	0	0	0.00019745	0.00019992
0.09296306	0.01234892	0.01672647	0.00023479	0	0.00067797	0	0.03454917	0.02699457
0.02052253	0.02970562	0.0008018	0.00053439	0	0.00010944	0	0.00037139	0.00281729
0.02228762	0.03319016	0.00090708	0.00117555	0	0	0	0.00042797	0.00326333

MS	MO	NE	NH	NJ	NY	NC	ND	OH
0.002733	0.10778402	0.01836858	0.00464767	0.03004892	0.2514846	0.04428794	0.05517953	1.46521154
0.00096519	0.06512402	0.02547044	0.00102514	0.00818605	0.27439755	0.00849187	0.00482555	0.66011099
0.00115641	0.05445452	0.01236012	0.00123048	0.00493331	0.66465614	0.00561995	0.01838391	3.75126431
0.00263557	0.09144184	0.01414844	0.00072998	0.01296954	0.09371114	0.04331674	0.02598029	0.77006051
0.00093498	0.06265842	0.02464685	0.00099259	0.00799148	0.26621322	0.00814543	0.0046367	0.63899092
0.0009553	0.04477457	0.01014435	0.00101657	0.00404494	0.51368023	0.00462345	0.01511092	3.08233776
0.00079497	0.29441077	0.08423419	4.3164E-05	0.00088921	0.04102383	0.00223423	0.02062806	0.20364898
0.00152294	0.1887355	0.02344606	0.00509527	0.0324232	0.29098962	0.04196616	0.07065027	2.37169594
0.00085435	0.06187002	0.02416675	0.00090459	0.00802225	0.27108277	0.00918574	0.00424963	0.6781958
0.14034151	0.24912202	0.01703457	0.00090595	0.00095646	0.01623171	0.02645697	0.00892991	0.30477581
0.00975759	0.89175951	0.05710754	0	0.00126327	0.10572342	0.00987535	0.10531217	0.57624331
0.00075468	0.04520728	0.02060062	0.00245888	0.01347222	0.28060985	0.01263888	0.00457319	0.49681899
0.00201935	0.07882764	0.02063724	0.0022431	0.01926655	0.23128626	0.05174324	0.04158106	1.25652175
0.00090747	0.39072303	0.16582782	0.00096073	0.00104902	0.03006092	0.00504165	0.10619074	0.2387882
0.01072322	0.0717174	0.01448369	0.00822833	0.0866429	0.26049312	0.17133981	0.01456045	0.34256237
0.00799051	0.24914144	0.03155008	0.00096434	0.0010139	0.1982943	0.00604643	0.01127911	0.83535036
0.00832306	0.2593909	0.03284843	0.00100822	0.00106005	0.20642767	0.00629465	0.01174572	0.86945642
0.00816182	0.25447059	0.03222404	0.00098628	0.00103697	0.20252433	0.0061801	0.01151738	0.85309404
0.00089791	0.10779272	0.01933976	0.00399094	0.02269854	0.18251207	0.03913462	0.04708601	1.03282329
0.00083447	0.04687551	0.0219728	0.00088613	0.00708716	0.25118292	0.00729198	0.00414905	0.56943543
0.00104863	0.45028536	0.18908859	0.00111531	0.00121216	0.03463635	0.00581223	0.12237457	0.27518594
0.01610954	0.12513756	0.02024407	0.02113413	0.59327131	1.92497699	0.15805275	0.00798391	0.19853589
0.11220608	0.24523639	0.01068257	0.00076736	0.0008187	0.0151261	0.02222982	0.00468485	0.24684842
0.00801761	0.13295159	0.01802836	0.00100363	0.01044768	0.18942305	0.01958108	0.02429479	1.84199454
0.0102015	0.93255567	0.05973038	0	0.00132214	0.11050958	0.01032082	0.11007236	0.60261599
0.00163079	0.06494587	0.02957131	0.00175549	0.02325604	0.27414559	0.01877614	0.00560495	0.74549348
0.00208015	0.142435	0.02958278	0.00115652	0.01895286	0.12910276	0.07218338	0.06026494	0.95299657
0.00091645	0.37269521	0.10768314	0	0.00103862	0.0416858	0.00423608	0.02386112	0.22989567
0.00088562	0.20185488	0.04547253	0.00190131	0.01490509	0.25866755	0.01355163	0.00962226	0.75255071
0.00072437	0.44307503	0.08082071	0.00077489	0.00080714	0.03827521	0.00270024	0.01815658	0.16796693
0.00092361	0.37172625	0.06569173	0.00105975	0.00108899	0.06612274	0.00401537	0.01420781	0.33176081
0.00089622	0.55955756	0.1066842	0	0.00101397	0.03393616	0.00417162	0.02264144	0.17989533
0.00092513	0.04367897	0.009896	0.00098443	0.00395583	0.50135017	0.00450746	0.01474289	3.00790952
0.00098546	0.04642139	0.0105319	0.00104861	0.00421128	0.53293012	0.00479768	0.01566807	3.19712655
0.00110943	0.13824147	0.0171687	0.00373283	0.02374644	0.21313269	0.03074106	0.05174276	1.73735855
0.0009152	0.05471314	0.02584853	0.00097536	0.00779817	0.29429781	0.00984793	0.00456551	0.91952719
0.0035588	0.14772557	0.02575552	0.00132298	0.01639405	0.33337982	0.02235532	0.03398922	2.14608128
0.00873171	0.26982046	0.02844766	0.00103133	0.00450745	0.08934699	0.06413733	0.03538595	0.81560915
0.00096698	0.04655973	0.01223654	0.00104772	0.00322909	0.47027192	0.001838	0.02290344	2.36603169
0.00117036	0.07432521	0.00910533	0.00125673	0.0102255	0.0690663	0.01845886	0.02679485	0.6392037
0.00961278	0.29991682	0.03797314	0.00116158	0.00122127	0.23871467	0.00727869	0.01357267	1.00567503
0.00081578	0.48294851	0.09507125	0	0.00092532	0.03804141	0.00303713	0.02135675	0.17440164
0.00092448	0.05221723	0.02481998	0.00097625	0.00837059	0.32235687	0.00879139	0.00451938	0.75072018

0.00092495	0.36233755	0.06626664	0.00095013	0.00098546	0.08421147	0.00429979	0.01415857	0.39867876
0.00101855	0.61527311	0.17579069	0.0010399	0.00114535	0.03074224	0.00454257	0.09199781	0.27007999
0.00776883	0.24223915	0.0306679	0.00094243	0.00099086	0.19279702	0.00587449	0.01096138	0.81217993
0.00211057	0.13350724	0.01769695	0.00494396	0.01430739	0.18744857	0.0218877	0.04971908	1.1118868
0.00199592	0.10203194	0.01473218	0.00433798	0.02541197	0.20435534	0.03283307	0.04308421	1.24844179
0.01709528	0.15638477	0.02916042	0.01016878	0.08617889	0.27236741	0.20821855	0.04643584	0.37726573
0.000473	0.26417571	0.11619368	0	0	0.01059513	0.00307039	0.04325068	0.20158123
0.00036262	0.03905754	0.00885501	0.00075315	0.00574937	0.1390239	0.00459468	0.01028956	0.65909366
0.00796726	0.13226273	0.01793909	0.00100364	0.01039063	0.18843326	0.01947565	0.02416565	1.83229481
0.00079374	0.43142122	0.07091101	0	0.00086457	0.04719906	0.00297496	0.01532201	0.20400271
0.00095804	0.57825099	0.16520201	0.00098459	0.00107524	0.02889278	0.00426695	0.08646181	0.25382427
0.00126072	0.11639623	0.01945586	0.00423132	0.02690834	0.24151755	0.03483399	0.05863711	1.968252
0.00103574	0.0404997	0.0110585	0.00110211	0.00441127	0.55963305	0.00502984	0.01645396	3.35728059
0.00251032	0.10422591	0.01816747	0.00093715	0.01156956	0.2352036	0.01577596	0.02398589	1.51375335
0.0011397	0.64640483	0.04408932	0	0.00127664	0.12482828	0.01329424	0.10882093	0.63636649
0.01717773	0.1116144	0.0220786	0.01142183	0.09271727	0.36278428	0.20614918	0.03831557	0.53373781
0.01332838	0.13694604	0.01806767	0.02715515	0.2538032	3.25375277	0.13841818	0.00606325	0.20478636
0.00150957	0.40205502	0.1951743	0	0	0.02561346	0.0036288	0.13079659	0.26762867
0.00114009	0.52421041	0.05733383	0.00124562	0.00131943	0.142863	0.02441905	0.07125125	1.01433407
0.00090287	0.29145137	0.05766721	0.00093606	0.00095725	0.04978168	0.00262	0.01252261	0.19237131
0.00705067	0.11696182	0.01585659	0.00088365	0.00918918	0.16663138	0.01722544	0.02137462	1.62025771
0.02317064	0.19444887	0.0278186	0.00775935	0.04490334	0.08151698	0.2486514	0.01201616	0.25368357
0.00159984	0.51873948	0.2397289	0	0	0.0218116	0.00463517	0.14053329	0.22737243
0.00868719	0.12993448	0.0181356	0.00097714	0.01002925	0.20708769	0.01557314	0.0241133	1.53152586
0.00102651	0.13416549	0.01892973	0.00223594	0.02244392	0.39712827	0.01479765	0.02995054	2.18315243
0.00131099	0.06216951	0.01466571	0.00288713	0.03322247	0.68298509	0.01926403	0.02617189	2.75226783
0.00051326	0.28583539	0.12571304	0	0	0.01146925	0.00332058	0.0468092	0.21815633
0.00677722	0.32060337	0.04197967	0.00153112	0.00315538	0.17704498	0.03797695	0.04740266	1.20803909
0.00107782	0.14621914	0.02101147	0.00236925	0.0255164	0.39702324	0.01772518	0.03460232	1.95538724
0.02142829	0.31823474	0.02477075	0.00144553	0.00155455	0.08775135	0.11048422	0.04449781	0.90358193
0.00112145	0.44572155	0.04155977	0.00124258	0.00132636	0.17908234	0.02074231	0.05472782	0.99707262
0.01214062	0.12526573	0.02064918	0.01306078	0.2743513	1.79948679	0.11375327	0.0198837	0.22344226
0.00071444	0.4412017	0.07955228	0.00076579	0.00079857	0.03826916	0.00271643	0.0182727	0.16773214
0.02454957	0.20599631	0.02946613	0.00837605	0.04850826	0.08748905	0.26393281	0.01272185	0.26884022
0.00082476	0.05114091	0.02439564	0.00087981	0.00730844	0.24440133	0.0079108	0.00406784	0.61602361
0.00088471	0.05955775	0.02345454	0.00093911	0.00762481	0.25353476	0.00773913	0.00439794	0.60827184
0.0156105	0.08215534	0.01730902	0.01248297	0.06860848	0.24958222	0.2083936	0.01732633	0.36179908
0.00426945	0.31925491	0.03861836	0.00091329	0.00095635	0.20265555	0.0040671	0.01174338	0.71207687
0.00094486	0.0584552	0.02582507	0.00100109	0.01349195	0.33741555	0.01023921	0.00473701	1.23624194
0.00095872	0.11619708	0.02073833	0.00438297	0.02389635	0.19733968	0.04265142	0.0512176	1.07519532
0.00262122	0.10867297	0.01894011	0.00098126	0.01205811	0.24525307	0.01645184	0.02501794	1.57831626
0.00807815	0.14631331	0.01960358	0.00113984	0.00935965	0.18349967	0.02252799	0.02582467	2.1813359
0.00086616	0.51357882	0.10103864	0	0.00098289	0.04046984	0.00323781	0.02273693	0.18538738
0.00144051	0.35206312	0.19518242	0	0	0.01818426	0.00470769	0.17430607	0.29381975

0.00234046	0.14499846	0.0233403	0.00257703	0.0245643	0.20060425	0.0488332	0.05887139	1.67388468
0.00090724	0.20255836	0.03162399	0.00097995	0.00208882	0.25017953	0.00765067	0.01046085	0.93912642
0.0045422	0.05052125	0.01408609	0.04248732	0.2070571	2.66698631	0.04115228	0.00981336	0.13337922
0.00074645	0.33645249	0.13681149	0.00078774	0.00083343	0.02933446	0.00411788	0.08850406	0.2643249
0.00136146	0.07196626	0.0091397	0.00231285	0.01494337	0.1251819	0.02205329	0.02747064	0.72893179
0.00063583	0.06521355	0.01336587	0.00142882	0.0162999	0.22438679	0.01898879	0.02154229	1.09174662
0.00094561	0.04663987	0.01105345	0.00101046	0.00203659	0.53482123	0.00183343	0.01693515	2.77443472
0.00173321	0.10239255	0.01909944	0.00097585	0.01012461	0.22582456	0.01857306	0.0251286	1.76615747
0.00088729	0.37821167	0.16062079	0.0009385	0.00102546	0.02907332	0.00488036	0.10272915	0.23111582
0.01504676	0.16915496	0.03334032	0.01734217	0.73755636	0.57541588	0.19021462	0.03996064	0.26851461
0.00084494	0.32312338	0.08402678	0	0.00093848	0.04932662	0.0023944	0.02124281	0.22127903
0.02273771	0.19078702	0.02729276	0.0077156	0.04465053	0.08068748	0.24436305	0.01178763	0.24904795
0.00937374	0.85921581	0.05506196	0	0.00120335	0.10158625	0.00947079	0.10116177	0.55531533
0.0009259	0.34499704	0.07347268	0.00087527	0.00091363	0.04231871	0.0115865	0.01853833	0.49583744
0.00100859	0.46381989	0.04503954	0.00110792	0.00117134	0.19955598	0.01244869	0.04382575	0.89832128
0.00277543	0.23755517	0.03226245	0.00103802	0.00113703	0.17180231	0.00811419	0.01266971	0.78474684
0.00314078	0.07793608	0.01686542	0.0017764	0.01472738	0.11076375	0.0524073	0.03061462	0.86987838
0.01569541	0.13118028	0.02477784	0.02387331	0.71393219	1.51495713	0.18290205	0.01034168	0.18919901
0.00037269	0.05038027	0.00892468	0.00075293	0.00580414	0.12873976	0.00461452	0.01035932	0.66542281
0.00881815	0.131836	0.01841321	0.00098805	0.01017837	0.2101363	0.01579321	0.0244609	1.55467122
0.00124952	0.0763435	0.01284533	0.00273011	0.0272821	0.61951113	0.01588048	0.02241823	3.06074321
0.00189582	0.05792634	0.01007137	0.0020787	0.0126239	0.31265472	0.03261505	0.01972389	1.94629001
0.0009884	0.45004071	0.04369382	0.00108557	0.0011476	0.17429169	0.01207956	0.04247729	0.87218083
0.00677354	0.22722937	0.02134649	0.0010696	0.01317625	0.07176213	0.0447383	0.03840253	0.91573724
0.00107917	0.60948214	0.04158499	0	0.00119439	0.11751053	0.01250709	0.10244371	0.59951085
0.00386276	0.28034555	0.03923715	0.00144857	0.00155351	0.11867515	0.04352804	0.05454415	1.01941491
0.00077488	0.05137719	0.02422186	0.00167333	0.01332437	0.25005994	0.01219881	0.0046921	0.58399719
0.01277528	0.28272599	0.04066218	0.00141804	0.00903999	0.11994664	0.04267861	0.03752146	1.35826547
0.00125063	0.11558222	0.01931726	0.00419807	0.02672077	0.23983632	0.03458717	0.05823042	1.95477707
0.00201084	0.2622558	0.03914182	0.00113154	0.00120883	0.10001408	0.03205045	0.07171224	0.80778406
0.08958	0.17337102	0.00826618	0	0.00070052	0.00165262	0.0295046	0.00319319	0.12557588
0.00174632	0.04466173	0.01026713	0.00193502	0.01026557	0.25158941	0.03113432	0.03008277	1.66103867
0.00598917	0.28541797	0.0362681	0.00138415	0.00281757	0.15422373	0.03711091	0.04184669	1.06928697
0.00097504	0.07138371	0.02653018	0.0010333	0.01389445	0.34655792	0.01055782	0.00487624	1.27023558
0.00851631	0.77959625	0.0499441	0	0.00109767	0.09232241	0.00861698	0.0919575	0.50379683
0.00048365	0.05491255	0.0128563	0.00105172	0.00885639	0.20424285	0.00686894	0.01473466	0.78184979
0.01098814	0.11257588	0.01496918	0.03357576	0.23175211	2.74131361	0.13974529	0.00499204	0.17109353
0.00536353	0.89568956	0.04626612	0.00128436	0.0013932	0.1430625	0.01619141	0.05562173	0.62182663
0.00096769	0.04532374	0.0123054	0.00105654	0.00561272	0.74589825	0.00635649	0.04164649	0.7571396
0.00605853	0.29015602	0.03710804	0.00138072	0.00285495	0.15419297	0.03683234	0.04177617	1.08503622
0.00076416	0.49457718	0.08601381	0	0.00084298	0.03562951	0.00287454	0.01931083	0.12492907
0.00777593	0.1290377	0.01749272	0.0009819	0.01013998	0.18381248	0.01900574	0.02358943	1.78692458
0.01465236	0.1448369	0.01516829	0.01054847	0.0526769	0.29542407	0.19539164	0.01625321	0.4000116
0.01759204	0.1896348	0.03834288	0.00960304	0.13125313	0.25411481	0.17782881	0.05757081	0.34214179

0.00591022	0.28577607	0.03689702	0.00134386	0.00280828	0.14134282	0.03583511	0.04153711	1.04614495
0.02386353	0.16446229	0.02546052	0.01708577	0.06623612	0.27302633	0.21732957	0.02364771	0.45469384
0.00096536	0.07571355	0.02740257	0.00102731	0.01280234	0.33834001	0.01035902	0.00481479	1.14455323
0.02193278	0.18401602	0.02632966	0.00756529	0.04392625	0.08494952	0.23591292	0.01137005	0.23999697
0.00093304	0.2988169	0.05849882	0.00096818	0.00099061	0.0515695	0.00273647	0.01302017	0.20020684
0.00082578	0.30995358	0.17766364	0	0	0.02529363	0.00387267	0.31502223	0.22004039
0.01222856	0.12545814	0.01663277	0.03265404	0.24847197	3.02679085	0.15435781	0.00555754	0.18955958
0.00862615	0.22612685	0.02591884	0.00136991	0.01026372	0.08310464	0.01143931	0.05832986	0.99917811
0.00065432	0.23828799	0.1883194	0	0	0.01420673	0.00429568	0.26858464	0.2235645
0.01582612	0.1003595	0.02500631	0.02488044	0.721812	1.53237356	0.18481227	0.01043121	0.19121493
0.00086572	0.53132299	0.11943684	0	0.00097413	0.03846326	0.00408395	0.02715032	0.23184434
0.01007392	1.18908858	0.04474595	0.00124401	0.00134071	0.1001191	0.01563115	0.0490086	0.56366974
0.00965883	1.24430463	0.03027264	0	0.00125621	0.11507843	0.02813821	0.01554417	0.59348686
0.00106566	0.25160806	0.0549401	0.0011417	0.00470215	0.17737964	0.00723603	0.01379099	0.68510431
0.00049533	0.02864972	0.02469322	0	0	0.00020943	0.00017933	0.01574619	0.00230173
0.01774367	0.12631511	0.02045321	0.00727977	0.07863167	0.16180529	0.20583928	0.01750459	0.35418553
0.0009156	0.48884554	0.10503975	0.00092647	0.00098798	0.04074828	0.00587963	0.02692449	0.5177691
0.00197045	0.27157094	0.03841018	0.00110906	0.0011849	0.10518012	0.03045254	0.06932497	0.8001321
0.13071173	0.12873301	0.00741409	0	0.00288114	0.00337094	0.10722135	0.0049544	0.23300506
0.00257409	0.11881218	0.01811064	0.00564926	0.03277588	0.32432055	0.03681801	0.04547549	1.59398914
0.02782849	0.29818528	0.0208974	0.00117978	0.00257251	0.0704286	0.04922991	0.03214886	0.5663821
0.0009461	0.36741196	0.11400035	0.00100586	0.00106173	0.04477971	0.00359741	0.02978837	0.2441605
0.00946539	0.21446975	0.02132957	0.00267094	0.02162527	0.11375399	0.04647066	0.03474107	0.98081007
0.00064404	0.22766576	0.19897166	0	0	0.02164084	0.00494949	0.10957061	0.29874663
0.00860754	0.30487312	0.03892355	0.00140003	0.00449425	0.14684813	0.03489025	0.04559853	1.11081857
0.02558247	0.56573543	0.02089747	0.00112386	0.00245364	0.0765458	0.08674762	0.00912737	0.69038887
0.00883754	0.20296011	0.03118623	0.00293797	0.00768879	0.1917222	0.0606646	0.03603044	1.37551778
0.04629182	0.19274364	0.01584208	0.00161429	0.00584158	0.04720019	0.0912294	0.01789759	0.48004527
0.00422164	0.08444137	0.02672952	0.03360787	0.06423978	0.36076471	0.05859019	0.05157597	0.19689266
0.00073488	0.17806333	0.04270839	0.00158259	0.01323706	0.20438999	0.01119277	0.00868547	0.61947312
0.00862299	1.22353081	0.04720531	0	0.00124154	0.10551697	0.01267321	0.04804033	0.49782944
0.03356038	0.49196535	0.02483641	0.00147082	0.00315414	0.09031191	0.09636399	0.03888082	0.89288133
0.00103631	0.14118149	0.03723504	0.00110932	0.00785578	0.27840415	0.00999676	0.00819286	1.08122064
0.00085275	0.27443909	0.05400811	0.0008845	0.00090477	0.04712291	0.00249181	0.01187408	0.18252525
0.01544335	0.09422723	0.02132378	0.02029094	0.91442948	0.8497451	0.16237271	0.00627855	0.19097175
0.00090563	0.05011192	0.01047396	0.00194139	0.01562222	0.52922235	0.00789893	0.01526041	2.57782776
0.00057223	0.22651514	0.04016801	0.00065048	0.00066839	0.04018831	0.00243279	0.00862837	0.20130862
0.01808489	0.18826351	0.03824071	0.00886663	0.15135046	0.24392311	0.17265191	0.05792013	0.32327188
0.02946199	0.21096115	0.01876628	0.00970706	0.02770055	0.22552692	0.28617893	0.01696122	0.49059085
0.00184629	0.04335325	0.00984795	0.00203456	0.01372926	0.32774939	0.03840295	0.0200124	1.61583851
0.01167243	0.14759872	0.02861503	0.01373441	0.39880754	0.97990549	0.11631582	0.05003319	0.23185206
0.00082588	0.38571699	0.0892765	0.00088291	0.00185151	0.04716983	0.0069354	0.02162441	0.40002608
0.00098735	0.63440304	0.12305648	0.00100671	0.00109216	0.04100878	0.00446427	0.02519234	0.26697101
0.00774868	0.33047724	0.01992164	0.00150138	0.00154185	0.105918	0.08251204	0.04355895	1.13524689

0.00277262	0.22042713	0.03173627	0.00097092	0.00104762	0.15254769	0.01261968	0.00876222	0.55575833
0.00214273	0.3534341	0.04216251	0.00120275	0.00128663	0.11509916	0.02880512	0.04736134	0.99114872
0.00076602	0.10869634	0.02511851	0.00084663	0.00885872	0.23863225	0.0110318	0.02460669	1.14184219
0.00455245	0.05056326	0.01410531	0.04179932	0.20648589	2.66635533	0.04116235	0.00983286	0.13319408
0.00157274	0.36632202	0.04914297	0.00083797	0.00088379	0.12370817	0.0050268	0.03498129	0.46263072
0.00106995	0.04741803	0.0126516	0.01635532	0.0140449	0.60016321	0.01473067	0.05301141	0.16667597
0.00787842	0.18803181	0.01913635	0.00254793	0.01976867	0.11242871	0.0336944	0.03313525	0.87915198
0.01276564	0.28079759	0.0323159	0.01507245	0.071269	0.24025762	0.11817627	0.02307147	0.51855501
0.00146654	0.30196394	0.23933215	0	0	0.01858471	0.003515	0.10193183	0.2147623
0.00207147	0.27063477	0.04038664	0.00116547	0.00124508	0.1032062	0.03307355	0.07399971	0.83356612
0.00811831	0.1468986	0.01969319	0.0011397	0.00940271	0.184304	0.02261624	0.02591442	2.19134773
0.00180581	0.50122585	0.08423386	0.00101094	0.00107025	0.08108098	0.00593544	0.08064981	0.40065376
0.01945208	0.13321376	0.02412777	0.01003059	0.31539801	0.21032503	0.23296146	0.01605271	0.32810458
0.0048697	0.29923209	0.03896139	0.00137802	0.00286941	0.15258976	0.03418694	0.04369541	1.07245477
0.01551285	0.09485734	0.02144438	0.02277956	0.92790389	0.86672342	0.16428438	0.00630873	0.19327074
0.0005142	0.31364074	0.13673627	0.00052965	0.00055882	0.01225385	0.00324515	0.03200217	0.154559
0.00392181	0.12713232	0.01134729	0.00249779	0.01278072	0.21297703	0.04352061	0.01951178	1.27278612
0.01095342	0.76401432	0.0509086	0	0.00118448	0.09954043	0.01182601	0.09532996	0.45211378
0.00092737	0.0439908	0.01193878	0.00101254	0.00543899	0.72372578	0.00617533	0.04041567	0.73465936
0.00251978	0.26304049	0.02383072	0.00410065	0.03606427	0.55865859	0.02910247	0.05316456	1.21309397
0.02232131	0.1984402	0.02392482	0.00716437	0.03823968	0.34308794	0.23767466	0.03904612	0.92122057
0.0089889	1.24990879	0.0521823	0	0.0013191	0.10875135	0.01334848	0.05326878	0.51386355
0.00801729	1.1369478	0.0439019	0	0.00115828	0.09807414	0.01178567	0.04470022	0.46223687
0.0018574	0.11390993	0.01547941	0.00417312	0.01214756	0.16100564	0.01850223	0.04238257	1.01119187
0.09386759	0.23031134	0.01022706	0.00077933	0.00166363	0.02823846	0.03498666	0.00410018	0.30650376
0.00186269	0.39160624	0.10401121	0.00096668	0.00301247	0.0627263	0.01180469	0.02630056	0.51484389
0.00073618	0.44485574	0.13983138	0.0007855	0.00082987	0.0233351	0.00393422	0.03052688	0.20366507
0.02612554	0.05816554	0.00689303	0	0.00116758	0.00106081	0.24866071	0.00458087	0.06359678
0.08227707	0.22971069	0.01547637	0	0.00078828	0.00178736	0.03700315	0.00352905	0.14074063
0.01223658	0.08848888	0.02106388	0.01318077	0.06921375	0.43473804	0.12342335	0.04595377	0.18917899
0.00443852	0.15106479	0.02668799	0.00101006	0.01267361	0.22715559	0.02671273	0.02768198	1.18124447
0.00088619	0.42568073	0.1288176	0	0.00100339	0.03722435	0.00415126	0.03028993	0.24023596
0.00052406	0.33410194	0.07822058	0.00057094	0.00060087	0.01913058	0.00241417	0.01576443	0.13835305
0.01365416	0.30224829	0.04354779	0.0015196	0.00967803	0.12847996	0.0456398	0.0401165	1.45985256
0.00107807	0.19547	0.03803638	0.00117139	0.00491239	0.35518956	0.00917481	0.01164741	1.29649864
0.00078493	0.18830118	0.04198188	0.00080955	0.00261247	0.11783887	0.00492035	0.01022929	0.47557852
0.1031801	0.04070981	0.00272184	0.00073985	0.00305429	0.00469796	0.14122892	0.00408794	0.13635008
0.00197692	0.07661914	0.0132766	0.00221683	0.01084215	0.39663532	0.03533389	0.02205093	1.82579107
0.02571439	0.19063985	0.03693994	0.007755	0.05371195	0.12127499	0.26910385	0.01383611	0.41204718
0.00086458	0.03536304	0.00852736	0.00090684	0.00443572	1.37472398	0.00417529	0.02577132	0.61111732
0.06902628	0.40814552	0.01974195	0.00085869	0.00179716	0.01628304	0.05906369	0.00523896	0.33039879
0.00171531	0.05468133	0.0092233	0.00189224	0.01194866	0.24196061	0.033832	0.02527583	1.57812717
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0.0016404	0.43772838	0.21075096	0	0	0.02788609	0.00394644	0.14240705	0.29137862
0.03368338	0.48844082	0.02431181	0.00135755	0.00292424	0.08528474	0.09254101	0.03719677	0.84053897
0.01857456	0.37067983	0.02641932	0.00180045	0.00189888	0.09019977	0.08545525	0.05778288	1.15438816
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0.0087997	0.66617907	0.03733156	0.00105031	0.00113305	0.11044356	0.01231731	0.01576699	0.43459481
0.0165788	0.22619455	0.01523926	0.01266341	0.04851087	0.23945767	0.19785909	0.01638037	0.52653833
0.01414829	0.12598025	0.03305563	0.00703356	0.4797735	0.74349607	0.12594644	0.05785118	0.28022674
0.00851099	0.14864647	0.02931181	0.03894342	0.19715444	1.78442168	0.10630902	0.01365645	0.30038
0.00145551	0.09876363	0.01907026	0.00081742	0.00087467	0.08671239	0.02647277	0.0391821	0.62496171
0.00094305	0.30163416	0.05943725	0.00097825	0.00100073	0.05175648	0.00273694	0.01304045	0.20027154
0.00172999	0.21820329	0.04858248	0.00081547	0.00262228	0.1016318	0.0121219	0.01340691	0.47094406
0.00104025	0.13811007	0.01606356	0.00469142	0.02647524	0.20030212	0.02927296	0.04720731	0.99472185
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0.02701331	0.8130964	0.03248377	0.00146787	0.00309601	0.06000222	0.07267381	0.01648933	0.52650477
0.02756237	0.26992896	0.03610953	0.00883069	0.07761691	0.1787537	0.2628477	0.01715079	0.4759699
0.02328515	0.18084281	0.02812091	0.00722114	0.16080547	0.21527105	0.25856961	0.02196165	0.48050032
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0.02791264	0.65330555	0.02023476	0.00134725	0.00285318	0.0728304	0.06449515	0.01378309	0.45319654
0.00983561	0.24438222	0.03204332	0.00292059	0.0283634	0.35695963	0.06202662	0.03114206	1.45379436
0.04355169	0.08151287	0.00796198	0.00085229	0.00966531	0.01270605	0.24158083	0.00398651	0.2097611
0.0125079	0.13130746	0.02147247	0.00540229	0.22043854	1.7726618	0.11212943	0.02080963	0.22471444
0.00277611	0.76197509	0.12220773	0.00097377	0.00109421	0.03692833	0.00924421	0.06295708	0.22049235
0.0217459	0.1518865	0.02689366	0.01742568	0.39157317	0.2588228	0.25924313	0.02148318	0.33220704
0.00083568	0.32733778	0.06263203	0.00090135	0.00938735	0.16041031	0.01203613	0.01325479	0.44902929
0.00081648	0.5211105	0.12591814	0.00084738	0.00093923	0.0284294	0.00376447	0.02541879	0.21547454
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0.0762001	0.39877226	0.01724555	0.00099815	0.00209953	0.02973068	0.05309301	0.00704581	0.50962296
0.0618804	0.29451186	0.01968601	0.00083873	0.0017935	0.03750804	0.05259214	0.01169293	0.37399689
0.15422538	0.07422661	0.00590275	0.00080404	0.00253641	0.00246228	0.08990965	0.0051765	0.20211141
0.00159314	0.58507547	0.17707832	0.00078417	0.00082775	0.02423868	0.00419468	0.03898506	0.23871552
0.01505172	0.23851119	0.03808814	0.0135446	0.04879504	0.25135006	0.13188093	0.02733535	0.59206682
0.01833118	0.42582306	0.04020564	0.00172121	0.00373941	0.11595584	0.06150358	0.04990429	1.08834017
0.00095517	0.51493342	0.07665622	0.00101493	0.00105309	0.06841246	0.00363988	0.01673458	0.28092155
0.01230264	0.7067753	0.05017097	0.00081106	0.00086456	0.02303107	0.01887423	0.01633505	0.18715991
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0.0034079	0.08838987	0.01899756	0.02050616	0.39320966	0.88747839	0.03783344	0.03763785	0.20153796
0.00993365	0.33850823	0.04507547	0.00140423	0.00292886	0.11526251	0.03689525	0.04887427	0.9133451
0.0008661	0.12801733	0.03016136	0.00094752	0.00494255	0.31985769	0.00833765	0.00865234	1.14086445
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0.10749466	0.21481627	0.01071497	0.00078532	0.00081783	0.00185368	0.02418854	0.00433545	0.1642656

0.00101793	0.05795795	0.01255538	0.00110958	0.00996925	0.20847357	0.00869973	0.01608133	0.79621339
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0.00094707	0.19376248	0.03841411	0.00103975	0.00325445	0.27044738	0.0072453	0.00942339	0.97030048
0.14212476	0.35756815	0.01666044	0.0009032	0.00096384	0.01375648	0.03771045	0.0071508	0.28193421
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0.06983422	0.19475696	0.01720157	0.00168643	0.00523227	0.04020789	0.05253028	0.01933975	0.4303124
0.00525946	0.13215434	0.02788159	0.03734879	0.09473172	0.59151181	0.06484886	0.00734436	0.18551279
0.00984046	0.48173529	0.0233011	0.00126828	0.00136128	0.07242391	0.09035782	0.01474214	0.69537822
0.07150115	0.66287191	0.02708779	0.0014117	0.00151847	0.08091283	0.09721939	0.01505295	0.67186158
0.02210125	0.27494985	0.02158719	0.0086707	0.0387855	0.24513113	0.28066681	0.01866917	0.43125589
0.13077315	0.15955613	0.02362872	0.00090977	0.00193637	0.03842403	0.04707404	0.01265961	0.30655042
0.00074472	0.40956041	0.0552011	0.00084251	0.00086796	0.06151241	0.00298389	0.013022	0.26594191
0.03121606	0.27218665	0.04066967	0.00821783	0.05527063	0.09839388	0.32065629	0.01769328	0.33694849
0.01615667	0.2557943	0.02114997	0.02350503	0.12229032	0.25381149	0.15883035	0.02651718	0.50807575
0.01359634	0.30073242	0.03439414	0.01140169	0.03588422	0.22245808	0.11851044	0.02472169	0.54069227
0.01234617	0.2096798	0.01868935	0.01260106	0.08308688	0.20775589	0.13215941	0.02250391	0.50733726
0.00847507	0.18015516	0.02603219	0.00244637	0.02138709	0.24934157	0.05650355	0.02042488	1.12381366
0.02017784	0.12918563	0.01782424	0.00301333	0.00037121	0.0895841	0.18423127	0.00576622	0.34808236
0.01354307	0.23048777	0.01992478	0.01277139	0.07475639	0.25433386	0.1348155	0.02457538	0.64005289
0.00606872	0.09699152	0.01951771	0.01965897	0.06301608	0.21615018	0.06575834	0.04560037	0.1842972
0.00358884	0.79030226	0.03001669	0	0.00108417	0.07910082	0.01992256	0.0311388	0.49322165
0.05780441	0.08362542	0.00745122	0.00088884	0.00647502	0.01074109	0.19284521	0.00414804	0.24022026
0.00325429	0.29226257	0.04287714	0.00123582	0.00129726	0.08186036	0.03334587	0.07570992	0.82787292
0.00092717	0.15703423	0.03387314	0.00101002	0.00533767	0.31966084	0.00881743	0.01008614	1.17573177
0.00079528	0.39181514	0.05968647	0.00084551	0.000884	0.06232458	0.0104529	0.01392258	0.32454173
0.01621329	0.11578843	0.02219227	0.01443757	0.31937573	0.26746672	0.18450601	0.0159253	0.24517439
0.02629701	0.45359648	0.02169062	0.00118923	0.0024556	0.04473628	0.04803679	0.02886892	0.6707029
0.01206318	0.18025776	0.02124554	0.00089517	0.00665762	0.10620893	0.0206351	0.02317336	0.72013199
0.01235782	0.27331707	0.03988374	0.00138015	0.00886972	0.117817	0.04134723	0.03634205	1.37183277
0.03266893	0.39507541	0.02840115	0.00136072	0.00141193	0.0703222	0.053495	0.03644731	0.65512272
0.00086674	0.11346821	0.017659	0.00192232	0.00492596	0.25610229	0.00839585	0.02700101	1.50356114
0.00875625	0.19677852	0.02732309	0.00260991	0.0236322	0.27686022	0.05863303	0.02299451	1.16937577
0.00205185	0.1998583	0.03124756	0.00118058	0.00246565	0.13367655	0.02996882	0.03589583	1.02449954
0.03947894	0.08756173	0.01204007	0	0.0011617	0.00095591	0.23308468	0.00657353	0.07832691
0.03128374	0.74470524	0.02211603	0.00142322	0.00311116	0.07878735	0.07077905	0.01507269	0.50843502
0.00580575	0.15648969	0.03457927	0.04351358	0.06283201	0.41650726	0.05862438	0.06783069	0.26417138
0.00189385	0.47703152	0.14512689	0.00097238	0.00105519	0.04143882	0.01123209	0.03169055	0.340136
0.00084541	0.46567927	0.06230442	0.00089709	0.00475029	0.09999937	0.0063795	0.01322012	0.4504859
0.00866193	0.11344222	0.01832607	0.01985662	0.07384692	0.36351065	0.09348759	0.04447013	0.21579741
0.00059411	0.11100739	0.04579904	0.00069604	0.01054732	0.16716933	0.01617954	0.00968657	0.43783926
0.00097594	0.13327954	0.03515989	0.00104467	0.00741784	0.26281159	0.00942811	0.0077355	1.02067796
0.00139887	0.37466096	0.18038775	0	0	0.02386276	0.00337854	0.12188001	0.24939705
0.01137169	0.13603823	0.02866847	0.01824092	0.06789602	0.41601798	0.11910495	0.04816992	0.19572351

0.01698838	0.15978483	0.02713076	0.01459469	0.31635181	0.21142675	0.19094166	0.03170514	0.27701915
0.00079589	0.32130897	0.04125266	0.00079832	0.00083847	0.13095061	0.00554627	0.01572985	0.5345997
0.01584424	0.25081514	0.02073378	0.02287739	0.11861948	0.24766627	0.15548199	0.02600099	0.4975314
0.1071912	0.65653201	0.02241074	0.00141247	0.00308879	0.07650953	0.1090364	0.01379624	0.64675582
0.10899808	0.21090262	0.01005457	0	0.00085614	0.00200569	0.03590707	0.00388953	0.15279805
0.11174167	0.2967288	0.02808585	0.00252583	0.00245014	0.01406154	0.01527641	0.02759574	0.24555193
0.00636154	0.10170652	0.02046694	0.02066896	0.06612049	0.22675862	0.06895473	0.04782003	0.19330497
0.10809743	0.21554199	0.01449395	0.00065291	0.00070162	0.01046245	0.02471706	0.00726068	0.17908558
0.03309604	0.47093812	0.02468764	0.00137998	0.00295971	0.08587269	0.09178972	0.03670289	0.84653791
0.0074385	0.20163128	0.01716635	0.00358336	0.01823903	0.1116803	0.03731708	0.0388197	1.25997302
0.02283919	0.17035466	0.01810641	0.00186935	0.00788397	0.05133892	0.11476644	0.02039653	0.51558644
0.00069344	0.27003374	0.04802248	0.00081822	0.00084655	0.05732828	0.0030481	0.01085924	0.26037254
0.00493147	0.48343815	0.04181728	0	0	0.0431446	0.00914108	0.01039706	0.30373392
0.02246999	0.17454897	0.0271481	0.00712457	0.15579713	0.20856283	0.24959149	0.02119623	0.46340356
0.00013086	0.0129088	0.01895437	0	0	0.00043465	0.00012495	0.02534257	0.00531618
0.000414	0.05894951	0.0133383	0.00881206	0.02125141	0.20027099	0.01042645	0.03537493	0.15447386
0.10024683	0.2138241	0.01012959	0.00084943	0.00086196	0.00200081	0.03645768	0.00390803	0.15375197
0.10788283	0.20388815	0.01029481	0	0.00079941	0.00172897	0.02157722	0.00346681	0.13785382
0.0713893	0.69954113	0.02385059	0.00134995	0.00446002	0.0886168	0.10747296	0.0108724	0.67743423
0.03905481	0.04592875	0.00704904	0	0.00185244	0.00062052	0.23040541	0.00471167	0.05280842
0.02455961	0.1824242	0.0357214	0.00642621	0.04021784	0.10564352	0.24746911	0.01366077	0.39343597
0.00047314	0.13366104	0.15150834	0	0.00053258	0.01004537	0.00486164	0.16999402	0.18560317
0.10274465	0.23236892	0.01604529	0.00076434	0.0008139	0.02348075	0.02609415	0.00736153	0.30846311
0.00061392	0.16835494	0.28006573	0	0	0.01341859	0.00472499	0.183544	0.25090641
0.06490292	0.37558848	0.02596196	0.00101133	0.00098103	0.03333279	0.03417304	0.02094572	0.44467569
0.01269912	0.18986152	0.02238305	0.00095109	0.00701402	0.11186273	0.0217309	0.02440245	0.7586045
0.11758879	0.25144166	0.01797013	0.00072044	0.00077359	0.01394182	0.0263544	0.00931952	0.21871695
0.69530383	0.12327493	0.0161326	0.00100073	0.00105992	0.03462324	0.06697301	0.00899458	0.40689952
0.03500779	0.23032942	0.02247023	0.00160569	0.00332332	0.03536749	0.09309845	0.02079073	0.4587021
0.04895694	0.05586332	0.0085586	0	0.00250046	0.00086097	0.32917767	0.00535881	0.07327731
0.00350402	0.26876056	0.07112971	0.00093455	0.00590425	0.0827867	0.01799032	0.04256409	0.53449494
0.00099746	0.64106335	0.1240924	0.00102901	0.00110432	0.04150193	0.00452066	0.0254894	0.26994503
0.11197445	0.38555034	0.02013717	0.00105568	0.00111738	0.04898418	0.05298752	0.01105785	0.3587383
0.02070485	0.15451783	0.02384114	0.00756401	0.09993185	0.16996386	0.23273957	0.01858836	0.39251224
0.00156995	0.41937934	0.20191952	0	0	0.02671595	0.0037828	0.13643281	0.27915801
0.00958602	0.57448747	0.09632349	0.00082278	0.00087729	0.02246153	0.02614861	0.0188404	0.22785304
0.01149483	0.25291378	0.02912804	0.01830134	0.04185963	0.22312016	0.12330876	0.02182921	0.48333603
0.00599658	0.15608046	0.02028486	0.00100767	0.00634233	0.16034614	0.028483	0.02680957	0.86755772
0.1350547	0.13301625	0.00766189	0	0.00297334	0.00348438	0.11078386	0.00511326	0.2407486
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0.02883283	0.18731015	0.03258486	0.0073774	0.04384406	0.17594539	0.2803198	0.02509625	0.48942904
0.09852532	0.20422827	0.00976229	0	0.00083938	0.0019249	0.04700094	0.00376886	0.14447879
0.00042314	0.24057816	0.08819441	0.00041564	0.00043658	0.01054271	0.00220873	0.03264094	0.12469868
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0.2879134	0.1860161	0.01399526	0.00094155	0.00191713	0.04585695	0.08287812	0.00754391	0.32711205
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0.13644038	0.41632667	0.02551643	0.00266228	0.00261796	0.01768639	0.02195115	0.02752985	0.32864633
0.00785964	0.83370272	0.05408912	0	0.00081826	0.02815797	0.02506212	0.00774434	0.310445
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0.01128007	0.61738891	0.02427912	0.00110067	0.00114634	0.06033494	0.04393945	0.01322444	0.42737246
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0.00365001	0.31166139	0.03441798	0.00079497	0.00083903	0.12086379	0.00478519	0.01767221	0.45943344
0.04704999	0.53592647	0.03032419	0.00208664	0.00325579	0.02869528	0.02532045	0.02806632	0.56916181
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0.00066463	0.11706292	0.04891155	0.00076165	0.0115235	0.16723815	0.01750839	0.01048097	0.47520834
0.00070464	0.02345501	0.00628164	0.00218819	0.00671387	1.62022323	0.00136474	0.01976696	0.30678077
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0.00438365	0.12485806	0.02771497	0.02972388	0.06344474	0.36684331	0.04816997	0.05350305	0.20228621
0.01540722	0.11720946	0.02307214	0.01140246	0.03839708	0.28332322	0.17400156	0.01198113	0.31155445
0.27334756	0.24868913	0.00988726	0	0.00181403	0.00298988	0.0895684	0.00762596	0.1349107
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0.00065471	0.25929719	0.06043071	0.00068738	0.0007211	0.04077503	0.002384	0.01657705	0.21109533
0.00110058	0.15379968	0.01812501	0.00496994	0.02813084	0.21322154	0.03437351	0.0535209	1.18488468
0.07810373	0.1512026	0.00741977	0	0.00072158	0.00179435	0.0439787	0.0033752	0.10484967
0.01623909	0.07397831	0.02109782	0.00922285	0.04778217	0.41570814	0.15352696	0.05605438	0.35252072
0.00486978	0.66106459	0.0547355	0	0.00069854	0.04163771	0.01013508	0.0140214	0.28098943
0.75885626	0.18333607	0.01456808	0.00080429	0.00086558	0.02485502	0.01965853	0.00556768	0.19330382
0.07371756	0.21827401	0.02327229	0.00081379	0.00347576	0.01067894	0.17338022	0.02184212	0.17394311
0.04123661	0.45474913	0.01302588	0.00114376	0.00378295	0.06900548	0.08457766	0.01120898	0.58693927
0.00558253	0.10055027	0.02961222	0.03946712	0.1004206	0.6276805	0.08544346	0.00780023	0.19691887
0.00296736	0.08234519	0.01516556	0.02792269	0.10768101	0.8453495	0.03073356	0.05060658	0.31998925
0.00064379	0.59320123	0.41468853	0	0	0.01845827	0.01168867	0.0576295	0.27578691
0.06126354	0.65776727	0.02953503	0.00122389	0.00131432	0.06222049	0.08436969	0.02592003	0.59981961
0.0009688	0.04996122	0.01862125	0.01641417	0.01280889	0.31233612	0.00586647	0.01488165	0.11697684
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0.02992508	0.33601933	0.04532261	0.00802601	0.02903995	0.14299225	0.228356	0.02415022	0.45824561
0.00690445	0.61002168	0.08540236	0	0.0007365	0.01857315	0.01349948	0.01232069	0.18086092
0.00902541	0.28594424	0.02983801	0.00614736	0.03170929	0.14941661	0.04604832	0.02138463	0.57055537
0.02000824	0.5624525	0.0260842	0.00091082	0.00193966	0.04173857	0.04858654	0.00789787	0.29098589
0.07591673	0.18924911	0.01225198	0.00123354	0.02330612	0.03940136	0.62044046	0.00785847	0.42830809
0.13077805	0.16985127	0.00760849	0.00084813	0.00623511	0.02025304	0.1279684	0.00457524	0.44144679
0.08947162	0.59929088	0.02517589	0.00134999	0.00292325	0.03385866	0.05269198	0.01725741	0.1916011
0.07218444	0.20316594	0.02219136	0.00118184	0.01595123	0.04679639	0.47789184	0.01509783	0.45522145
0.00061588	0.38376935	0.16774457	0	0	0.01749675	0.01570729	0.03723186	0.23213014
0.21286472	0.40478833	0.02340728	0.00114991	0.00244073	0.03723235	0.04669316	0.01631763	0.30827952
0.05999244	0.11343469	0.01560479	0.00089681	0.00531682	0.02244901	0.54780189	0.00788843	0.30703233
0.00680805	0.0392476	0.00442569	0.07909096	0.03105659	0.1403437	0.04602265	0.00523762	0.13221013
0.00534348	0.5521668	0.08194775	0	0.00068653	0.01643082	0.01010848	0.01465691	0.17920139
0.12784739	0.33953692	0.03212781	0.00289136	0.0027971	0.01608849	0.01747638	0.03157342	0.28092317
0.01313057	0.26431561	0.02554735	0.00111321	0.01370207	0.13432022	0.03468674	0.02085721	0.85287893
0.04617124	0.05074852	0.0090628	0	0.00239089	0.00077928	0.33309408	0.00504626	0.06935192
0.1037016	0.43926148	0.01917645	0.00097443	0.00103579	0.01926353	0.04421215	0.00803767	0.44796098
0.00804452	0.10800912	0.02416066	0.02746172	0.06583441	0.27238981	0.08223273	0.05345498	0.18468684
0.01831758	0.58539383	0.02762024	0.00092662	0.00097057	0.03468612	0.03045287	0.0103679	0.228077
0.05953545	0.28117705	0.02158239	0.00334952	0.00578004	0.04236413	0.19796121	0.01751998	0.56796617
0.05138925	0.08411869	0.00832343	0.0009018	0.00837602	0.01142707	0.22234667	0.0041671	0.23128094
0.04260368	0.27004408	0.03180056	0.00211146	0.0100815	0.04459315	0.40196607	0.01820528	0.32423504
0.0559928	0.1822531	0.02305691	0.0011791	0.02820687	0.03846998	1.03453635	0.01802383	0.29306818
0.00750688	1.01809689	0.04880394	0	0	0.03703833	0.01282856	0.02019088	0.31250992

0.02949179	0.00732584	0.00175454	0.00097471	0.00102448	0.00359718	0.00847541	0.00088371	0.01255133
0.00329886	0.57477321	0.08594677	0	0.0007644	0.01833072	0.01607172	0.01163338	0.21069105
0.00666581	0.11069859	0.03531937	0.02293263	0.13269745	0.71107961	0.09302536	0.06636659	0.22617708
0.00159265	0.62815106	0.13278371	0.00084741	0.00092769	0.02433913	0.00447914	0.03789481	0.2086738
0.03544755	0.28249657	0.0436348	0.00788448	0.03174063	0.10420439	0.32113865	0.01604659	0.36890122
0.03217501	0.06255268	0.00993658	0.00086756	0.01331392	0.01468584	0.68666303	0.00771511	0.10496496
0.01157419	0.33513495	0.0338468	0.00104639	0.00985327	0.07241133	0.15938101	0.03236621	1.04077604
0.00558866	0.85174734	0.12222	0	0	0.03164227	0.01051808	0.02444793	0.26637758
0.000453	0.12771472	0.14601804	0	0.0005099	0.00959563	0.00464073	0.162412	0.17735282
0.06514383	0.12428801	0.01513269	0.00111059	0.02148077	0.03975041	0.60248132	0.01018813	0.43219125
0.44091324	0.06985285	0.00874948	0.00112459	0.00718558	0.03601764	0.10881634	0.01365071	0.53052591
0.00057453	0.28670292	0.25579773	0	0	0.01043687	0.00689268	0.03884972	0.23381506
0.00040207	0.1550527	1.94305504	0	0	0.00466362	0.00500335	0.02852169	0.0895546
0.04937115	0.38217379	0.03951549	0.00430713	0.02284932	0.05686042	0.43684765	0.02444777	0.24102549
0.03129535	0.00776951	0.00186358	0.00102946	0.00108203	0.00382457	0.0089914	0.00093335	0.01332066
0.01335477	0.19434365	0.02526504	0.00342644	0.0834129	0.12975914	0.28217242	0.00819318	0.39338756
0.01610146	0.13804978	0.03191684	0.01151732	0.21454417	0.30591329	0.19340162	0.04496794	0.30586085
0.00245145	0.06386184	0.01336266	0.02668319	0.01845182	0.10349404	0.00942488	0.02606351	0.14306152
0.0533482	0.42695225	0.042335	0.00460783	0.02313001	0.07219939	0.38699638	0.02739684	0.27599822
0.00033219	0.11874287	0.09914718	0	0	0.00310858	0.00246043	0.18921292	0.08329878
0.20283252	0.12936904	0.01987245	0.00083923	0.00180721	0.03015518	0.07623256	0.01107851	0.26878849
0.05834223	0.09010758	0.00895593	0.00258894	0.00342191	0.01548294	0.11006588	0.00408008	0.08070271
0.01040219	0.04957213	0.0117837	0.08815924	0.03978825	0.21149553	0.07330587	0.00676676	0.15196912
0.00252827	0.25355135	0.09166415	0	0	0.01510146	0.0037429	0.07879107	0.20612376
0.05376821	0.24693175	0.01624572	0.0018068	0.00642406	0.05223426	0.04801078	0.01737079	0.57202753
0.00279283	0.05442681	0.01555086	0.01690601	0.32207814	0.72699225	0.03097497	0.03080125	0.16507957
0.06290765	0.072992	0.00670793	0.00091052	0.00857891	0.01125312	0.22100669	0.00420362	0.20657799
1.1154843	0.31373613	0.02259937	0.00445464	0.01247828	0.08090553	0.09204212	0.01201519	0.63587806
0.00234228	0.04486799	0.01839416	0.05846216	0.03324346	0.27723507	0.02579877	0.07119624	0.28169142
0.00871251	0.17999992	0.02577717	0.00228096	0.01853805	0.20759415	0.06016424	0.01999768	0.96559081
0.00034217	0.09742664	0.131961	0	0	0.00270112	0.00223297	0.13213732	0.07293384
0.00253402	0.72796839	0.31765854	0	0.00100032	0.02431009	0.02560561	0.02388475	0.28751831
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0.01855506	0.12975464	0.02126873	0.00718602	0.06965557	0.14751748	0.2082512	0.01754909	0.34607595
0.00684656	0.06800164	0.01474129	0.08668632	0.04054884	0.18530785	0.05856778	0.06189764	0.18655167
0.01460266	0.00433464	0.00154991	0	0.00113469	0.00036116	0.0048458	0.00077387	0.01469385
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0.38640856	0.03163096	0.00409125	0.00120045	0.00774349	0.01730514	0.09046925	0.00513051	0.19987455
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0.04517447	0.31854661	0.01397439	0.00105999	0.00340351	0.03881432	0.06652886	0.03552981	0.40245693
0.13194293	0.0582328	0.00631688	0.00201623	0.0031973	0.02583053	0.01038869	0.00362076	0.1450686
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0.00468491	0.65505474	0.09831104	0	0.00069194	0.01576756	0.01802418	0.01556811	0.17644026
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0.01491594	0.47026543	0.03391925	0	0.00102641	0.00842727	0.01590681	0.01455648	0.18382411
0.0616384	0.19175403	0.02496563	0.00112838	0.02660121	0.06214662	0.63855427	0.01916883	0.28766489
0.02909045	0.24468141	0.03259388	0.00297161	0.06338651	0.06929516	0.32522087	0.01034887	0.37660652
0.48673875	0.04974837	0.00554386	0.00106078	0.00450294	0.02372921	0.13627295	0.00555644	0.38658848
0.29257215	0.04273777	0.00528687	0.00081157	0.00336751	0.02500031	0.11918585	0.00831785	0.56073683
0.02138387	0.26418917	0.03312244	0.00239167	0.00751829	0.05632602	0.15871166	0.02004104	0.81592033
0.02073636	0.06884226	0.01278021	0.00097984	0.00975962	0.00316009	1.28381939	0.00856886	0.13608169
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0.02236298	0.15986564	0.02457719	0.00678511	0.12921396	0.15571823	0.24342198	0.01927872	0.3950099
0.05074875	0.2853584	0.02244431	0.00168705	0.01069601	0.0412315	0.43022699	0.02010054	0.49239955
0.26172548	0.05297736	0.00368527	0	0.00450402	0.0044287	0.17521892	0.00591202	0.12674276
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0.04460082	0.43514728	0.020011	0.00099087	0.00320832	0.02391923	0.03514866	0.0083657	0.15145866
0.05372065	0.25723214	0.01982273	0.00162133	0.00599733	0.02521377	0.23743093	0.01354999	0.47802926
0.06121956	0.03538639	0.0055718	0.00171873	0.00536551	0.02261565	0.1716812	0.00398789	0.13947902
0.00055375	0.24755662	0.65537924	0	0.00062472	0.01217369	0.01012802	0.06889912	0.19307506
0.00743191	0.21231902	0.02794638	0.00092339	0.00975345	0.0913424	0.04600898	0.017793	0.68638562
0.05371146	0.04498932	0.00593505	0.00077658	0.00161891	0.01040901	0.09150717	0.00371232	0.0343583
0.07378708	0.16756926	0.01470696	0.00125068	0.02634253	0.04582702	0.69277901	0.01029216	0.5046026
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0.12944852	0.32823757	0.01093751	0.00111219	0.00466572	0.04821742	0.07659793	0.00598467	0.60559299
0.00585997	0.03375624	0.00380194	0.0697066	0.02671026	0.120718	0.03958501	0.00450356	0.19591622
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0.127266	0.29902606	0.0241548	0.00251962	0.00343054	0.01594335	0.02151837	0.02608472	0.26856217
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0.04154618	0.19116019	0.02145068	0.00113018	0.03131329	0.04970489	0.52732861	0.00822962	0.48230399
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0.00110806	0.48381773	0.4210431	0	0	0.00574442	0.004852	0.12713506	0.14600873
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0.08289794	0.28252097	0.02393797	0.00173097	0.0027313	0.00801271	0.11385075	0.0201811	0.13984743
0.01893814	0.04307402	0.0140435	0.00735373	0.02311296	0.87654663	0.16451773	0.03196057	0.50115302
0.08919717	0.02134585	0.00338823	0.00070566	0.00071014	0.00250801	0.05659389	0.00203428	0.00576272
0.03058949	0.72084641	0.07953196	0.00119608	0.00127605	0.02685607	0.0317812	0.03116982	0.2812741
0.00759186	0.67211153	0.05768858	0	0.00067502	0.02167202	0.01434317	0.00978441	0.22462243
0.00475714	0.06392777	0.01106091	0.27288201	0.03294097	0.10262675	0.03897663	0.0386357	0.13950416
0.00954374	0.04547805	0.01081493	0.08091468	0.05599761	0.19407614	0.06725134	0.00620205	0.1394558
0	-0.00328063	0.08076427	0	0	0	0	0.02011091	0
0.00633723	0.07767212	0.01379358	0.0727641	0.0400847	0.13094289	0.04705968	0.04790902	0.18831091
0.01158378	0.05523823	0.01312818	0.09828974	0.04435245	0.23574011	0.08168855	0.00753955	0.16938912
0.00137884	0.26148846	1.69250349	0	0	0.00689595	0.00689844	0.03263235	0.12322504

0.05934691	0.15591807	0.02070468	0.00120655	0.00928414	0.01234822	0.53981973	0.00734964	0.33481543
0.00237575	0.05695414	0.00986386	0.07717532	0.02424751	0.12295037	0.00770066	0.00756189	0.12952713
0.00041279	0.11820403	0.13167843	0	0	0.00349045	0.00264966	0.17810097	0.09053581
0.00046299	0.12844663	0.17435761	0	0	0.00331247	0.00259688	0.16604576	0.08770253
0.00180611	0.41047132	0.11992289	0	0	0.02168492	0.01071233	0.02297537	0.22343152
0.00057492	0.18768078	0.25528892	0	3.5162E-05	0.0081423	0.00524039	0.13967619	0.15472227
0.00060436	0.72893917	0.13368062	0	0.00066407	0.01834391	0.00968813	0.02483041	0.25729544
0.00182505	0.60343469	0.15423804	0	0	0.02113787	0.01076755	0.02652264	0.2413301
0.01064456	0.05076982	0.01207039	0.09031747	0.04075798	0.21663323	0.07507685	0.00692528	0.15565766
0.01274693	0.53721191	0.03463382	0.00072085	0.00074435	0.02069023	0.02310976	0.01187746	0.16537229
0.00044308	0.1605601	0.14590422	0	0	0.00342153	0.00285762	0.21997461	0.09080624
0.03220027	0.03887554	0.00498599	0	0.0086083	0.0042102	1.17312189	0.00500807	0.10269914
0.00110954	0.28318969	0.2068398	0.00060992	0.00190019	0.02060925	0.00606462	0.05783803	0.15817572
0.1113256	0.10231559	0.00417304	0.001938	0.01044331	0.04512245	0.1033586	0.00586534	0.36013644
0.00632832	0.10091229	0.02037916	0.02344239	0.06089862	0.22140361	0.06949566	0.04888195	0.19983695
0.00039258	0.10648289	0.10259236	0	0	0.00217357	0.00147062	0.12298654	0.06491959
0.00045233	0.1743338	2.18464031	0	0	0.00524768	0.00562392	0.03207447	0.13411087
0.00355409	0.08808124	0.02125012	0.05687639	0.02444738	0.15417929	0.01580701	0.02142458	0.16906925
0.23006941	0.05315064	0.00701927	0.00116185	0.00743461	0.03020895	0.23649845	0.01206404	0.52081183
0.00108133	0.04692895	0.01579485	0.13363918	0.02858348	0.19321991	0.01367359	0.04593156	0.15082732
0.19376711	0.07761953	0.01118935	0.0008372	0.00357744	0.03775493	0.08984694	0.01420621	0.36568977
0.04423416	0.05226847	0.00590771	0.00081075	0.00342082	0.0132947	0.18484583	0.00517299	0.07906247
0.03109547	0.10198788	0.01013838	0.00103058	0.01504473	0.02429095	2.05468508	0.00931454	0.10384169
0.00123089	0.52087644	0.16913256	0	0.00069498	0.01463821	0.01537981	0.01923846	0.20715372
0.002556	0.02601573	0.00507913	0.00998089	0.00534974	0.04868345	0.0160309	0.00619007	0.11569039
0.00041275	0.15410511	0.16975915	0	0	0.00286827	0.00226718	0.15580979	0.07736877
0.18402667	0.19641018	0.04050016	0.00108273	0.0044674	0.03759189	0.02275648	0.05780465	0.30926373
0.04578952	0.35407175	0.09582243	0.00111329	0.00118573	0.01921246	0.02121861	0.03775739	0.20767606
0.00122194	0.09069909	0.01616398	0.01209421	0.03941259	0.35440045	0.01607126	0.05644515	0.25572757
0.05571085	0.17297242	0.02508706	0.00108483	0.04222565	0.05621179	0.59194523	0.0195988	0.34945952
0.02945805	0.48286699	0.07658705	0.00115095	0.0012279	0.02586315	0.03060616	0.03002088	0.27084369
0.00195607	0.33118297	0.57626815	0	0.00055928	0.00899387	0.00911417	0.03988927	0.13380876
0.00126116	0.53498289	0.17368138	0	0.00071856	0.01503459	0.01579662	0.0197541	0.2127793
0.05736817	0.23568329	0.00515875	0.00096998	0.00418651	0.03772183	0.06134996	0.0051704	0.34938807
0.08214055	0.16401144	0.01736584	0.00156871	0.00328802	0.02245549	0.12058628	0.0169469	0.25247004
0.00058474	0.300679	0.08073198	0.00063957	0.00818789	0.06110862	0.00674013	0.04731617	0.34769671
0.00049382	0.18935764	0.31042092	0	0.00056621	0.00226628	0.0009065	0.17511611	0.05251213
0	-0.00300013	0.07422008	0	0	0	0	0.01848678	0
0.04084184	0.00910375	0.00261583	0.00096779	0.00203876	0.00495415	0.01091608	0.00174695	0.01419579
0.00125916	0.29150657	0.68845578	0	0.00046991	0.00673384	0.00724435	0.03292331	0.11301261
0.00045291	0.15364541	0.16822879	0	0	0.00318121	0.00250117	0.15955011	0.08443137
0.09941612	0.29018836	0.00796057	0.00231853	0.00996346	0.05574049	0.11368438	0.00997921	0.47827231
0.0022104	0.16852312	0.02259474	0.13634441	0.05963361	0.24452925	0.01890602	0.01023027	0.17655337
0.000575	0.28858284	0.47103063	0	0.00066981	0.00592872	0.00260824	0.03848206	0.06934856

0	0.00045587	0.00129884	0	0	2.7104E-05	6.7483E-05	0.00495365	0.00051774
0.09437492	0.06368057	0.00433589	0.00157336	0.01401807	0.01512498	0.26968215	0.00506776	0.09750206
0.00031061	0.01715119	0.01089772	0	0	-0.00011449	8.7412E-05	0.00762811	0.00112566
0.04660756	0.36040108	0.09753264	0.00112453	0.00119771	0.01955918	0.0215953	0.03843109	0.2113862
0.01939675	0.33278165	0.03138584	0.00099349	0.00634731	0.05787995	0.03201505	0.02763545	0.54544048
0.00315153	0.07982905	0.01541829	0.37235912	0.04323153	0.15580535	0.01638637	0.00739954	0.1810426
0.04011194	0.08954991	0.00768924	0	0.0132924	0.00805042	0.6260923	0.01006403	0.19657454
0.00054577	0.2628303	0.55368342	0	0.00065499	0.0026242	0.00143408	0.07352987	0.07329455
0.00422981	0.34624604	0.12122793	0	0.00055904	0.01251146	0.01601404	0.02224104	0.14652633
0.03299952	0.2139055	0.02934817	0.00108516	0.01665419	0.0309546	1.35792059	0.02279679	0.18513092
0.00036268	0.12036754	0.24885037	0	0	0.001721	0.00135805	0.1489697	0.03767308
0.03320143	0.09052057	0.00913916	0	0.01714283	0.01954003	1.10250027	0.00922773	0.13960748
0.05058959	0.03856474	0.00271785	0.00095017	0.00109717	0.00041466	0.00175754	0.00205397	-0.000627
0.00058515	0.336624	0.36852686	0	0.0006827	0.00385954	0.00105214	0.0723455	0.09885491
0.00115905	0.65179305	0.13888896	0	0	0.01823386	0.00957594	0.02431006	0.24072551
0	-0.00449937	0.07476852	0	0	0	0	0.01639177	0
0.0012208	0.52019015	0.16888758	0	0.00069499	0.01462221	0.01536077	0.01920869	0.20689511
0.00115332	0.02576428	0.00581071	0.00692618	0.00401935	0.05493393	0.00257073	0.00591481	0.05411531
0.00493596	0.07190961	0.01269102	0.20934557	0.04042023	0.12554467	0.04249794	0.04136396	0.16954079
0.00252718	0.08348321	0.01723139	0.57801975	0.03791443	0.14350015	0.02523013	0.00864144	0.14001323
0.07976959	0.22172102	0.01702691	0.00152884	0.00322068	0.02318354	0.13115878	0.0165264	0.2568955
0.04292605	0.10140858	0.01048334	0.00091836	0.00830922	0.00367801	0.84340344	0.00894952	0.1234744
0.00345304	0.46624733	0.13984526	0	0.00069175	0.01573806	0.01923343	0.0163215	0.18088834
0.00032232	0.10738864	0.20329675	0	0	0.00072989	0.00030638	0.18501945	0.01921392
0.00050415	0.18850098	0.2259061	0	0.00055952	0.00573979	0.0041854	0.08124518	0.11131096
0.03247366	0.73589855	0.08048478	0.00118568	0.00125953	0.02816648	0.03271091	0.03205511	0.31166722
0.01304948	0.11945777	0.0316996	0.02148167	0.0958417	0.43684176	0.13269503	0.0626981	0.2656598
0.00108976	0.47140374	0.15086275	0	0.00062548	0.01652602	0.01557755	0.01461573	0.21824474
0.00251901	0.02087506	0.00749796	0.07405906	0.01720292	0.07511728	0.02325297	0.02634049	0.05768258
0.0085957	0.06175438	0.01849861	0.00983769	0.02188383	0.18895343	0.05583704	0.02690504	0.14834536
0.07896131	0.06772715	0.00768791	0.00136656	0.01340415	0.03072958	0.12786218	0.00898023	0.17544759
0.00049479	0.02857699	0.01031243	0.01454086	0.01504545	0.46712836	0.00140445	0.01579451	0.15459732
0.00033295	0.07009476	0.08271981	0	0	0.00025689	0.00029375	0.51886955	0.00316954
0.00033805	0.00759826	0.07592548	0	0.00011162	0.00251242	0.00042018	0.03883974	0.01099627
0.00234355	0.19669912	0.03083499	0.06891283	0.06420929	0.24929556	0.02067953	0.01397633	0.17032087
0.0138476	0.0075808	0.00141967	0.0008308	0.0080631	0.01153351	0.10764742	0.00284707	0.04821135
0.00021047	0.03448954	0.01318606	0	0.00022977	0.00144544	0.00020725	0.11479086	0.01839791
0.00149563	0.08590783	0.01736597	0.12530838	0.03430997	0.17500344	0.02085133	0.00830729	0.15154668
0.00408304	0.06517001	0.01353177	0.05534209	0.02643173	0.16487657	0.01210247	0.01599932	0.13860188
0.00038292	0.17026503	0.27395814	0	0	0.00091481	0.00036288	0.18344643	0.01966876
6.7938E-05	0.00039436	0.00462174	0	0	0.00012115	8.2105E-05	0.00570256	0.00067182
0.04474137	0.02303363	0.00563904	0.00070343	0.01201641	0.02048359	0.13839579	0.00565064	0.05696522
0.00035868	0.02038208	0.16743125	0	0.00033373	0.00374135	0.00106234	0.15462616	0.02898026
0.00015819	0.00335257	0.0019552	0	0	0.00064056	0.00017064	0.03226764	0.00401048

0.01351882	0.01647298	0.00228821	0.0006666	0.00575232	0.00819284	0.08431409	0.00345128	0.04698543
0.00037268	0.14750212	0.25340807	0	0	0.00178028	0.00139795	0.118504	0.0459475
0.00026161	0.07004451	0.04267329	0	0.00030334	0.00230215	0.00052037	0.12125526	0.02912602
0.03703291	0.6188121	0.02805231	0	0.001137	0.01624349	0.02735844	0.03915299	0.14298591
0.06163698	0.07842242	0.006788	0.00113429	0.01210449	0.01681327	0.13749882	0.00778478	0.06631586
0.00029297	0.14130945	0.1056174	0	0.00034928	0.00257265	0.0005357	0.15664709	0.05573274
0.11345024	0.06489317	0.00988862	0	0.01408357	0.02028878	0.16666466	0.01188156	0.11117437
0.06300152	0.08353625	0.00617649	0.00077765	0.00817398	0.01301745	0.09088034	0.0068828	0.03792701
0.09479852	0.11273437	0.00768499	0	0.00330335	0.00391992	0.047072	0.00982251	0.0430419
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0.04041323	0.00844755	0.00167877	0.00096569	0.01396069	0.01990201	0.1405978	0.00294986	0.09432231
0.0994358	0.05727814	0.00846647	0.00063069	0.01199431	0.01845515	0.14517687	0.01074433	0.09776067
0.06331978	0.08293084	0.00560261	0.00081542	0.00792106	0.01106708	0.08150178	0.00704145	0.02789605
0.00046362	0.12244749	0.16971049	0	0.0005322	0.00214862	0.00043874	0.50108217	0.03268041
8.5714E-05	0.00464057	0.01735281	0	0	0.00019633	0.00011516	0.00793775	0.00051209
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0.0001762	0.00497649	0.04973036	0	0.00010428	0.00111206	0.00041582	0.02809237	0.00623167
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0.00956536	0.00529068	0.00109164	0.00066097	0.00571091	0.00714698	0.07774536	0.00219026	0.08968099
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0.00774198	0.23936371	0.0554494	0	0	0.00107969	0.00042868	0.02776926	0.01365016
0	0.12201076	0.19056637	0	0	0.00048651	0.00030467	0.1857249	0.01288776
0.06546882	0.1137524	0.01178419	0.00162322	0.00523314	0.00887851	0.07579525	0.01043147	0.08694311
0.00038297	0.01911701	0.00710545	0	0	0.00249111	0.00036257	0.70798059	0.03548979
0.00048363	0.01740569	0.00330097	0	0	0.00080421	0.00045868	0.19058505	0.01601215
0.04751905	0.04857194	0.00706077	0.00203347	0.01737576	0.02439752	0.16733941	0.00943369	0.12926425
0.00028322	0.13904873	0.10847414	0	0.00034416	0.00262371	0.00052222	0.14656126	0.05586066
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0.07875606	0.09719812	0.01769578	0.00076187	0.00165592	0.00138328	0.10612802	0.0137999	0.17450633
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0.00224347	0.07467272	0.01413567	0.31107685	0.03174696	0.13635023	0.0202314	0.00874289	0.1491725
0.03794033	0.0344989	0.00438242	0.00185432	0.01573624	0.02466996	0.15222861	0.00712746	0.13907192
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0.05678908	0.1052621	0.0108033	0.00082941	0.00532694	0.00906464	0.10998373	0.0101067	0.1664604
0.07316843	0.13014803	0.01600794	0	0.00183037	0.00155908	0.05011548	0.01241096	0.09059232
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0.0560313	0.05868825	0.00669238	0.00140323	0.00980102	0.01423411	0.21929674	0.00914331	0.17060445
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0.00013059	0.02126955	0.11747925	0	0.00014182	0.00107309	0.00038929	0.0439123	0.01168375
0.05221637	0.09880914	0.01052832	0.00073385	0.00555146	0.0076276	0.10326023	0.00931451	0.15423687
0.00214237	0.06224013	0.01302959	0.04901653	0.01891901	0.1205398	0.00793589	0.02087241	0.11575898
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0.00022119	0.0445785	0.02671265	0	0.0002437	0.00193978	0.00043573	0.11860901	0.0233184
0.00026144	0.05321996	0.03023564	0	0.00028873	0.00202689	0.00050308	0.11279361	0.02472933
0.00050461	0.17055279	0.22119523	0	0.00061557	0.01157781	0.00253499	0.29564506	0.16127855
6.6521E-05	-0.00022454	0.02099278	0	0	0.00067252	0.00022784	0.00457595	0.00017078
0.00015995	0.01115537	0.08916204	0	0.000159	0.00192478	0.00048088	0.0680498	0.01572686
0.00027242	0.03412896	0.01140086	0	0.00031832	0.00166356	0.00025578	0.29321375	0.02569154
0.00020091	0.04317931	0.07208001	0	0.00021815	0.00209358	0.00057424	0.07380526	0.02219698
0	8.8958E-05	0.00880963	0	0	0.00054305	0	0.0029258	0.0004415
0.00023147	0.04269262	0.03806826	0	0.00027051	0.00217198	0.00044279	0.12282497	0.02441261
8.8279E-05	0.01508383	0.0256837	0	0	0.00013269	0.0001001	0.01087055	0.00071407
0.00014793	0.01179544	0.04238997	0	0	0.00045939	0.00023084	0.01568114	0.00078088

OK	PA	RI	SC	SD	TN	TX	VT	VA
0.01242178	2.95415487	0.00277763	0.0453646	0.02613224	0.07928086	0.01408796	0.00417616	0.08546014
0.01061134	0.3874541	0.00095948	0.00517852	0.00383275	0.00957147	0.008777	0.00095653	0.02111907
0.00805407	0.68757439	0.00114936	0.00247683	0.00921202	0.00696561	0.00698215	0.00113575	0.01624799
0.00908847	0.68849075	0.00064936	0.0264833	0.01304517	0.07831223	0.00857774	0.00064574	0.0590505
0.0101941	0.37375855	0.0009295	0.00497361	0.00370305	0.01173266	0.00842571	0.00092667	0.02039593
0.00663213	0.56477989	0.00094947	0.00203928	0.0075752	0.00738276	0.00574826	0.00093649	0.01333145
0.08465393	0.10807188	0	0.0016469	0.01728187	0.01534987	0.05725523	0.00078667	0.00514114
0.01692108	1.45978383	0.0015087	0.02273138	0.03370868	0.0373041	0.01581708	0.00457362	0.11523215
0.0102464	0.40395218	0.00084956	0.00455612	0.0034039	0.01166421	0.00861509	0.00084709	0.02114641
0.05927224	0.06844829	0.00081931	0.01171733	0.00571328	0.24625955	0.35240207	0.00081542	0.02767619
0.11367229	0.27688096	0	0.00465048	0.08276706	0.07750577	0.39585203	0.00102376	0.01574028
0.01071147	0.42672423	0.00074953	0.00748746	0.00381166	0.01224484	0.01084857	0.00152361	0.02364514
0.01219866	1.05500133	0.00099903	0.02086205	0.02026122	0.05248447	0.00932125	0.00198705	0.08648509
0.057024	0.11580893	0	0.00291696	0.0404622	0.06828502	0.02509848	0.00086517	0.00828307
0.01166418	4.47177354	0.00219952	0.10466495	0.00776411	0.08724812	0.03998951	0.00587146	0.19911679
0.04532524	0.35662635	0.00087933	0.00192294	0.00528586	0.04786576	0.12510296	0.00087551	0.01587899
0.0472004	0.37122689	0.0009193	0.00201042	0.00550527	0.04983559	0.13030579	0.0009153	0.01651106
0.04629756	0.36422303	0.00089931	0.0019776	0.00539556	0.0488907	0.1278048	0.00089541	0.01620921
0.01066263	1.36240608	0.0017884	0.01595346	0.02229049	0.0145599	0.00903566	0.002674	0.07095191
0.00911975	0.33376275	0.00082955	0.00445306	0.00330377	0.00823327	0.00754313	0.00082701	0.01819231
0.06572001	0.13345148	0	0.00335718	0.04663427	0.07868561	0.02892653	0.00100439	0.00955102
0.02563347	0.31158858	0.00929303	0.18002016	0.00709142	0.12712676	0.07706772	0.01051714	0.11543657
0.05283419	0.05773209	0.0006793	0.01063398	0.00336791	0.20351682	0.21481792	0.00067535	0.02375414
0.02769449	0.44319495	0.00091933	0.01761164	0.01207936	0.10446773	0.04348906	0.00091555	0.03052921
0.11884506	0.28944919	0	0.00486097	0.08649544	0.08104936	0.48871381	0.00106352	0.01645075
0.01366675	0.45747014	0.00079947	0.01057011	0.00398071	0.01932741	0.01549873	0.00161278	0.03662039
0.01455369	1.51843768	0.00102899	0.02360348	0.02913007	0.04657211	0.00741117	0.00102326	0.08415967
0.03696144	0.19015102	0	0.00193307	0.02076841	0.01930349	0.0204826	0	0.00755583
0.05507933	0.38402162	0.00087944	0.00758597	0.00702427	0.01503806	0.03356211	0.00175247	0.02685933
0.08550854	0.09716214	0	0.0015353	0.01434949	0.01871084	0.06294748	0.00071708	0.00535081
0.03685231	0.10219502	0.00103959	0.00214754	0.00998629	0.02685392	0.01820069	0.00100735	0.00800306
0.05555224	0.10779706	0	0.00189831	0.01870421	0.01822634	0.03115382	0	0.00662253
0.00646311	0.5512132	0.00091949	0.00198583	0.00738558	0.00558609	0.00560781	0.00090661	0.01301525
0.0068708	0.58594034	0.00097945	0.00211391	0.00785466	0.00765321	0.00595891	0.00096638	0.01384026
0.01239095	1.06942811	0.00109905	0.01664827	0.0246858	0.02732044	0.01157641	0.00335068	0.08441883
0.00913652	0.35963794	0.00090948	0.0049619	0.00363272	0.01158135	0.00832711	0.00090652	0.02255311
0.02997897	0.78429496	0.00119902	0.02046318	0.01691162	0.08463802	0.03206877	0.00119345	0.04574915
0.0254718	1.00490032	0.00090903	0.03948509	0.01664799	0.16051117	0.0540357	0.00095318	0.05665819
0.00764299	0.45101396	0.0009593	0.00104473	0.01150068	0.00552625	0.00482999	0.00095533	0.00628583
0.00470683	1.04381227	0.00057948	0.02098072	0.01249089	0.03514844	0.00483453	0.00112325	0.04073636
0.05455308	0.42932837	0.00105919	0.00231624	0.00635301	0.05762151	0.15058345	0.00105459	0.01911725
0.09434941	0.14945774	0	0.00176032	0.01701742	0.02103559	0.06743391	0	0.00600813
0.00993056	0.42643818	0.00091955	0.00478693	0.00364379	0.00990726	0.00817266	0.000917	0.02226597

0.02050712	0.16612581	0.00087953	0.00190682	0.00897309	0.02912485	0.01424363	0.0008868	0.01117135
0.07499855	0.13160641	0.0009392	0.0031977	0.04861577	0.06577051	0.03661613	0.00093468	0.00892943
0.0440651	0.34673726	0.00085934	0.00187924	0.00513626	0.04653972	0.12163793	0.00085561	0.01543527
0.01078091	1.64064115	0.00106894	0.02476146	0.02378786	0.0885914	0.01322394	0.00437103	0.03554542
0.00880732	1.86244494	0.00196841	0.0313356	0.02165894	0.05895388	0.0099053	0.00391881	0.06821587
0.02225234	2.74854181	0.00306827	0.17094405	0.02433223	0.10859697	0.0683682	0.00474215	0.22558673
0.04389283	0.06802085	0	0.00149771	0.02490427	0.03117149	0.01489414	0	0.00433695
0.00763297	0.29303931	0.00034974	0.00260128	0.00521668	0.01037857	0.00690864	0.00034829	0.01255164
0.02755549	0.4408775	0.00091933	0.01751392	0.01200953	0.10391541	0.04325814	0.00091555	0.03036801
0.07503673	0.1043215	0	0.00161787	0.01187032	0.01766052	0.05477773	0	0.00519327
0.07048768	0.12368703	0.00088924	0.00299924	0.04569442	0.06181167	0.03441556	0.00088496	0.00839474
0.01404637	1.21141204	0.00124893	0.01886749	0.0279759	0.03096362	0.01312396	0.00379809	0.09563591
0.00721881	0.615295	0.00102942	0.00222066	0.0082439	0.00803926	0.00625987	0.0010162	0.01453086
0.0211528	0.5532932	0.0008493	0.01444129	0.01193584	0.05970507	0.02263505	0.00084536	0.03227547
0.15113751	0.36037205	0	0.00594049	0.07015875	0.0445948	0.1872038	0	0.01921876
0.00707285	4.37365832	0.00121937	0.1836789	0.01840691	0.09530483	0.05439905	0.00791274	0.18994612
0.02319484	0.38865098	0.00710415	0.16285255	0.0050455	0.069279	0.06548525	0.01047226	0.09534683
0.22519818	0.11640747	0	0.00244571	0.0692053	0.02381442	0.2122106	0	0.00711105
0.07409047	0.4677262	0.00110901	0.00743695	0.03596737	0.05152286	0.07678972	0.00111331	0.0430538
0.03268355	0.12175037	0.00089971	0.0018385	0.0092297	0.0112801	0.0146767	0.00089808	0.00525417
0.02436912	0.38986825	0.00080941	0.01549069	0.01062305	0.09188887	0.03825756	0.00080608	0.02685477
0.04103486	0.60250328	0.00108928	0.22028339	0.0090293	0.16071297	0.11394438	0.00382319	0.30042316
0.34829503	0.12508922	0	0.00261253	0.08111405	0.02489867	0.20792496	0	0.00753184
0.02649809	0.50912566	0.0008893	0.01595891	0.01245596	0.09541545	0.04707871	0.00088536	0.02576802
0.01841957	0.79591789	0.00101935	0.00790836	0.0143978	0.02502206	0.01564684	0.00101565	0.04504812
0.01580286	1.08941801	0.0012989	0.00895281	0.01306129	0.01842628	0.01619784	0.00259524	0.04918981
0.04748914	0.07362377	0	0.00161629	0.02694966	0.03373401	0.01611862	0	0.0046895
0.11296637	0.59175392	0.00135863	0.02199341	0.02257068	0.04633156	0.1750762	0.00135089	0.06250521
0.0203971	0.8214516	0.00106922	0.00836116	0.01618852	0.02474751	0.01752287	0.00106477	0.04590977
0.04908726	0.26054425	0.00129847	0.04710552	0.02766615	0.42742605	0.08132096	0.00125012	0.09783991
0.05362085	0.51382929	0	0.00744884	0.03305033	0.04194063	0.05110953	0.00109241	0.03677021
0.02463863	0.42586729	0.00812319	0.12725547	0.01278254	0.10033907	0.06443617	0.00751774	0.10023045
0.08586976	0.097564	0	0.00153854	0.01426873	0.01891869	0.06361654	0.00070703	0.00539085
0.04347855	0.64045568	0.00120921	0.23345865	0.00956806	0.17029538	0.1207195	0.00411193	0.3203845
0.00977191	0.34319291	0.00081952	0.00437814	0.00327334	0.00906758	0.00821717	0.00081681	0.01959852
0.00968698	0.355506	0.00087953	0.00471745	0.00351342	0.00875195	0.00800438	0.00087685	0.01939831
0.01640391	2.59451302	0.00260881	0.14412927	0.01006401	0.12049689	0.05687702	0.00764672	0.26084525
0.06291208	0.26554225	0	0.00183242	0.00674358	0.03602338	0.13132904	0.0008361	0.0105442
0.0113897	0.36668817	0.00093951	0.00614287	0.0037532	0.0145938	0.01154402	0.00093675	0.02195425
0.01160064	1.42851132	0.00193821	0.01753684	0.02416224	0.02507156	0.00988153	0.00291201	0.07509331
0.02205522	0.57691396	0.00088927	0.0150569	0.01244438	0.06225543	0.02359954	0.00088514	0.03365726
0.03075117	0.46402266	0.00105936	0.0176146	0.01279312	0.13654831	0.04556555	0.00105575	0.03422606
0.10043217	0.1104323	0	0.00186953	0.01809456	0.02240737	0.0718228	0	0.00639538
0.13538951	0.10778828	0	0.00230906	0.0696705	0.035774	0.09281811	0	0.00724719

0.01388423	1.08813465	0.001129	0.01967164	0.02881088	0.03114904	0.01186951	0.00230631	0.09211136
0.02370427	0.43440167	0.00088928	0.00289773	0.00530503	0.01296033	0.02379889	0.00088521	0.01896125
0.01060778	0.33909423	0.0037165	0.02990502	0.00625941	0.04206552	0.02088127	0.02106701	0.05075441
0.05895226	0.14193659	0	0.00243269	0.02812402	0.06112087	0.02336579	0.00070586	0.00745122
0.00618609	1.47000389	0.00137883	0.02258929	0.01301127	0.03946448	0.00701385	0.00207813	0.0425087
0.00885578	0.43410151	0.00062942	0.00648475	0.01008725	0.01163048	0.00843437	0.00127207	0.03667941
0.00658973	0.42114375	0.00093944	0.00100806	0.00848227	0.00458212	0.00477623	0.00093625	0.00440829
0.02397116	0.58741535	0.00088931	0.0067449	0.01250633	0.05002552	0.02551143	0.00088543	0.04023906
0.05522019	0.11203986	0	0.00281745	0.0391562	0.06601596	0.02428445	0.00084529	0.0080116
0.02861045	0.32036535	0.00503571	0.19181394	0.02440729	0.1297686	0.07247002	0.00872016	0.10703485
0.09300018	0.11487102	0	0.00175698	0.01756383	0.01320309	0.06703438	0.0008367	0.00473663
0.0402702	0.59265492	0.00110927	0.21620141	0.0088597	0.15772618	0.11180608	0.00379334	0.29606069
0.10936732	0.26625956	0	0.00445966	0.07942889	0.07465831	0.44862837	0.00097409	0.01511064
0.02801586	0.11916108	0.00080948	0.01039039	0.01298082	0.07342666	0.02175946	0.00080652	0.01446593
0.04199948	0.39702999	9.9914E-06	0.00223058	0.02309043	0.01539024	0.02924283	0.00099425	0.02667649
0.03660223	0.35800565	0.00092914	0.00206869	0.00736611	0.02346976	0.03938698	0.00092425	0.01966008
0.0109783	0.91917842	0.00077923	0.03223563	0.01490824	0.0911578	0.01037834	0.00077484	0.06761041
0.02577695	0.28020528	0.00631489	0.17904934	0.00777804	0.08387286	0.07509393	0.01178615	0.10363932
0.0076828	0.2954567	0.00034975	0.00261144	0.00524665	0.01046975	0.00694871	0.0003483	0.01265819
0.02688517	0.51665643	0.0008993	0.01618766	0.0126355	0.0968455	0.04775153	0.00089531	0.02615584
0.01376163	1.07586015	0.00123905	0.00699612	0.01116994	0.02315089	0.01407144	0.00247721	0.03906971
0.00941864	0.92442687	0.00093921	0.01046988	0.00941223	0.04156793	0.00765663	0.00186942	0.05249815
0.04073134	0.38526763	9.9914E-06	0.00216394	0.02238269	0.01493587	0.02833816	0.00097438	0.02590203
0.01820432	0.82229765	0.00093897	0.03453933	0.01624741	0.12705243	0.03636662	0.0009331	0.06377779
0.14250554	0.3393077	0	0.00558635	0.06603148	0.04202294	0.17628922	0	0.01808678
0.06877735	0.39446503	0	0.01325502	0.03197437	0.14579574	0.13393105	0.00126049	0.05803107
0.0117736	0.41211315	0.00076951	0.00683803	0.00389136	0.01250579	0.01111006	0.00156335	0.02361957
0.06999912	0.57408986	0.00124866	0.01719632	0.02002479	0.14907205	0.12495934	0.00124105	0.0866423
0.01394725	1.20318126	0.00123893	0.01873491	0.02777651	0.03074606	0.01303351	0.00376827	0.09498027
0.04863604	0.3841935	0.00100894	0.01021112	0.03726307	0.09721784	0.08107211	0.00099299	0.04712112
0.04837207	0.00642283	0.00063964	0.04327974	0.00255498	0.1410647	0.21560914	0	0.00613661
0.00858674	0.73716615	0.00086918	0.00966247	0.01555851	0.03754272	0.00697741	0.00171908	0.05159558
0.09514391	0.53309676	0.00122877	0.02015656	0.02030891	0.04718853	0.16135447	0.00122179	0.05929959
0.0117376	0.37729513	0.00096949	0.00633571	0.00386297	0.01897199	0.0118952	0.00096663	0.0226144
0.0993176	0.24187068	0	0.00405038	0.07224093	0.0677492	0.4081673	0.00089456	0.01374422
0.01046833	0.38069036	0.00047963	0.00365915	0.00717088	0.01197659	0.00961158	0.00047756	0.01772325
0.01912133	0.34604271	0.00704428	0.13449618	0.00418813	0.05753769	0.05385764	0.01172623	0.08400199
0.17504531	0.38760251	0	0.00773275	0.02211179	0.13285783	0.21667068	0.00113231	0.02661567
0.00661565	0.44455552	0.00095923	0.00105325	0.02282593	0.01629972	0.00670051	0.00095486	0.02167813
0.09630421	0.5366213	0.0012288	0.01987328	0.02048988	0.04773761	0.16096206	0.00122197	0.05911591
0.10161062	0.05639101	0	0.00158898	0.01523079	0.01991307	0.06869418	0	0.00428097
0.02689025	0.43004141	0.00089935	0.01710174	0.01172024	0.1013393	0.04222403	0.00089564	0.02961851
0.01082963	1.70788805	0.00221859	0.15199215	0.00990798	0.09744895	0.04384833	0.00735864	0.17530054
0.03193232	1.04873845	0.00411688	0.17873062	0.03482768	0.16179744	0.08463405	0.00385042	0.1836804

0.09489529	0.48821297	0.00118877	0.01953934	0.02073511	0.0453457	0.1512844	0.00118181	0.05488923
0.02243164	1.01956413	0.00143888	0.19780163	0.01351328	0.16315763	0.08543661	0.00665532	0.27819965
0.01157387	0.37023633	0.00095946	0.00625687	0.00383251	0.01519493	0.01170721	0.00095642	0.02320956
0.03882931	0.57312535	0.00110927	0.20859141	0.00855037	0.15212147	0.10783212	0.0037037	0.28762452
0.03292013	0.1096374	0.0009297	0.00192336	0.00947916	0.0117936	0.01512819	0.00092797	0.00545605
0.07426292	0.11759081	0	0.00264885	0.11537474	0.01370483	0.0300707	0	0.00689396
0.02128253	0.37441546	0.00734401	0.14962709	0.00464676	0.09565233	0.06000725	0.01175575	0.09123616
0.04090525	0.50677687	0.00119864	0.00136412	0.0218635	0.12582409	0.07438594	0.00119095	0.04685832
0.13320359	0.1165156	0	0.00209635	0.11798537	0.02833047	0.07498346	0	0.00662103
0.02600562	0.28372417	0.00645479	0.18058827	0.0078479	0.08473081	0.07573598	0.01218417	0.10508025
0.10357367	0.12328013	0	0.00185888	0.01888596	0.01485776	0.05970613	0	0.00648722
0.08388062	0.30689919	0	0.00499022	0.04059154	0.08022643	0.47571579	0.00110226	0.02893573
0.07654	0.37659338	0	0.00712077	0.02398192	0.09506823	0.43070182	0	0.04488234
0.01590318	0.20917768	0.00106943	0.00340713	0.0074361	0.02507591	0.01391227	0.00106618	0.01537414
0.07821722	0.00067308	0	0.00015072	0.0108353	0.00344026	0.35926534	0	0.00018165
0.02155492	1.2368017	0.00050964	0.17682596	0.01035453	0.14696414	0.07188708	0.00424	0.22265719
0.06756419	0.13676264	0.00085947	0.0018699	0.01839035	0.03624736	0.04107388	0.00085646	0.01162093
0.05051513	0.70273155	0.00097897	0.00999835	0.03655551	0.08624821	0.07145544	0.00097313	0.04518703
0.05775706	0.04626245	0.00082936	0.10631434	0.00249332	0.104662	0.31986088	0	0.04238318
0.01394462	1.51737236	0.00124882	0.02033071	0.02137915	0.01863292	0.01433696	0.00371636	0.10340442
0.06100263	0.23957142	0.0010288	0.02889936	0.01920196	0.60966149	0.1556426	0.00102202	0.05325063
0.10593517	0.18366652	0.00092939	0.00201734	0.02543213	0.0187934	0.06833256	0.00092596	0.00624766
0.03929447	0.68505357	0.0011487	0.02024305	0.01499076	0.13537145	0.07146675	0.00114134	0.15611239
0.13481813	0.13260013	0	0.00282068	0.06869804	0.02116681	0.10726906	0.0006373	0.00903165
0.09623301	0.44362168	0.00123872	0.01891681	0.02267824	0.05097099	0.18600541	0.00123148	0.05731079
0.0879853	0.24799203	0.00098893	0.03425751	0.00607704	0.23836809	0.21845522	0.00098287	0.0797371
0.04243349	0.76215691	0.00127872	0.03708403	0.01787725	0.10289276	0.05139204	0.00127143	0.09583406
0.04298425	0.22738924	0.0007193	0.041404	0.00762423	0.2654335	0.08622204	0.00071536	0.10283236
0.02073757	0.29349906	0.00413586	0.03355901	0.03047349	0.04267099	0.03094512	0.01046976	0.04567164
0.04846797	0.30737095	0.00072951	0.00630286	0.00654467	0.01323575	0.02924125	0.00145347	0.02288071
0.07867408	0.31121284	0	0.00573486	0.03855855	0.07045342	0.40714781	4.9675E-05	0.02287508
0.07486986	0.28395042	0.00128856	0.04341754	0.02271105	0.86183785	0.19564937	0.00128037	0.09358082
0.01331639	0.33352406	0.00102937	0.00555456	0.00509905	0.0325409	0.01352721	0.00102578	0.02062908
0.03050933	0.09978116	0.00084972	0.00174586	0.00870016	0.01072844	0.01386555	0.00084816	0.00497917
0.02586863	0.30587319	0.01030099	0.19859019	0.00627085	0.07954786	0.07543347	0.00773467	0.11325945
0.00809812	0.55084126	0.00089944	0.00392695	0.00809227	0.01137634	0.00729597	0.00088628	0.01673574
0.0225797	0.06196322	0.00062975	0.00130935	0.00609165	0.01377208	0.0110747	0.00061838	0.00485653
0.03202458	0.85190287	0.0040667	0.18507707	0.03487126	0.10658587	0.08618581	0.00368996	0.17409063
0.02908156	0.53345568	0.0020281	0.23635651	0.01001726	0.20775692	0.11201308	0.00606198	0.25103224
0.00909685	0.98592938	0.00090919	0.01223204	0.0091315	0.02593958	0.00832209	0.00181911	0.06125418
0.02541888	0.342684	0.01043073	0.13451717	0.02968783	0.1038643	0.06237386	0.00688896	0.09914295
0.03368252	0.11792326	0.00080942	0.00261954	0.01693746	0.02614459	0.02586546	0.00080612	0.01294227
0.05039218	0.13098608	0.00091931	0.00204025	0.02185252	0.03737951	0.03206687	0.00091538	0.00881668
0.02190883	0.40608826	0	0.02208452	0.02416303	0.17090024	0.02638372	0.00127122	0.09188654

0.01489426	0.36620988	0.00087927	0.0048721	0.00977182	0.06510862	0.01523123	0.00087516	0.02514617
0.08744527	0.74057964	0.00105886	0.00958307	0.02758621	0.07777029	0.09936487	0.0010524	0.04299216
0.01839049	0.48024949	0.00076939	0.00510798	0.01233573	0.02182476	0.01793079	0.00076592	0.02711749
0.01062721	0.33790436	0.00363656	0.02997197	0.0062693	0.04203866	0.0209219	0.02076841	0.05045103
0.03853694	0.20153224	0.00073939	0.00249496	0.02919639	0.03367963	0.03179769	0.00075585	0.01153516
0.0053583	0.1954468	0.0017983	0.00843232	0.02967228	0.0413567	0.00543902	0.01423006	0.02117461
0.0341311	0.77064498	0.00108876	0.01549565	0.01432294	0.11567906	0.05919133	0.00108172	0.12251838
0.03669537	0.91839344	0.0044659	0.13783121	0.01368612	0.13932046	0.09250056	0.00640062	0.54928285
0.11882544	0.10498007	0	0.0015394	0.04601778	0.02777784	0.09672704	0	0.00556103
0.05018933	0.39644833	0.00103891	0.01053791	0.03845869	0.1003179	0.08365746	0.00102279	0.04862618
0.03087077	0.46607834	0.00105936	0.01766618	0.01283309	0.13721928	0.0457158	0.00105576	0.03440086
0.03046371	0.16203351	0.00087922	0.00300036	0.07267493	0.07090929	0.01807071	0.00090462	0.01260719
0.02641328	2.63374906	0.00073957	0.23765191	0.00956059	0.13706872	0.08891338	0.00546872	0.21964138
0.10128569	0.50785384	0.00121874	0.01998201	0.02123317	0.04092799	0.14732277	0.00121158	0.05377195
0.02599941	0.31185409	0.01082062	0.19946037	0.00630091	0.08032786	0.07575195	0.00860996	0.1156216
0.06190679	0.08691788	0	0.00162786	0.02996349	0.03898079	0.01941088	0.00047736	0.0050176
0.01716959	0.78222371	0.00106884	0.03284824	0.00859749	0.05808715	0.02090793	0.00218414	0.12491356
0.09938028	0.27684497	0	0.0054657	0.0747655	0.07190224	0.44598994	0.00095328	0.0171177
0.00642718	0.43130712	0.00091926	0.00100939	0.02214782	0.01581504	0.00650965	0.00091507	0.02101884
0.05527135	0.78413143	0.00249802	0.0139519	0.02975747	0.04589396	0.0535007	0.00493375	0.05438138
0.0158046	1.75844302	0.00131898	0.22494773	0.01944727	0.11960277	0.05700074	0.00494429	0.20827913
0.08878811	0.32269606	0	0.00609926	0.04310894	0.07278236	0.44349622	0	0.02394763
0.07318767	0.28917827	0	0.00533333	0.03586752	0.06543364	0.37875446	3.974E-05	0.02125638
0.00920057	1.46484095	0.00091913	0.02080128	0.02035248	0.07532787	0.01123035	0.0037064	0.0303021
0.04779334	0.0933017	0.00068929	0.03491023	0.00275005	0.25264297	0.19997049	0.00068524	0.03954723
0.0698688	0.14992201	0.00088939	0.00382377	0.01856537	0.05163278	0.0423252	0.00088592	0.02001986
0.06067264	0.0974671	0.0007094	0.00228263	0.02877458	0.0518569	0.02650759	0.00067615	0.00647168
0.02174276	0.00345922	0	1.96885079	0.00458658	0.17790476	0.11483958	0	0.03910945
0.06483001	0.00684679	0	0.06105061	0.00425058	0.17977897	0.19549373	0	0.00812494
0.02345809	0.28012495	0.01700358	0.14538297	0.02776632	0.0955935	0.06344671	0.00338806	0.06146893
0.03928682	0.58373294	0.0009092	0.02289859	0.01562204	0.09953208	0.04388839	0.00090467	0.03948205
0.04905641	0.13659833	0	0.00281095	0.02732267	0.0206012	0.02352411	0.00087586	0.00821356
0.03457339	0.06751007	0.00049961	0.00168571	0.01363273	0.03038977	0.018713	0.00051729	0.00477068
0.0748482	0.61571301	0.00133857	0.01836507	0.02142976	0.15935965	0.13356926	0.00133044	0.09274794
0.02326994	0.57742577	0.00106919	0.0034929	0.00638312	0.01618615	0.02355106	0.0010646	0.0221529
0.01247919	0.17773055	0.00074952	0.00237951	0.00597676	0.02318441	0.01024687	0.00074683	0.01131983
0.01498178	0.06444911	0.0006896	0.15225528	0.00273449	0.13606606	0.18233718	0.00068735	0.05841786
0.01209282	0.86825667	0.00099913	0.01135657	0.01104656	0.03454744	0.01133562	0.00198845	0.05223119
0.03933869	0.86003176	0.00148892	0.22790149	0.01175026	0.21223685	0.10743143	0.00457778	0.33129295
0.00686261	0.54169059	0.00085954	0.00184175	0.01465268	0.01169662	0.0060684	0.00084697	0.01701871
0.07783237	0.05724682	0.00075921	0.08079437	0.00447377	0.20355407	0.25185865	0.00075474	0.03549867
0.00842211	0.81247868	0.00084923	0.01132525	0.01185258	0.0242693	0.00683497	0.00168976	0.05620756
0.01675117	0.49715811	0.0008694	0.01257407	0.00525725	0.02266224	0.01786034	0.00086597	0.0409224
0.0233747	1.96718112	0.0024685	0.21017595	0.00905075	0.11980664	0.07719674	0.00575653	0.18411241

0.02231108	1.87560514	0.0022986	0.20066551	0.00864159	0.08632456	0.07370511	0.00541788	0.1751675
0.00963793	1.48702179	0.00193819	0.01654735	0.02222752	0.01379058	0.00990231	0.00382606	0.07064232
0.24523073	0.17443132	0	0.00266119	0.07534158	0.03492665	0.20600663	0	0.00774971
0.07415424	0.25593437	0.00118866	0.04148674	0.02105716	0.68432162	0.19713431	0.00118108	0.0877063
0.06879194	0.36644078	0.00156816	0.0319814	0.03722728	0.3460008	0.10936526	0.00152796	0.09375419
0.00318743	0.00699448	0	0.00030346	0.01683924	0.00578833	0.00789101	0	0.00051265
0.16732746	0.29146279	0	0.00527604	0.00841957	0.11340878	0.46375251	0.00092359	0.02081023
0.02664214	0.79921893	0.00295731	0.17142117	0.00922071	0.20138283	0.0998238	0.00724584	0.50993424
0.02897916	0.40480197	0.00993159	0.13960604	0.03525577	0.08306214	0.07206545	0.00334105	0.11583472
0.03379627	0.66905973	0.00219788	0.06729527	0.00847145	0.07104985	0.05469856	0.01767567	0.0971012
0.02375665	0.59228781	0	0.00739476	0.01922732	0.06619434	0.03674474	0.00071481	0.03845252
0.03358888	0.10946484	0.00093969	0.00192272	0.00956915	0.01177616	0.01523815	0.00093796	0.00546699
0.01573639	0.13197065	0.00075956	0.00319007	0.0076644	0.04252442	0.01269199	0.00075705	0.01981817
0.01043321	1.56055043	0.00210789	0.01808942	0.02095681	0.0220726	0.00966465	0.00306942	0.08189211
0.07476205	0.27503894	0	0.00433467	0.03813118	0.06713795	0.41540777	0.00094341	0.02539868
0.03568104	0.10885772	0.00090965	0.00192509	0.00928761	0.02424713	0.01669628	0.00092763	0.00711543
0.28392204	0.40415281	0.00128858	0.03040336	0.01148575	0.12884503	0.89305462	0.00128053	0.07463705
0.05358355	0.86931959	0.00105921	0.26166892	0.01255744	0.16457796	0.14515075	0.00497526	0.27150412
0.02862324	1.50420365	0	0.24540942	0.01311916	0.17912622	0.09799407	0.00460922	0.27057369
0.02706362	0.30221066	0.00471597	0.18143535	0.02308115	0.07995844	0.06855155	0.00808373	0.10100551
0.19832519	0.46372246	0.00116858	0.02924299	0.01039598	0.12902459	0.84381412	0.00116056	0.07262471
0.0450157	0.81513532	0.00125876	0.03865385	0.01799802	0.10152533	0.05132623	0.00258293	0.08256634
0.03823415	0.05530221	0.0007895	0.19698903	0.00320296	0.20891004	0.18824264	0.00079664	0.07999073
0.02572017	0.38013138	0.00703386	0.13206108	0.01337917	0.10378876	0.06733306	0.00352934	0.08436581
0.30336936	0.17861113	0.00086917	0.00399246	0.05267454	0.07802355	0.25143661	0.00086447	0.01751898
0.02493935	2.43666141	0.00321797	0.25735377	0.01242263	0.12741685	0.09380579	0.00908164	0.28393509
0.05807263	0.3223607	0.00082943	0.00633578	0.00913808	0.02960443	0.04194335	0.0008262	0.02451483
0.05275688	0.10366156	0	0.00263297	0.02204816	0.04681116	0.02911245	0.00076588	0.007446
0.02780282	2.37747668	0.00299813	0.07572503	0.01040731	0.12481995	0.04202885	0.00845467	0.15383871
0.07619235	0.10642668	0.00088914	0.01729196	0.00439508	0.29592284	0.26738958	0.00088424	0.05531687
0.0525655	0.11717551	0.00073921	0.04165555	0.00661534	0.30700958	0.27027012	0.00073474	0.04831903
0.03323528	0.04057073	0.00073949	0.09025291	0.00296285	0.09436217	0.28070055	0.00073659	0.0353017
0.12063024	0.10823503	0	0.002444	0.03287414	0.08163523	0.08480097	0.00070605	0.00686427
0.04354463	1.01710701	0.00391626	0.16272546	0.01618603	0.16439614	0.10973261	0.00598172	0.60312683
0.07918145	0.33836123	0.00156834	0.02648234	0.03657474	0.48058101	0.12653727	0.00150928	0.07761068
0.08917338	0.14613429	0.0009195	0.00201478	0.0122766	0.02423508	0.07271534	0.00094654	0.00824729
0.37106673	0.18933225	0	0.00723793	0.01142963	0.05463375	0.80424007	0.00071515	0.02378425
0.03292308	0.73700083	0.0049258	0.18396786	0.03771773	0.15969495	0.08775348	0.00357956	0.15880741
0.03094596	0.81510727	0.00124892	0.22735657	0.01230279	0.21322738	0.11188855	0.00447404	0.24339211
0.01127449	0.30134242	0.00184847	0.02737141	0.02088955	0.06941691	0.01641704	0.01008402	0.04761481
0.09760117	0.30672894	0.00123869	0.01875756	0.02630268	0.08394461	0.20741191	0.00123125	0.06064829
0.01554693	0.47304094	0.00086938	0.00377953	0.00432924	0.01419985	0.01662711	0.00086587	0.01800226
0.00518354	0.201063	0.00046959	0.00322919	0.00417722	0.00779915	0.00483398	0.00092457	0.00835859
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0.01206286	0.43327338	0.00049961	0.00387713	0.00807777	0.01571988	0.01067766	0.00049737	0.02244915
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0.01502411	0.32992017	0.00094928	0.00414676	0.00566506	0.02320669	0.01335714	0.00094522	0.01863255
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0.0236988	0.3891383	0.00420599	0.04477412	0.0066379	0.09178917	0.03835688	0.01411977	0.06122665
0.06504962	0.24155308	0.00110874	0.03341528	0.01828713	0.24992701	0.09871606	0.00110157	0.08248141
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0.0354099	1.35745938	0.00153894	0.2107179	0.01138251	0.12722274	0.09256294	0.00608184	0.24754955
0.06629462	0.12050679	0.00079912	0.02736304	0.0063656	0.2950587	0.38811705	0.00079415	0.04480856
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0.05635949	0.81772297	0.00194851	0.27990769	0.01219742	0.15570593	0.15053242	0.0035916	0.38879884
0.02437648	1.04167618	0.0049058	0.15904904	0.01278176	0.15376198	0.09886953	0.00913755	0.90547812
0.03938044	0.9182591	0.0032869	0.14665395	0.01463186	0.14864491	0.09918863	0.00510775	0.53786441
0.02248886	0.94818564	0.00328741	0.12986394	0.01128893	0.14170368	0.08160435	0.00578944	0.71581603
0.03745939	0.73140301	0.00106891	0.03329758	0.01284431	0.08819839	0.04708114	0.00215528	0.0856881
0.03401371	0.33458908	0.00146854	0.13208687	0.0064476	0.26065	0.12731614	0.00180794	0.29572511
0.02567807	1.17452738	0.0042564	0.14011577	0.01230368	0.14987892	0.09049314	0.00613525	0.71761304
0.01733587	0.22027339	0.01302722	0.07305233	0.02569194	0.06852422	0.03823222	0.00620915	0.045991
0.03552004	0.27197071	0	0.00606014	0.02234421	0.08941011	0.0514898	0	0.03232129
0.03810982	0.05254375	0.00082953	0.16789061	0.00249507	0.22017774	0.16884262	0.00082687	0.07506949
0.06054648	0.3319709	0	0.01096474	0.03985106	0.12734292	0.09873711	0.00108223	0.04555159
0.02108152	0.5359744	0.00091928	0.00403875	0.00552491	0.01499322	0.02134456	0.00091521	0.02174295
0.02865367	0.07896984	0.00077948	0.00251902	0.00855994	0.04552078	0.02032735	0.00077651	0.01699393
0.02084615	1.07384961	0.00268793	0.2133802	0.00956431	0.07060574	0.07380165	0.00609858	0.15014547
0.06931463	0.21789206	0.00103881	0.02074526	0.01748987	0.49642822	0.15549817	0.00103205	0.06799446
0.06682955	0.3231363	0.00079924	0.01355727	0.0103855	0.06945239	0.15759807	0.00079493	0.03753882
0.06779116	0.56965912	0.00121872	0.01654143	0.0194985	0.14407131	0.12061584	0.00121147	0.08472874
0.08581072	0.18193531	0.00118864	0.02493488	0.0227488	0.65553693	0.23015198	0.00118091	0.05566253
0.01468191	0.64811929	0.00085932	0.0028911	0.01304415	0.01728311	0.01148119	0.00085549	0.04083528
0.03884268	0.7500969	0.00112887	0.03450645	0.01360252	0.09113557	0.04930865	0.00230456	0.08268432
0.0686794	0.43285524	0.00103888	0.00966639	0.01681649	0.03894586	0.11854434	0.00103251	0.05343269
0.03720654	0.00667441	0	1.73027422	0.00769842	0.19978048	0.16874327	0	0.04101552
0.23889503	0.24988905	0.00127849	0.03191641	0.01139295	0.1438108	0.77192812	0.00126993	0.07968797
0.02742668	0.38166378	0.00384626	0.0429168	0.04000395	0.09742343	0.04476656	0.01324355	0.06216346
0.05424012	0.23377356	0	0.00298498	0.02874575	0.13505647	0.02645088	0.00088561	0.02471821
0.06342184	0.16406944	0.00082946	0.00356845	0.00914937	0.03420374	0.04825676	0.00082643	0.01345374
0.02001358	0.30212587	0.01709361	0.1054375	0.02634176	0.08933821	0.05071516	0.00474947	0.06603828
0.01880561	0.3418617	0.00063955	0.00842721	0.00773111	0.03475583	0.01641511	0.00063702	0.0294724
0.01257109	0.31480628	0.0009694	0.00523212	0.00480967	0.03071425	0.01276453	0.00096602	0.01947378
0.20984852	0.14929754	0	0.00227332	0.06448585	0.02989601	0.1763231	0	0.00662491
0.02314396	0.29286989	0.01725282	0.13361295	0.02912863	0.09814979	0.05690062	0.00545357	0.07282791

0.02682391	0.66795975	0.00342717	0.22469986	0.01929445	0.08979108	0.08065662	0.00665325	0.15922764
0.02310345	0.22985014	0.00070947	0.00235528	0.0102233	0.03146023	0.01440104	0.00072636	0.01540948
0.02390032	1.01891375	0.00475592	0.15594882	0.01253245	0.15074812	0.0969409	0.00890879	0.88623049
0.11262966	0.24943372	0.00122854	0.05153969	0.01008817	0.35527083	0.55646927	0.00122028	0.08643565
0.05884209	0.00781022	0.00077956	0.06412673	0.0031039	0.17169617	0.26230798	0	0.00746957
0.07298482	0.03154985	0.00075955	0.03135321	0.01329226	0.52097212	0.33451443	0.00155378	0.00910422
0.01817745	0.23104776	0.01367659	0.07660767	0.02693769	0.07185797	0.0400925	0.006537	0.0482291
0.05192077	0.04155	0.00055935	0.01093736	0.0045017	0.16149428	0.3050648	0.00056558	0.02479912
0.07168464	0.2613998	0.00120864	0.04074856	0.02145578	0.79886818	0.19044903	0.00120095	0.08808223
0.01894211	0.54556165	0.00103889	0.03659296	0.01562153	0.06476146	0.03678277	0.00206516	0.10053099
0.04940205	0.24120768	0.00082912	0.05134268	0.00874751	0.44223071	0.12230502	0.00166811	0.11207168
0.02829569	0.07775204	0.00076961	0.00166496	0.00685803	0.02040255	0.01314734	0.00076743	0.00606972
0.13100947	0.16146192	0	0.00403655	0.01237321	0.0340316	0.1580218	0.0005966	0.01666518
0.02761979	1.45263282	0	0.23691004	0.01266019	0.17287574	0.09458171	0.00450964	0.26161338
0.00254276	0.00132256	0	0	0.00766224	0.00149538	0.00528992	0	0.00012369
0.00895023	0.21524439	0.00146856	0.00477549	0.01885546	0.02745351	0.00777309	0.03906337	0.02019404
0.06084682	0.00891318	0.00078953	0.06026573	0.00392177	0.17692143	0.27314134	0	0.0082606
0.05507789	0.00642475	0	0.03767164	0.0027631	0.16081473	0.25279423	0	0.00592367
0.10374497	0.2709328	0.00117864	0.05218307	0.0072807	0.3665267	0.31047045	0.00117095	0.08460436
0.01959601	0.00254473	0	1.33652775	0.00473564	0.09397141	0.13671199	0	0.04362145
0.03704594	0.73948796	0.00072949	0.19550109	0.01071389	0.20025315	0.09745561	0.00330456	0.29582675
0.03286512	0.08275468	0	0.00256201	0.11418282	0.02765328	0.029103	0	0.00692358
0.05559558	0.08095811	0.00067933	0.01135485	0.00404598	0.18365825	0.31614337	0.00067551	0.03262367
0.04418944	0.11852256	0	0.0026839	0.11985047	0.02965814	0.04453268	0	0.00744248
0.07417898	0.11183098	0.00089911	0.01768781	0.01201848	0.41739172	0.21790903	0.00089407	0.03756647
0.0703851	0.340356	0.00084919	0.01428162	0.01093369	0.07315708	0.16597293	0.00084462	0.0395309
0.05838286	0.05277642	0.00062928	0.01214962	0.00562742	0.1981177	0.32905453	0.00062518	0.02704623
0.04664312	0.13714927	0.0008992	0.0220625	0.00451589	0.32488539	0.3833716	0.00089464	0.05595855
0.06264047	0.13563758	0.00071934	0.04399023	0.00907086	0.4865138	0.15346895	0.00071559	0.0883394
0.02356233	0.00430403	0	2.13590529	0.00646148	0.11445154	0.17899194	0	0.06987518
0.02209372	0.15201606	0.0008594	0.00554871	0.0231141	0.05130236	0.02053062	0.00085603	0.02751362
0.05084685	0.13254216	0.00093929	0.00207378	0.02207168	0.03781949	0.03245919	0.00093526	0.00892767
0.06302227	0.13466057	0.000929	0.04825113	0.00741202	0.5134012	0.26830896	0.00092331	0.04254645
0.02515558	1.20010125	0	0.21531602	0.01112063	0.16437974	0.085858	0.00392014	0.26082697
0.23494566	0.12142197	0	0.00255345	0.07218862	0.02484021	0.19737012	0	0.00741607
0.61587626	0.20559617	0.00072926	0.00985785	0.01818544	0.06924412	0.76138654	0.00072506	0.03249608
0.03699412	0.77785037	0.00376685	0.10768168	0.01423847	0.16851955	0.08841818	0.00691133	0.32358822
0.06358756	0.54502338	0.00089914	0.01847364	0.01232881	0.0425098	0.1255293	0.00089427	0.05654489
0.05967204	0.0478008	0.00085934	0.10984408	0.0025731	0.1081423	0.33049715	0	0.04379907
0.03063028	0.37863368	0.00261783	0.21467699	0.0239606	0.09309329	0.07982495	0.00879115	0.12904422
0.03197452	0.99030031	0.00173864	0.21173002	0.01596641	0.16033895	0.09835567	0.00329276	0.35037088
0.05335348	0.00686514	0	0.16903829	0.00301369	0.13499222	0.22594878	0	0.00722873
0.03034759	0.06855718	0	0.001276	0.01739447	0.02467942	0.01325631	0.0003781	0.00362976
0.06107855	0.11965186	0	0.00226204	0.08689919	0.021321	0.07400022	0.00063746	0.00831159

0.18813634	0.13055217	0.00097789	0.01382805	0.01977045	0.00227189	3.39725875	0.00096592	0.01675848
0.05001928	0.15612696	0.00082911	0.05827612	0.00500122	0.36126404	0.25150799	0.00082406	0.06142123
0.03825529	0.82549105	0.00252784	0.10257161	0.01376886	0.17012957	0.08242934	0.00776548	0.2716862
0.04958524	0.05155382	0.0008095	0.03886824	0.01404949	0.61045178	0.25755865	0.00165312	0.01618934
0.76570517	0.22773823	0	0.01162705	0.00565484	0.09341991	0.2770455	0.00070637	0.03213171
0.0634022	0.08950951	0.00073924	0.01338982	0.004454	0.19681527	0.36234749	0.00073493	0.03720006
0.05459479	0.49789763	0.00087938	0.01177956	0.00886805	0.03631019	0.04160716	0.00178154	0.03956001
0.09016658	0.18668535	0.00095888	0.01178066	0.0180959	0.10476176	0.50806338	0.00095251	0.05244477
0.03581628	0.67472869	0.00115907	0.02223545	0.01394094	0.09439932	0.04625019	0.0011538	0.04688193
0.04212232	0.37713412	0	0.00705683	0.03001635	0.08763058	0.06062134	0.00103249	0.04039967
0.07128342	0.20317042	0.00068943	0.00157383	0.01231421	0.0340134	0.15608572	0.00071601	0.01396616
0.08526204	0.1144848	0.00093913	0.0170566	0.01286837	0.45891401	0.22099831	0.0009342	0.04910824
0.1637106	0.36391291	0.00102881	0.01980662	0.01946102	0.10613897	0.75045411	0.00102203	0.05365989
0.03782632	0.22504889	0.00056936	0.18121122	0.00797881	0.27959931	0.17892114	0.00229279	0.28618657
0.01429866	0.13859084	0.00069956	0.00230192	0.00652574	0.03762114	0.01000552	0.000717	0.01694793
0.02670005	0.0874472	0.0008095	0.00260246	0.00813229	0.04221097	0.01871621	0.00080663	0.01683628
0.01960907	0.37408812	0.00069951	0.00989579	0.00837941	0.03849623	0.01774077	0.00069672	0.03252731
0.00352605	0.49211589	0.00069953	0.0007563	0.01133367	0.00409276	0.00284072	0.00197122	0.01147386
0.05818708	0.2140724	0.00166809	0.22488457	0.00742031	0.25070718	0.34542456	0.00165727	0.18604784
0.01354637	0.29415877	0.00693332	0.09069996	0.03053719	0.06911098	0.03421658	0.00835601	0.06645937
0.02153725	0.29875671	0.00411584	0.03487263	0.03161843	0.04397484	0.03215369	0.00917783	0.04661031
0.01683904	1.26734292	0.00183871	0.14449248	0.00959643	0.10768768	0.05511978	0.00670841	0.22254443
0.0852586	0.05559342	0	0.04088382	0.00382802	0.15805596	0.46100806	0	0.03950452
0.09798076	0.19888368	0.00104884	0.03973857	0.00829797	0.32816519	0.28139702	0.00104227	0.05714731
0.07969743	0.12250193	0	0.00137085	0.01317651	0.01878639	0.07016947	0.00062694	0.0066373
0.01217852	1.38457541	0.00108894	0.01918026	0.02451655	0.02565998	0.01143303	0.00325871	0.09589493
0.03981947	0.00990265	0.00067968	0.1294283	0.00338445	0.12913826	0.20911745	0	0.00851743
0.01296499	0.63264835	0.0026477	0.13010355	0.03118552	0.06502988	0.05044775	0.00404648	0.123442
0.31631561	0.14773307	0	0.00457567	0.01007092	0.03380737	0.34931986	0.00058675	0.01557886
0.09522631	0.17505288	0.00069917	0.0096661	0.0035054	0.13110019	0.30783189	0.00069445	0.02572006
0.06883377	0.04968394	0.00072933	0.46680302	0.00939987	0.1465513	0.28900087	0.00075535	0.03949381
0.11154534	0.42987047	0.00103881	0.03752545	0.00615527	0.17175132	0.45764269	0.00103204	0.08480205
0.02517423	0.4128817	0.00445575	0.04755438	0.00704652	0.09749399	0.04073989	0.01488481	0.06497345
0.01029158	0.50522814	0.00244771	0.01732825	0.02947378	0.02844185	0.01119923	0.00869552	0.04627892
0.21921412	0.14733551	0	0.00587402	0.0844846	0.04631175	0.17058487	0.00059762	0.01673005
0.09561261	0.21032146	0.00110873	0.03242515	0.0128882	0.30774741	0.42993396	0.0010618	0.06976619
0.0120565	0.12955111	0.0013088	0.00375576	0.0086821	0.01921065	0.01517904	0.04184195	0.01150164
0.02459866	0.68202256	0.00090906	0.03414218	0.01184706	0.06304733	0.0242925	0.00184715	0.10920236
0.04941386	0.01166717	0.00110933	1.46609668	0.0088712	0.24127991	0.24376956	0	0.06443756
0.02585176	0.42088493	0.00356612	0.05600671	0.0078103	0.05130272	0.04224988	0.01580462	0.06286784
0.06899162	0.04977199	0.00072933	0.46673092	0.00941978	0.14680372	0.28968598	0.00075535	0.03516225
0.09522897	0.37197614	0.0012189	0.05021694	0.00730692	0.47296118	0.60083559	0.00121265	0.0742968
0.1097086	0.21076918	0.00101886	0.05102954	0.00625548	0.33382442	0.46552123	0.00101238	0.08201513
0.07202955	0.08158081	0.00076921	0.08872615	0.00380629	0.24241689	0.23276695	0.00073492	0.05816615

0.22929801	0.25066769	0.00127855	0.03189023	0.01015964	0.33984083	1.50148669	0.00127031	0.0397437
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0.01277821	0.61749307	0.00273766	0.12655806	0.03225363	0.06780339	0.04978115	0.00458372	0.11981566
0.02947012	0.38276144	0.00791266	0.16779001	0.02879664	0.08606388	0.06915324	0.0055455	0.13458227
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0.0376981	0.15041848	0.00126871	0.07073817	0.01389073	0.23240447	0.0581539	0.00062574	0.22614566
0.08900315	0.11749474	0.00076919	0.03896457	0.0038459	0.15970176	0.36358775	0.00076462	0.0790503
0.12177331	0.2783727	0.00091883	0.03074773	0.00722792	0.279049	0.70727948	0.00091222	0.03838967
0.04067841	0.33527025	0.00093909	0.07948609	0.00466428	0.28598905	0.47886315	0.00093396	0.08795661
0.06786278	0.06046755	0.00090909	0.57389037	0.00899846	0.14823474	0.28253353	0.00090392	0.04399126
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0.01287323	0.89355239	0.00114881	0.04374122	0.02700214	0.09250323	0.01328795	0.00228411	0.10233492
0.0153551	0.16095774	0.00085953	0.09595263	0.0042819	0.38543668	0.17807791	0.00085689	0.08895119
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0.4331036	0.27834631	0.00079912	0.01996623	0.00792931	0.12047327	0.58617793	0.0007941	0.0520235
0.0547263	0.23701932	0.00109893	1.23211064	0.00563091	0.2106662	0.3226316	0.00109289	0.14713321
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0.07443491	0.20269606	0.00104895	0.66605556	0.01085194	0.21729246	0.38384953	0.00109264	0.21849498
0.21548541	0.15499462	0	0.00799779	0.05269174	0.04673413	0.19467061	0	0.02037003
0.138511	0.20549778	0.00102904	0.03547595	0.00717667	0.36125177	1.04997725	0.00102361	0.0335537
0.06279816	0.10422223	0.00079923	0.40134031	0.00713588	0.204765	0.29975064	0.00079484	0.12147694
0.0073947	0.20408111	0.050966	0.07035796	0.00299098	0.06163192	0.03244864	0.00761593	0.0392204
0.69688805	0.14044916	0	0.00389237	0.01704098	0.03052324	0.77655568	0	0.01551688
0.08351038	0.03609576	0.00086948	0.03587933	0.01520825	0.59585503	0.38276869	0.00178286	0.01042373
0.06038747	0.54164518	0.00097894	0.01135823	0.01294085	0.10517244	0.12519923	0.00097291	0.12998739
0.02218018	0.00378731	0	1.9006346	0.00609033	0.08911227	0.17488506	0	0.07271568
0.07412201	0.08010847	0.00090913	0.02102435	0.00620919	0.36984888	0.3160761	0.00086444	0.04355817
0.01867595	0.23715787	0.02122737	0.09704583	0.03019748	0.0765383	0.04382424	0.00601696	0.04950996
0.21160229	0.22916991	0.00080907	0.01000103	0.00721099	0.07892909	0.91929044	0.00080379	0.03556671
0.07537353	0.16928049	0.00101932	0.12429725	0.00826064	2.27046985	0.30825299	0.00206074	0.07622056
0.03912536	0.05537454	0.00083951	0.18657676	0.00334314	0.22192489	0.18486651	0.00083671	0.0737531
0.04421032	0.26162171	0.00113877	0.22676259	0.01190503	0.15554592	0.18063389	0.00061554	0.38003763
0.03908666	0.27388885	0.00104897	1.01330563	0.01063348	0.14693552	0.24501251	0.00104312	0.15027638
0.47674104	0.16440944	0	0.00317493	0.00964875	0.02632362	1.35044083	0	0.02252212

0.00791846	0.01809264	0.00088932	0.01065728	0.00088764	0.01343597	0.14787735	0.00088549	0.00586499
0.79990193	0.15391301	0	0.00649858	0.01365773	0.06476138	0.58390963	0	0.02012741
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0.13668735	0.10398937	0.00076938	0.00257821	0.03083348	0.08036937	0.08812109	0.00076588	0.00882954
0.06103768	0.60051833	0.00069943	0.23291486	0.01405969	0.17962651	0.15706036	0.00381899	0.48847346
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0.51806648	0.24458941	0	0.00350785	0.03554052	0.02736068	1.08335925	0	0.02223909
0.03139526	0.07905035	0	0.00244302	0.10909483	0.01927961	0.03135912	0	0.00660988
0.06214172	0.21206883	0.00201785	0.5748887	0.00719322	0.19628095	0.35242291	0.00097305	0.21012956
0.02337959	0.2784993	0.00098893	0.10249739	0.00588764	0.33756579	0.19321732	0.00098283	0.09429233
0.10409122	0.07591023	0	0.00434182	0.03523184	0.04329283	0.04959413	0	0.00872045
0.06812953	0.02229845	0	0.00257183	0.02070251	0.02153828	0.02800246	0	0.00484891
0.05758438	0.21756644	0.00062942	0.42702146	0.01665612	0.17251112	0.17107655	0.002256	1.15150528
0.00840468	0.0192043	0.00093929	0.01130149	0.00093751	0.01425947	0.15692633	0.00093524	0.00622389
0.0377143	0.56459742	0.00204822	0.23587691	0.00819509	0.16999311	0.08555156	0.00256504	0.72259811
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0.00950308	0.27420454	0.76556757	0.13718716	0.00475346	0.09022454	0.04628078	0.01307268	0.05480166
0.07062323	0.03161616	0	0.00368769	0.02563206	0.0409271	0.0595888	0	0.00673559

0.05121486	0.10856907	0.00106891	1.32389553	0.00841998	0.16205544	0.28020698	0.00106273	0.15463809
0.01167831	0.1637045	0.00501448	0.00602714	0.00410422	0.04575961	0.02322445	0.01618055	0.01817278
0.01302907	0.01783297	0	0.00171053	0.21364019	0.01194426	0.00555151	0.00036831	0.00293573
0.01588413	0.01567299	0	0.00149971	0.24136979	0.01530026	0.00596207	0.00042813	0.00254265
0.57322727	0.119037	0	0.0046254	0.02734368	0.02753638	0.46351436	0	0.01888556
0.06472657	0.06608265	0	0.00307102	0.13758373	0.02993056	0.02073168	0	0.00615438
0.24344551	0.15496985	0	0.00457041	0.0495338	0.03677338	0.20938622	0.00057718	0.01567742
0.42554037	0.18830886	0	0.0046236	0.05982563	0.03104348	0.28718361	0	0.01840542
0.00873094	0.25197308	0.70355925	0.12607478	0.00436481	0.0829178	0.04252967	0.01200977	0.04420989
0.38363221	0.08820054	0.00063935	0.00922309	0.00941677	0.06360662	0.89679329	0.00063569	0.02547204
0.01488328	0.01761746	0	0.00185512	0.23757759	0.01660918	0.00639545	0	0.00276076
0.00995729	0.14433629	0.00084906	1.01123618	0.00420377	0.13196979	0.13588839	0	0.1306665
0.07635002	0.10286852	0.00054952	0.00354779	0.0622407	0.04461762	0.02820908	0.00051698	0.00793138
0.01338888	0.17319369	0.000849	0.10445853	0.0016831	0.18337642	0.09380189	0.00084336	0.08985225
0.01808713	0.22987235	0.01297788	0.07515118	0.02744047	0.07170514	0.03985064	0.00689682	0.04788521
0.01268408	0.00944094	0	0.00084256	0.23972468	0.0089342	0.00538024	0	0.00141778
0.0766047	0.02506547	0	0.00290128	0.02327784	0.03054777	0.03452168	0	0.00545503
0.01858498	0.19383087	0.00332677	0.00718558	0.01105245	0.05129804	0.03665167	0.02033738	0.02566795
0.01807401	0.28223637	0.00101887	0.22814844	0.00506034	0.37573219	0.09609397	0.00101245	0.14840804
0.01024834	0.24774939	0.00278704	0.00613891	0.02390119	0.03566703	0.00931602	0.0219236	0.02783684
0.0388208	0.23016654	0.0007493	0.0872269	0.00526291	0.27429626	0.2583489	0.00074536	0.06255549
0.01108346	0.09125596	0.00073944	1.11962737	0.00594414	0.14594538	0.12781338	0.00073623	0.05320509
0.01576066	0.14078043	0.0009292	1.07357254	0.00561305	0.14172302	0.14740151	0.00092464	0.08684761
0.32219599	0.10114335	0	0.00777996	0.02346657	0.09010756	0.14980615	0.00055666	0.01773832
0.00591746	0.08681876	0.00505479	0.02315682	0.0029394	0.02589907	0.01240237	0.00357526	0.01051344
0.016169	0.01363549	0	0.00131916	0.22512153	0.01364266	0.0063743	0	0.00221556
0.15801858	0.17644773	0.0010195	0.01942952	0.02847118	0.26757907	0.433439	0.00101666	0.03633693
0.39104727	0.15208536	0	0.00983615	0.03981153	0.05215182	3.22051788	0.00098343	0.02719794
0.01277039	0.29053541	0.00220781	0.00755847	0.03057411	0.04564264	0.01172576	0.02267924	0.03081553
0.04591109	0.28306907	0.000959	0.60625536	0.01178718	0.159699	0.26510866	0.00095335	0.22838471
0.62009963	0.20111179	0.00101895	0.01597221	0.03620018	0.0974798	2.52120967	0.00101303	0.03666933
0.11286258	0.04199302	0	0.00504024	0.05156027	0.05502036	0.09666678	2.9834E-05	0.00897006
0.33092814	0.10390696	0	0.00799066	0.02409459	0.05862306	0.15386199	0.00057654	0.01822409
0.0560432	0.25376121	0.00085912	0.04006482	0.00172384	0.15167579	0.52408167	0.00085414	0.05715913
0.04689756	0.09902285	0.00068934	0.07059459	0.00696656	0.2556958	0.12090904	0.00070544	0.06117556
0.04412967	0.11097729	0.00057952	0.00388019	0.03541846	0.02461186	0.02949714	0.00057683	0.01052856
0.0643154	0.0108883	0	0.00053637	0.60544469	0.00442291	0.02636695	0	0.00132937
0.0153985	0	0	0	0.01002746	0	0.03676393	0	0.00148839
0.01223033	0.0242857	0.0008793	0.01352917	0.00087756	0.01414696	0.21772343	0.00087532	0.00663944
0.14451416	0.03262531	0	0.00394183	0.03668578	0.02872474	0.0737814	0	0.00671856
0.01526872	0.01504121	0	0.00144526	0.23183405	0.0146893	0.00574116	0.00040822	0.00243848
0.02390032	0.2191175	0.00100881	0.09226596	0.00300758	0.23379558	0.30784549	0.00100205	0.10605696
0.03622322	0.284544	0.06857586	0.01077424	0.0066084	0.06181987	0.03300474	0.01414131	0.04006259
0.07272422	0.02935087	0	0.00063072	0.68161118	0.01306014	0.03066304	0	0.003546

7.783E-05	0.00025678	0	0	0.00090152	0.00019995	0.00016244	0	6.4368E-05
0.01808447	0.08158242	0.00144901	0.22648191	0.00435965	0.09847499	0.2999461	0.00072669	0.10793006
0.03724573	0.0007	0	0.00027934	0.00622148	0.00082134	-0.0447264	0	7.1836E-05
0.39794342	0.15480437	0	0.01001542	0.04052903	0.05308608	3.27825203	0.00099337	0.02768936
0.08469455	0.25989245	0.00086901	0.01099583	0.01467181	0.14198931	0.21314717	0.00086342	0.06503474
0.01489519	0.23694113	0.01846127	0.01195594	0.0049624	0.06643168	0.02776941	0.01257441	0.03262864
0.02232759	0.17616039	0	0.5102799	0.00466344	0.19838518	0.16461638	0	0.23440007
0.09177164	0.01350809	0	0.00060996	0.45037236	0.0076237	0.04935927	0	0.00187107
0.36788821	0.09215086	0	0.00820837	0.02261464	0.05176467	0.57383726	0.00044714	0.01700667
0.04151586	0.14192329	0.00097916	1.04558038	0.01389837	0.18370729	0.17661775	0.0009744	0.0708839
0.03358406	0.00677964	0	0.00079582	0.14597977	0.00804727	0.01837768	0	0.00134263
0.0142117	0.22988318	0.0008392	1.0042396	0.0059004	0.13426714	0.141632	0	0.12663179
0.01024449	0.00226749	0.000698	0.00189675	0.00278205	0.03351437	0.11571068	0.00068668	0.00055397
0.10625103	0.02058867	0	0.00064248	0.68603374	0.00876403	0.03991142	0	0.00204743
0.25209173	0.15475151	0	0.0043054	0.05558658	0.03526616	0.21548757	0	0.01570774
0.01323141	0	0	0	0.00776194	0	0.02345797	0	0.00129628
0.32177938	0.10103102	0	0.00776896	0.02343665	0.08999371	0.14960726	0.00055666	0.0177195
0.00556307	0.05788423	0.00108872	0.0017925	0.00275869	0.02513636	0.00851645	0.00580429	0.0065468
0.01465842	0.18350321	0.05910423	0.0576515	0.02142935	0.0586709	0.03459476	0.00807888	0.03172209
0.01626801	0.1762381	0.00647294	0.01285822	0.00556876	0.05486289	0.02486344	0.00811059	0.03062761
0.04637023	0.101473	0.00068936	0.07243499	0.00614012	0.24854589	0.11899418	0.00068574	0.06042622
0.03148102	0.05042302	0	0.76181215	0.00407635	0.23584022	0.17770418	0	0.15778511
0.4571123	0.13098798	0	0.00928413	0.01092298	0.08946858	0.6849553	0	0.02252286
0.02633421	0.00152853	0	0.00034815	0.18451107	0.0025965	0.01397766	0	0.00030299
0.04927976	0.04179138	0	0.00269695	0.09731653	0.02517831	0.01899974	0	0.00501473
0.65686144	0.21348884	0.001059	0.01638352	0.03736628	0.1107125	2.39267598	0.00105331	0.03902809
0.02937728	0.38327011	0.01578412	0.14153297	0.03665114	0.07303028	0.06987776	0.00826423	0.0820833
0.22634978	0.11088709	0	0.00746765	0.01987702	0.09492807	0.17856077	0.0005268	0.01815238
0.00518775	0.08999357	0.00455467	0.0318433	0.01326575	0.02400145	0.01197919	0.00363148	0.01849299
0.01725256	0.19428785	0.00259768	0.06103988	0.0142157	0.0419297	0.03556963	0.00653095	0.04423732
0.02501911	0.15404596	0.0006397	0.19950636	0.00515148	0.11699321	0.13759036	0.00063798	0.1020674
0.00394038	0.27432849	0.00092909	0.00110748	0.00843107	0.00655253	0.00300671	0.01044124	0.00537481
0.02586278	0.00033773	0	0	0.31720659	0.00031155	0.01251351	0	0.00030839
0.01068909	0.00494348	0	0.00020496	0.02842541	0.00288901	0.03415043	0	0.00086279
0.04075456	0.28345131	0.14851864	0.0123435	0.00930685	0.06738603	0.03662113	0.01193838	0.04066977
0.00426613	0.13537539	0.00071912	0.27476636	0.00143383	0.04190791	0.02973667	0.0007141	0.06886386
0.00542767	0.00532091	0	0.00022595	0.02722878	0.00457528	0.00284361	0	0.00042298
0.0157884	0.2183346	0.00203784	0.00949917	0.00536013	0.04404044	0.0190543	0.02602479	0.03125591
0.013591	0.1955647	0.00678274	0.00820978	0.0080499	0.06200735	0.0383319	0.01991703	0.02477098
0.03814962	0.00231571	0	0.00041539	0.205148	0.00323658	0.02394454	0	0.00035861
0.00039139	0.00027682	0	4.4984E-05	0.00139421	0.00027242	0.00030478	0	8.5117E-05
0.01066828	0.08327861	0.00062941	0.25529403	0.00315972	0.0501275	0.07955953	0.00062609	0.08681226
0.01449377	0.01384582	0	0.00034402	0.06313065	0.0083674	0.06093238	0	0.00141702
0.00049565	0.00163006	0	0.00014663	0.0025601	0.0008996	0.00065573	0	0.00017329

0.00688567	0.1210303	0.00057931	0.19479404	0.00173277	0.04517661	0.03743249	0.00057539	0.05728068
0.03935788	0.00771376	0	0.00081587	0.14410438	0.00896437	0.02166924	0	0.00138251
0.01445831	0.00970513	0	0.00029028	0.05526012	0.00840113	0.00758674	0	0.00078277
0.25286878	0.12997155	0	0.0147055	0.01925007	0.11179269	1.54085868	0.00091272	0.02765405
0.0233213	0.0893523	0.00098885	0.35469084	0.00490004	0.09489501	0.3255537	0.00098232	0.08911384
0.03590152	0.01063858	0	0.00032606	0.21316339	0.01831392	0.01450444	0	0.00106357
0.02902751	0.12515299	0.00066941	0.32442557	0.00464565	0.17550824	0.05284448	0	0.11520882
0.03574578	0.05231608	0.00069938	0.21761036	0.00345929	0.07018168	0.39764608	0.00069586	0.04871709
0.04622202	0.03900207	0	0.13636546	0.00422757	0.09447305	0.49942158	0	0.03053888
0.01944064	0.00070267	0	0.0235094	0.0036765	0.05967396	0.32616892	0	0.00283437
0.00378776	0.09983973	0.00041954	0.30223905	0.00127515	0.04718521	0.02524531	0.00041696	0.10258609
0.02487354	0.10944275	0.00056952	0.28727632	0.00454649	0.09727236	0.04582081	0.00056677	0.09891503
0.03442082	0.04223865	0.00070916	0.21004746	0.00354529	0.06855002	0.38754961	0.00070439	0.04487172
0.04389552	0.01121692	0	0.00050393	0.80948641	0.0029282	0.01665455	0	0.00124383
0.01546488	0.00015751	0	3.8001E-05	0.00407676	0.00033753	0.03844492	0	0.00012142
0.04881375	0.02243976	0	0.00188646	0.11351146	0.01683305	0.02416685	0	0.00278479
0.00709922	0.00308904	0	0.00013393	0.0169239	0.00165286	0.02376018	0	0.00042723
0.25326681	0.02429473	0	0.00055005	0.1611837	0.00907555	0.16873697	0	0.00268698
0.01225754	0	0	0	0.00692034	0	0.0183542	0	0.00174253
0.00272953	0.1007668	0.00055919	0.19937168	0.00110443	0.02878699	0.02069835	0.00055462	0.04965003
0.00810607	0.01278412	0	0.00051782	0.05016586	0.00510369	0.01157277	0	0.00092382
0.01099259	0.01028966	0	0.0002876	0.04782916	0.00618731	0.0448153	0	0.00132649
0.17501054	0.00137858	0	0.00049406	0.02102052	0.04778649	0.99581522	0	0.00042337
0.03001862	0.00062306	0	0.00035168	0.23172708	0.00088248	0.01821451	0	0.00030086
0.02708401	0.05874868	0.00069915	0.21918593	0.01470783	0.16123382	0.2916723	0.00069436	0.0333328
0.00449398	0.00871502	0	0.00042696	0.01247583	0.00481248	0.00457031	0	0.0007259
0.00289752	0.00202949	0	0	0.00684186	0.00237206	0.00194838	0	0.00045338
0.02061032	0.12167161	0.00118871	0.31204637	0.00415421	0.12214522	0.14616864	0.00118138	0.1151677
0.03420522	0.01076502	0	0.00031904	0.21219411	0.01862587	0.0243186	0	0.0010348
0.01999222	0.12309448	0	0.2531282	0.00464589	0.10203918	0.2775363	0	0.06690378
0.04990788	0.06932509	0.00065919	0.32475753	0.0165486	0.16879819	0.28192534	0.00065457	0.04598635
0.04802992	0.00069166	0	0.02145003	0.00597415	0.13221412	0.54422455	0	0.00363858
0.02307997	0.08964692	0.00064923	0.25366694	0.01163191	0.12202383	0.27636708	0.00064488	0.05336593
0.01490787	0.16747821	0.00439534	0.00998501	0.00548964	0.05556163	0.02133808	0.01410952	0.02918782
0.0142436	0.12455868	0.00054949	0.28089577	0.00276097	0.10159361	0.09398775	0.00110308	0.10724425
0.01681013	0.01357174	0	0.00025583	0.03292311	0.01627843	0.03910569	0	0.00104399
0.02669218	0.09079081	0.00072921	0.25509406	0.01526193	0.13804575	0.26793924	0.00072471	0.05507413
0.03863745	0.04945363	0	0.15449037	0.01689957	0.1741727	0.3654819	0	0.02425732
0.07196672	0.06087476	0	0.16129576	0.00725896	0.11203993	0.60392276	0	0.02957964
0.01238065	8.1841E-05	0	5.2265E-05	0.00609273	0.00020679	0.02920191	0	0.0001128
0.00922347	0.00622005	0	0.00016932	0.02909097	0.00461554	0.02750827	0	0.00077803
0.0082074	0.00769025	0	0.00018329	0.03382219	0.00500239	0.03868324	0	0.00069227
0.03614875	0.01072084	0	0.00032608	0.21472745	0.01846314	0.01460506	0	0.00107279
0.01615354	0.00016637	0	3.8233E-05	0.00425945	0.00036312	0.04017178	0	0.00012128

0.02557477	0.13827105	0.0006193	0.27610326	0.0042931	0.15006771	0.19521246	0.00061535	0.10800539
0.2255674	0.00116899	0	0.0003373	0.03485672	0.01132779	1.26469055	0	0.00042694
0.02934316	0.0062843	0	0.00013719	0.02896375	0.00314747	0.05674746	0	0.0006476
0.02604739	0.08517472	0.00062917	0.25282617	0.01376655	0.12633854	0.25898713	0.00062447	0.0516963
0.01367157	0.1330659	0.00428546	0.0053807	0.01048119	0.03721682	0.02517082	0.01245148	0.01824041
0.06247228	0.02094785	0	0.00048742	0.15100672	0.03024155	0.03418358	0	0.0015904
0.07072324	0.00106044	0	0.00015006	0.01082162	0.00257346	0.32982488	0	0.00039619
0.01289613	0.01341099	0	0.00044536	0.04149396	0.00821902	0.01395412	0	0.00110844
0.01231193	0.00795111	0	0.00023442	0.03997436	0.00628012	0.00621913	0	0.00064346
0.01385143	0.00825834	0	0.00027748	0.04676921	0.00684396	0.00699207	0	0.00074831
0.0751286	0.05254034	0	0.00057815	0.11370245	0.04029224	0.04432554	0	0.00400011
0.00645415	2.8405E-05	0	-0.00019487	0.00216059	0.00023702	0.01244967	0	0.00026215
0.0072623	0.0074539	0	0.00015939	0.0312034	0.00460899	0.02960472	0	0.00080183
0.00525159	0.00630501	0	0.0002994	0.01803325	0.00404894	0.00346769	0	0.00049513
0.00792314	0.00833836	0	0.00021104	0.03013199	0.00723773	0.02321017	0	0.00076364
0.00159259	4.2095E-05	0	0	0.00134938	0.00020435	0.00386348	0	0.00022389
0.0074116	0.00933351	0	0.00025856	0.04159709	0.0067974	0.01343876	0	0.00089607
0.02102122	0.00018047	0	6.9124E-05	0.00608037	0.00053746	0.05762372	0	0.00010262
0.01818649	0.00012834	0	1.3591E-05	0.00956574	0.00091281	0.10663866	0	0.00024848

WV	WI	BIOG	OTHER	ICBC	SOA	total sulfat	total sulfat	calibration
0.50059036	0.26595826	0	0.85187	0.68034	0	9.58032	13.5808	0.598048
0.16071617	0.06162965	0	1.94114	0.62584	0	8.376325	9.60793	0.380701
0.14153846	0.08369541	0	1.31123	0.77056	0	9.314561	11.54984	0.392665
0.20428386	0.13947953	0	0.44741	0.37498	0	4.434626	6.52751	0.690399
0.15466037	0.07069617	0	1.8777	0.60017	0	8.096268	9.26023	0.377639
0.11633824	0.06874555	0	1.07718	0.63385	0	7.625301	9.49309	0.393169
0.06124983	0.2084905	0	0.57156	0.49182	0	6.379449	7.88129	0.443807
1.13186296	0.30044969	0	0.99892	0.95513	0	10.50322	15.09886	0.604115
0.15142942	0.09506066	0	1.8132	0.59071	0	7.413385	8.47439	0.360335
0.07269248	0.02973678	0	0.16636	0.54834	0	6.398572	8.21664	0.58815
0.12279227	0.09875877	0	0.79046	0.88437	0	7.965332	10.65596	0.638378
0.12353282	0.07609433	0	2.47331	0.49659	0	6.564934	7.54117	0.440214
0.45474632	0.21166325	0	0.65648	0.75059	0	6.790086	10.03964	0.682007
0.07661155	0.9604903	0	0.43249	0.64755	0	6.886045	9.0251	0.585164
0.388647	0.06726475	0	0.27543	0.77935	0	8.97521	9.58764	0.152934
0.11844424	0.02939971	0	0.86405	0.44185	0	6.677741	8.83117	0.537765
0.12331321	0.03061913	0	0.89948	0.46025	0	6.952623	9.1961	0.538013
0.12097725	0.03003894	0	0.88248	0.4514	0	6.820663	9.0208	0.537878
0.34404672	0.2348633	0	0.68072	0.55426	0	6.390144	8.91202	0.626644
0.13830544	0.06297259	0	1.674	0.53782	0	7.231314	8.27351	0.37946
0.08828569	1.10709103	0	0.49836	0.74616	0	7.921796	10.40069	0.585035
0.24514101	0.03559857	0	0.36354	1.14721	0	7.283864	8.67641	0.526858
0.05675267	0.02775598	0	0.13723	0.37497	0	4.825264	6.777	0.720865
0.1433349	0.06515036	0	0.61541	0.66056	0	6.883948	9.25362	0.510065
0.12839294	0.10320223	0	0.8261	0.92427	0	8.411985	11.13788	0.63786
0.22804549	0.06753919	0	1.33812	0.42392	0	6.493232	7.98552	0.469278
0.35225502	0.33982276	0	0.58616	0.70345	0	7.040806	10.30334	0.689198
0.13484237	0.25576174	0	0.61138	0.58681	0	7.221327	9.0695	0.499509
0.23190712	0.10862658	0	1.50835	0.46766	0	7.357855	8.82146	0.450484
0.05827086	0.15444829	0	0.46991	0.40229	0	5.872753	7.1785	0.42772
0.08889596	0.12326261	0	0.57295	0.47472	0	8.720982	10.12461	0.276395
0.06746761	0.23406786	0	0.44611	0.54382	0	6.953808	8.89772	0.492273
0.11351312	0.06709603	0	1.05126	0.61825	0	7.439579	9.2626	0.392954
0.12064656	0.07132497	0	1.11746	0.65699	0	7.909473	9.84476	0.392842
0.82908272	0.22008846	0	0.73165	0.69957	0	7.693725	11.05998	0.604091
0.17875675	0.10031163	0	1.57484	0.59879	0	7.698509	9.10693	0.402983
0.27984131	0.09552468	0	1.01202	0.66576	0	8.60177	12.0897	0.575005
0.3800035	0.15961271	0	0.50599	0.50815	0	6.246539	9.61439	0.748111
0.09180684	0.16989094	0	1.08746	0.82128	0	7.326589	9.59267	0.512699
0.2666771	0.12232609	0	0.24058	0.37037	0	4.081833	5.83694	0.629271
0.14258471	0.03538989	0	1.04018	0.53182	0	8.038574	10.63036	0.537692
0.10081892	0.18671163	0	0.5034	0.45626	0	6.457889	8.11039	0.503153
0.17250019	0.07331476	0	2.01659	0.63265	0	8.094943	9.17121	0.343037

0.13155188	0.11440851	0	0.71056	0.48566	0	7.374771	8.95971	0.379078
0.08330484	0.938484	0	0.46482	0.60692	0	7.390051	9.76712	0.596289
0.11516204	0.02858332	0	0.8401	0.42961	0	6.49269	8.58648	0.537775
0.29545561	0.2628582	0	0.84368	0.60236	0	7.207388	10.70153	0.693652
0.33770632	0.22876567	0	0.69909	0.52376	0	7.232818	9.90822	0.566754
0.33054673	0.13922216	0	0.40396	1.18825	0	8.750534	10.35241	0.394994
0.07082659	1.06348667	0	0.17213	0.29919	0	4.045766	4.70813	0.450095
0.08415149	0.02701021	0	0.38696	0.23274	0	2.660139	3.5202	0.513491
0.14259073	0.06481551	0	0.6122	0.65718	0	6.915832	9.20556	0.510131
0.06164129	0.14669055	0	0.52525	0.39805	0	6.687152	7.87068	0.333617
0.14737913	0.8819494	0	0.43687	0.57042	0	7.014358	9.17951	0.59634
0.93936458	0.2493487	0	0.8291	0.79277	0	8.676613	12.53119	0.604152
0.12668221	0.07489175	0	1.17344	0.68988	0	8.297398	10.33778	0.392828
0.19740871	0.06739629	0	0.71406	0.46984	0	6.078163	8.53026	0.575257
0.14954298	0.08617932	0	1.03111	0.93503	0	8.226465	10.88434	0.605156
0.60710934	0.19393606	0	0.69306	1.66475	0	11.50668	13.49559	0.361771
0.23221509	0.0407097	0	0.39105	0.84421	0	7.703198	9.97012	0.577759
0.09520887	0.24011467	0	0.35322	0.4946	0	6.314617	7.48267	0.449622
0.26274665	0.13423289	0	0.64581	0.59612	0	7.805389	11.25811	0.629313
0.07533262	0.12611267	0	0.51212	0.3835	0	8.01532	9.00758	0.224808
0.12608672	0.057314	0	0.54136	0.58119	0	6.037639	8.14064	0.510178
0.35525644	0.02853288	0	0.20868	0.78527	0	8.442105	9.63173	0.461198
0.08216071	0.2336591	0	0.34929	0.54765	0	6.857948	7.93592	0.436335
0.12300836	0.06768645	0	0.65657	0.64725	0	6.474194	8.87432	0.549365
0.51248641	0.08666445	0	0.89395	0.61836	0	7.909894	10.20027	0.449789
0.29866794	0.07387045	0	1.35605	0.88864	0	9.299287	13.06667	0.595759
0.07665596	1.15038436	0	0.18627	0.32377	0	4.377196	5.0942	0.450322
0.30366338	0.12917699	0	0.80982	0.66179	0	8.698161	13.63262	0.705998
0.48517349	0.09830058	0	0.99134	0.69871	0	8.019224	10.73862	0.515193
0.22824734	0.15503215	0	0.558	0.54955	0	7.171824	12.65663	0.826172
0.22934183	0.13948552	0	0.92462	0.66944	0	7.222628	11.06562	0.727271
0.22681049	0.0417561	0	0.4058	0.97019	0	6.372396	8.06421	0.588992
0.0584571	0.14949912	0	0.47276	0.40748	0	5.808815	7.14641	0.440883
0.37656565	0.03023865	0	0.22137	0.83211	0	8.890922	10.21807	0.461086
0.15601285	0.0551892	0	1.6936	0.56729	0	7.013573	8.19378	0.409228
0.14702052	0.05693412	0	1.78709	0.57007	0	7.688412	8.80588	0.376914
0.44317752	0.05153249	0	0.41395	1.08448	0	7.897814	8.93147	0.319724
0.10540691	0.03831916	0	1.21658	0.52527	0	6.793813	8.47862	0.48952
0.19199411	0.09871955	0	1.59222	0.62514	0	8.037355	9.42739	0.364672
0.36313223	0.25100891	0	0.74099	0.60667	0	6.677242	9.58067	0.646708
0.20583357	0.07027474	0	0.74458	0.48995	0	6.324559	8.89486	0.575321
0.17139363	0.06763675	0	0.60579	0.67819	0	8.297728	10.6436	0.4226
0.06471288	0.19807376	0	0.53595	0.48599	0	6.779121	8.62733	0.504998
0.08578208	0.62581956	0	0.3493	0.52281	0	5.872366	7.14795	0.518024

0.68595495	0.26504734	0	0.80753	0.68832	0	7.833301	11.342	0.621618
0.12337914	0.04249207	0	1.09589	0.51194	0	6.705037	8.86652	0.567076
0.17835962	0.05166697	0	0.56459	1.28008	0	6.604387	8.71034	0.660924
0.08315172	0.66108882	0	0.43408	0.4757	0	5.621752	7.44445	0.614385
0.24911071	0.13234994	0	0.42405	0.33871	0	4.785782	6.75914	0.598258
0.21065753	0.09726527	0	0.54215	0.41737	0	4.310465	6.28823	0.652358
0.08410435	0.11050392	0	1.22345	0.71738	0	7.56796	9.4509	0.42059
0.30765209	0.06460551	0	0.71701	0.45715	0	6.41209	8.91316	0.54124
0.07415024	0.93091403	0	0.41822	0.62617	0	6.674127	8.73441	0.584167
0.25925393	0.0995972	0	0.52953	1.24575	0	6.852941	8.39413	0.598744
0.06643519	0.20043973	0	0.62923	0.51246	0	6.854293	8.35202	0.414333
0.34883236	0.0280008	0	0.20496	0.77057	0	8.231634	9.45958	0.460831
0.11822393	0.09476732	0	0.75877	0.84909	0	7.785868	10.23689	0.635289
0.1540349	0.23650728	0	0.3642	0.43681	0	6.47666	8.1063	0.452158
0.17396386	0.1189614	0	1.02274	0.70682	0	7.387747	10.08275	0.605536
0.11885344	0.09408181	0	0.85611	0.43717	0	6.290441	9.27693	0.65172
0.24334997	0.16264465	0	0.52053	0.44587	0	5.23612	7.80304	0.69746
0.22312668	0.05154186	0	0.50682	1.099	0	6.848554	8.40881	0.567639
0.08485274	0.02720855	0	0.38973	0.23398	0	2.682758	3.54583	0.511753
0.12482893	0.06868045	0	0.66612	0.65638	0	6.573331	9.00348	0.548929
0.24973201	0.08760006	0	1.22687	0.86586	0	9.114559	12.46719	0.541045
0.3017649	0.11243865	0	0.67537	0.64226	0	6.635464	9.42189	0.593029
0.16882198	0.11539268	0	0.99188	0.68467	0	7.120723	9.77494	0.604406
0.42071501	0.167541	0	0.44451	0.49907	0	5.867657	9.44836	0.773609
0.14084802	0.08111688	0	0.97048	0.88006	0	7.744364	10.24814	0.604238
0.25182296	0.1144772	0	0.9128	0.5917	0	7.559961	12.74654	0.788946
0.15891301	0.07450148	0	1.8759	0.4991	0	6.584143	7.75155	0.446436
0.93839316	0.34569921	0	0.47696	0.56171	0	7.697769	12.55844	0.754267
0.93288362	0.24764103	0	0.82331	0.78722	0	8.616831	12.44462	0.604118
0.2198819	0.1135157	0	0.71806	0.55053	0	6.392286	9.97807	0.738033
0.02316632	0.00760709	0	0.15339	0.67353	0	5.386531	6.32828	0.395582
0.25648429	0.15441333	0	0.59096	0.56357	0	5.79849	8.67738	0.664935
0.29004142	0.11847322	0	0.72985	0.59798	0	7.886874	12.3655	0.703176
0.19759482	0.08615507	0	1.63696	0.64454	0	8.265669	9.70036	0.366174
0.1073153	0.0862014	0	0.69004	0.77208	0	7.070314	9.30506	0.637187
0.12065045	0.04104768	0	0.55008	0.33645	0	3.618334	4.80519	0.536049
0.19333434	0.03385116	0	0.33814	0.69717	0	6.61728	8.45764	0.56988
0.16036594	0.07260174	0	1.15013	0.86509	0	8.271341	11.63495	0.710493
0.18342647	0.38265077	0	2.02292	0.75322	0	7.657295	9.55521	0.564243
0.29466138	0.11993101	0	0.72624	0.59228	0	8.099907	12.35758	0.68753
0.03827195	0.17111599	0	0.40806	0.43141	0	6.348942	7.63673	0.385858
0.13908136	0.06322971	0	0.59719	0.64153	0	6.659788	8.9818	0.51057
0.45484497	0.11377699	0	0.60766	1.15257	0	7.372374	8.65581	0.447073
0.295653	0.15994684	0	0.42425	1.30763	0	7.259896	8.81466	0.532961

0.26535102	0.11953505	0	0.68843	0.5853	0	7.495561	11.96975	0.725455
0.3317202	0.11824648	0	0.57021	0.94415	0	8.816034	10.72802	0.546229
0.20083877	0.08687527	0	1.60372	0.64091	0	8.074649	9.62049	0.393402
0.33616591	0.0270042	0	0.19786	0.74355	0	7.953747	9.13611	0.461784
0.06489096	0.1270192	0	0.53233	0.40225	0	8.241229	9.32527	0.230333
0.08130597	0.64994447	0	0.52177	0.71282	0	6.791644	8.17776	0.497191
0.2144908	0.03756223	0	0.36978	0.77557	0	7.32107	9.31397	0.572647
1.24356106	0.34617313	0	0.49112	0.55818	0	6.9438	12.04844	0.794435
0.12123526	0.38194135	0	0.2949	0.49958	0	5.599036	6.45259	0.468141
0.2254856	0.05201593	0	0.51269	1.10834	0	6.892636	8.49599	0.566164
0.07967783	0.33100577	0	0.54429	0.5139	0	7.035899	8.59163	0.469024
0.18359901	0.13951238	0	0.66233	0.53524	0	7.60026	11.0955	0.734578
0.26526461	0.05840092	0	0.61076	0.44882	0	7.551826	10.56653	0.654186
0.15807917	0.12586201	0	1.09574	0.6107	0	8.810111	10.66783	0.375995
0.00067968	0.00332552	0	0.45903	0.57575	0	1.710976	1.65688	-0.65887
0.29123222	0.07775882	0	0.43691	0.72017	0	6.276355	7.61799	0.494642
0.12756464	0.26704264	0	0.51115	0.50386	0	7.216601	8.80384	0.433669
0.21564781	0.11516444	0	0.72328	0.54513	0	6.599586	9.77193	0.738929
0.10422047	0.03108066	0	0.24779	1.0394	0	6.857905	8.33184	0.538803
0.74005355	0.1899621	0	0.99221	0.82034	0	8.437286	12.51004	0.665812
0.18782891	0.09833034	0	0.54156	0.43726	0	6.054302	10.32232	0.81592
0.1229244	0.30589268	0	0.63751	0.61576	0	7.693058	9.42696	0.457667
0.92356498	0.25802948	0	0.49928	0.49718	0	6.79922	11.50121	0.793541
0.12682163	0.22722588	0	0.23693	0.38741	0	5.354732	6.38987	0.444932
0.3333043	0.14051622	0	0.75236	0.62265	0	8.034789	12.45714	0.724129
0.19324142	0.0674716	0	0.33004	0.34738	0	6.1483	9.94579	0.758686
1.19030456	0.23001453	0	0.64068	0.63906	0	8.086293	12.84855	0.705065
0.19820386	0.05076614	0	0.19318	0.33373	0	4.826606	7.17625	0.679124
0.15527545	0.12235226	0	0.5125	1.50797	0	5.34011	6.67463	0.702134
0.19278358	0.09638467	0	1.2179	0.39727	0	6.020791	7.30561	0.471139
0.14581372	0.11764977	0	0.77175	0.49556	0	7.510202	10.4504	0.684886
0.25368317	0.11197767	0	0.55594	0.55253	0	8.062153	12.91863	0.786481
0.20416298	0.06329469	0	1.42323	0.62985	0	8.298445	10.27076	0.432069
0.05895432	0.11768123	0	0.48565	0.36536	0	7.558297	8.52385	0.227733
0.23721252	0.0365918	0	0.38263	1.88688	0	7.028886	8.63151	0.613836
0.10967899	0.06511271	0	1.09595	0.61786	0	7.078073	9.02453	0.440747
0.05385277	0.08509801	0	0.34828	0.28779	0	5.325195	6.1572	0.27581
0.28324488	0.15836197	0	0.4218	1.3161	0	6.911972	8.57909	0.569195
0.61705879	0.09172514	0	0.68268	0.99204	0	7.338203	9.58141	0.656688
0.32372504	0.11146595	0	0.71873	0.60809	0	6.333572	9.13885	0.627196
0.21669894	0.08346083	0	0.37488	1.60719	0	6.645965	8.22874	0.623921
0.09756185	0.28382688	0	0.49005	0.46897	0	6.412377	8.09535	0.505054
0.08835089	0.24995863	0	0.47365	0.55457	0	7.249207	9.49156	0.528847
0.31999308	0.04205172	0	0.74514	0.64777	0	7.888085	12.80379	0.722994

0.15691795	0.10376225	0	1.31692	0.61403	0	6.842317	8.98326	0.579691
0.25767123	0.11759577	0	0.63724	0.51087	0	7.008168	10.63543	0.755597
0.14984838	0.06132732	0	0.76943	0.48492	0	5.651134	7.71528	0.558407
0.17806623	0.05175124	0	0.56431	1.2832	0	6.599841	8.71605	0.663356
0.09206151	0.15333935	0	0.88914	0.51128	0	5.909345	7.64022	0.575666
0.10021087	0.16112107	0	0.69449	1.27127	0	4.239418	5.14899	0.661693
0.87563995	0.23590006	0	0.50366	0.47294	0	6.414441	10.91721	0.799938
0.52981942	0.07732005	0	0.49981	0.77607	0	7.943767	10.36429	0.644276
0.09174343	0.18707837	0	0.29438	0.39628	0	6.546381	7.27132	0.315892
0.22689925	0.11714233	0	0.74095	0.56807	0	6.606066	10.29615	0.737994
0.17212248	0.06791467	0	0.60851	0.68019	0	8.316756	10.68531	0.421875
0.09920091	0.22553117	0	0.79863	0.69747	0	6.795601	9.15567	0.622379
0.36400504	0.04704651	0	0.32808	1.31883	0	8.529676	10.08335	0.40842
0.25921865	0.12017559	0	0.71672	0.60916	0	7.680746	12.22664	0.726751
0.23995431	0.03685276	0	0.3886	1.89428	0	7.138223	8.72663	0.60875
0.08811612	0.71809239	0	0.17455	0.31391	0	4.042851	5.03428	0.580328
0.86142703	0.07917238	0	0.61174	0.48123	0	6.32262	10.74967	0.759485
0.11031223	0.07431988	0	0.80536	0.82345	0	7.128669	9.83095	0.737406
0.17799568	0.37131445	0	1.96273	0.73111	0	7.430022	9.27239	0.564408
0.27561884	0.43373591	0	1.92463	0.9728	0	9.720272	12.28272	0.557556
0.31924744	0.20851457	0	0.80085	1.31538	0	9.215632	11.62998	0.545079
0.15434885	0.12694444	0	0.80947	0.5365	0	7.918184	11.0326	0.703942
0.13542707	0.10943121	0	0.71768	0.46113	0	6.978996	9.71723	0.68601
0.26345952	0.22873289	0	0.71901	0.50941	0	6.342629	9.25985	0.666568
0.07972259	0.0249448	0	0.16369	0.42609	0	4.760422	6.92752	0.726371
0.13128627	0.23823971	0	0.57471	0.50221	0	7.104777	8.87081	0.483411
0.11711566	0.62192311	0	0.31453	0.44958	0	5.380627	7.05322	0.596677
0.01605455	0.00456898	0	0.18749	1.43448	0	10.61228	11.2822	0.150134
0.02328568	0.03081529	0	0.17994	0.83478	0	5.877073	7.02328	0.445707
0.17155405	0.0895787	0	0.38408	1.27717	0	5.367425	6.67013	0.677872
0.17767267	0.1495124	0	0.74811	0.47757	0	6.443525	9.14357	0.616959
0.0882508	0.35357391	0	0.54798	0.62193	0	6.998326	8.80763	0.495529
0.04522564	0.19471717	0	0.23279	0.30895	0	3.958991	5.21132	0.549614
1.0083063	0.37011093	0	0.51037	0.60038	0	8.252693	13.44016	0.752019
0.14672116	0.04927765	0	1.47825	0.65718	0	8.322843	10.67567	0.531687
0.12058065	0.06730073	0	0.88105	0.43622	0	5.97405	7.46302	0.445527
0.06114284	0.02572789	0	0.25565	1.41627	0	6.102961	6.85823	0.405379
0.25449365	0.09084253	0	0.92531	0.72733	0	7.102846	10.00969	0.608317
0.43088998	0.05455955	0	0.37153	0.93969	0	8.533524	10.19205	0.509007
0.20363612	0.2252686	0	1.91067	0.71236	0	7.482351	8.59369	0.375204
0.08508571	0.03999107	0	0.19165	0.4465	0	5.06931	7.25936	0.728571
0.29682665	0.15292198	0	0.56078	0.56364	0	5.827321	8.4961	0.634498
0.24356648	0.06263277	0	1.43774	0.47318	0	7.047071	8.75218	0.48777
0.31568842	0.04300151	0	0.31187	1.17487	0	7.332775	8.6902	0.427762

0.301126	0.04102668	0	0.29734	1.12177	0	6.948079	8.2885	0.428492
0.39779266	0.21631846	0	0.74556	0.6407	0	6.578179	9.53071	0.65523
0.16061333	0.26141494	0	0.38456	0.53848	0	6.961779	8.14653	0.449623
0.23084726	0.10526093	0	0.52854	0.5406	0	7.330262	11.95948	0.789992
0.29122224	0.2845085	0	0.88821	0.65142	0	8.843105	15.3611	0.823594
0.00641008	0.05947361	0	0.31938	1.85411	0	2.628132	2.64215	0.486792
0.11618865	0.06267106	0	0.91437	0.55055	0	6.760756	9.42956	0.725839
0.51754831	0.07242203	0	0.62324	0.98559	0	7.658816	9.9685	0.638273
0.26451466	0.09581134	0	0.36308	1.70699	0	6.949669	8.63733	0.594223
0.32311537	0.06399055	0	0.64238	1.22776	0	7.371945	10.01658	0.677087
0.18416438	0.06303567	0	0.64516	0.37095	0	4.87005	7.20906	0.759189
0.06463553	0.12951202	0	0.53342	0.40093	0	8.278957	9.35596	0.228316
0.11689679	0.10902107	0	0.73488	0.42943	0	6.231092	7.61811	0.409486
0.52167362	0.20300073	0	0.66358	0.66022	0	6.813084	10.30846	0.701592
0.15781569	0.13200836	0	0.61306	0.4831	0	6.708845	9.68509	0.731258
0.09982525	0.11976908	0	0.51981	0.42108	0	8.028666	9.22929	0.268628
0.18589303	0.03716186	0	0.42585	0.62113	0	8.875207	12.54902	0.773639
0.42978467	0.06970376	0	0.42134	0.74983	0	9.00171	10.94178	0.52129
0.38763577	0.09840033	0	0.58243	0.97735	0	8.584425	10.2517	0.472743
0.24493569	0.09417559	0	0.50006	1.17831	0	6.334423	7.93087	0.599571
0.15915938	0.03921615	0	0.4603	0.5508	0	7.994574	11.33673	0.850019
0.50883137	0.25236944	0	1.16204	0.68493	0	8.612404	12.67457	0.691845
0.10126464	0.03087762	0	0.23461	1.24225	0	6.637536	7.97812	0.442412
0.22805094	0.04316712	0	0.39205	1.01061	0	6.289113	7.99069	0.613266
0.0972029	0.18974589	0	0.56704	0.62483	0	6.974218	9.15571	0.669243
0.35505684	0.09197952	0	0.44459	1.37507	0	9.24075	10.96402	0.443199
0.17534217	0.13616084	0	0.75973	0.44301	0	6.612865	8.31017	0.482353
0.06977521	0.35050275	0	0.35393	0.48428	0	6.129852	8.1367	0.56385
0.39087209	0.05332709	0	0.30452	1.52317	0	8.224279	9.86382	0.438484
0.12632508	0.05325889	0	0.20528	0.42908	0	5.979658	8.65344	0.68179
0.09963813	0.04326889	0	0.21772	0.41554	0	4.906889	7.39529	0.748613
0.09004988	0.02564444	0	0.22009	1.25683	0	6.380427	7.45159	0.485602
0.13255103	0.59040723	0	0.335	0.44224	0	5.886643	7.52242	0.586108
0.60137453	0.09087444	0	0.58315	0.91962	0	8.89901	11.91743	0.669876
0.27630486	0.29055465	0	0.7992	0.6887	0	9.458899	15.2338	0.742754
0.10164917	0.13743133	0	0.65432	0.49125	0	7.799512	9.44591	0.383499
0.22886948	0.03009422	0	0.32171	0.5505	0	5.69428	7.07397	0.709596
0.27931693	0.16850791	0	0.45672	1.41473	0	7.105472	8.79736	0.598248
0.59235034	0.11638154	0	0.50854	0.7642	0	7.735883	9.96693	0.607815
0.19477923	0.08573145	0	0.40127	1.2251	0	5.172804	6.39341	0.58167
0.25105597	0.22673134	0	0.74833	0.64342	0	7.871879	12.38232	0.743141
0.11638014	0.0385431	0	1.31199	0.54931	0	6.795071	8.70542	0.49997
0.07513079	0.03157627	0	0.7449	0.34351	0	3.340735	4.66766	0.615065
0.03071962	0.01071915	0	0.17867	0.73822	0	5.954811	7.05211	0.425206

0.15479749	0.04283482	0	0.56442	0.34658	0	3.766861	5.07394	0.553187
0.21815232	0.06635378	0	0.26414	0.34486	0	5.211557	6.10707	0.618661
0.32460137	0.04760158	0	0.34145	1.24535	0	7.037728	8.56658	0.487436
0.17361345	0.04279668	0	1.39441	0.57935	0	7.521638	9.48133	0.530062
0.06459451	0.02668752	0	0.17826	0.70069	0	5.897418	8.05057	0.723779
0.1959484	0.16028813	0	0.63258	2.0113	0	6.772401	8.38595	0.697018
0.15727289	0.04969009	0	0.21794	0.40503	0	5.122483	7.47583	0.697344
0.22258807	0.05517073	0	0.63691	1.57554	0	5.642107	6.99955	0.668999
0.18554421	0.14002729	0	0.33753	0.32551	0	6.484764	11.15535	0.800068
0.17370401	0.08704226	0	0.40262	0.55049	0	7.596682	12.30169	0.828872
0.58422727	0.12112871	0	0.59416	1.01726	0	8.079752	9.88135	0.485643
0.08716469	0.03589674	0	0.23674	0.6344	0	5.477893	7.9717	0.769895
0.0630653	0.09506802	0	0.52315	0.41379	0	6.072384	7.68529	0.449634
0.48643317	0.04347598	0	0.28087	1.0279	0	8.695475	10.55765	0.537022
0.4710817	0.07128814	0	0.48559	0.853	0	8.326014	10.62432	0.601269
0.55011692	0.08204175	0	0.52537	0.83008	0	8.103162	10.69161	0.661031
0.47500169	0.0675504	0	0.45453	0.85727	0	7.429053	9.30737	0.55329
0.71890936	0.17434511	0	0.74909	0.49407	0	6.876681	10.71496	0.7146
0.20677112	0.08595062	0	0.27831	0.40902	0	4.445442	6.04955	0.697861
0.62975381	0.07674544	0	0.53301	0.76635	0	8.379404	10.88297	0.593338
0.12513205	0.12728901	0	0.47269	1.23783	0	4.891295	5.73484	0.688612
0.17345742	0.07649757	0	0.51813	0.35118	0	5.565208	8.88691	0.771033
0.10269747	0.03376531	0	0.24319	1.3332	0	7.07099	8.32366	0.397759
0.213215	0.12645685	0	0.69248	0.53571	0	6.721526	10.67514	0.750616
0.13547404	0.0426929	0	1.28744	0.57742	0	7.146809	9.25252	0.548993
0.09022477	0.12008869	0	0.54387	0.41675	0	6.120336	7.80521	0.471237
0.25655337	0.07703973	0	0.40891	1.18494	0	6.221807	7.61578	0.540029
0.19230851	0.09895869	0	0.33904	0.37098	0	6.136672	10.41908	0.805083
0.17741417	0.12869539	0	0.52468	0.36063	0	5.382463	8.03884	0.667467
0.94465372	0.33847091	0	0.46493	0.54202	0	7.616959	12.25819	0.736553
0.15746413	0.12031156	0	0.51245	0.55226	0	7.118709	11.91104	0.80497
0.52841494	0.07958581	0	0.65895	0.56384	0	6.217215	8.63817	0.552488
0.63735129	0.19222909	0	0.84019	0.54124	0	7.418612	11.36049	0.701134
0.29974103	0.08802532	0	0.64615	0.4794	0	6.35969	10.40898	0.758459
0.02207077	0.01746712	0	0.20255	1.61754	0	9.572392	10.74786	0.302888
0.18041371	0.04060647	0	0.50656	0.60272	0	8.287743	12.43449	0.829075
0.21102577	0.15196549	0	0.60454	1.59812	0	6.318915	7.89253	0.683254
0.22289811	0.35602207	0	0.54631	0.55311	0	7.355678	9.21848	0.519346
0.12944262	0.12390134	0	0.57208	0.43519	0	6.646194	8.355	0.453561
0.17456945	0.09935764	0	0.36527	1.51324	0	5.592235	6.81028	0.672994
0.20444758	0.18805879	0	0.61445	0.3578	0	5.166358	6.41936	0.491319
0.1927009	0.05976214	0	1.34339	0.59436	0	7.833195	9.69417	0.431925
0.13746938	0.223756	0	0.32915	0.4609	0	5.958652	6.97273	0.449615
0.18683821	0.1140745	0	0.60323	1.43944	0	5.777171	7.14104	0.699083

0.2901419	0.05995259	0	0.32496	1.3947	0	6.401143	7.98297	0.578767
0.12831373	0.1084643	0	0.9525	0.46771	0	5.712871	7.25518	0.525148
0.46121415	0.06988233	0	0.47589	0.83634	0	8.150695	10.40592	0.602203
0.17653715	0.09423514	0	0.34713	0.53309	0	7.643089	12.30399	0.832358
0.02818882	0.00924712	0	0.18665	0.81937	0	6.568326	7.70092	0.395383
0.05596256	0.0500804	0	0.1816	0.60448	0	6.557874	7.84803	0.419805
0.13125205	0.13348664	0	0.49577	1.29803	0	5.130039	6.0145	0.688473
0.04012379	0.02585983	0	0.13341	0.44363	0	3.937992	5.66997	0.816111
0.23415992	0.09867914	0	0.52378	0.53159	0	7.550633	12.15817	0.78819
0.70005203	0.12920782	0	0.29162	0.59072	0	6.251009	10.42263	0.751723
0.20249715	0.05199937	0	0.21439	0.33323	0	5.058531	8.2994	0.745904
0.06631019	0.09742457	0	0.4856	0.37617	0	6.432261	7.7548	0.351354
0.14428769	0.07418262	0	0.28252	0.32459	0	4.504788	5.95595	0.597625
0.37377122	0.09497781	0	0.56238	0.94337	0	8.215799	9.90278	0.473611
0.00118239	0.01427408	0	0.20559	0.89792	0	1.271105	1.27788	0.466236
0.10726838	0.1716329	0	0.66256	0.89246	0	3.395962	4.12109	0.687644
0.03130108	0.00931846	0	0.18853	0.7806	0	6.478183	7.738	0.422098
0.0243512	0.01028018	0	0.17192	0.73898	0	5.56424	6.7942	0.501881
0.18641625	0.08610395	0	0.3729	0.43817	0	7.198579	11.85163	0.808111
0.01544247	0.00621234	0	0.19299	1.34549	0	6.391181	7.90158	0.609401
0.42684213	0.052848	0	0.33791	0.84996	0	7.886506	9.35168	0.490085
0.11444004	0.19149836	0	0.14466	0.35324	0	4.037701	4.71736	0.470599
0.07672413	0.02579065	0	0.18013	0.5182	0	4.931925	6.79615	0.695932
0.15314709	0.19654198	0	0.21034	0.6035	0	5.35244	6.12114	0.452331
0.12814845	0.0655914	0	0.26507	0.47016	0	6.090195	8.98138	0.69404
0.18688562	0.13555352	0	0.55257	0.37978	0	5.651381	8.46662	0.667314
0.04940701	0.03245256	0	0.15714	0.46956	0	4.359694	6.30571	0.805504
0.14829159	0.02313813	0	0.30945	1.06994	0	7.463085	9.05143	0.627991
0.17151101	0.04767234	0	0.13614	0.34251	0	4.931617	7.1959	0.645613
0.02330512	0.00742715	0	0.25631	1.80936	0	8.735334	10.79546	0.57609
0.13451471	0.17421601	0	0.52942	0.59916	0	6.673577	8.60418	0.486377
0.08935114	0.32128752	0	0.47969	0.56205	0	7.46014	9.59063	0.531294
0.10065041	0.06635892	0	0.26452	0.41406	0	5.97689	9.2068	0.758231
0.32781563	0.0853251	0	0.49468	0.84359	0	7.152537	8.7674	0.531056
0.09930809	0.25044503	0	0.36844	0.51591	0	6.560968	7.80497	0.449637
0.12376047	0.05929167	0	0.33284	0.45625	0	5.680312	7.27629	0.713091
0.37017916	0.11954336	0	0.5713	0.81897	0	7.316733	9.23271	0.58626
0.27834773	0.065207	0	0.61019	0.43693	0	5.909287	8.95026	0.671245
0.10768216	0.0321134	0	0.25603	1.07397	0	7.085887	8.60885	0.53881
0.29175554	0.10103331	0	0.54731	1.31325	0	6.611646	8.1659	0.582214
0.48793245	0.12259252	0	0.57955	1.14576	0	8.765749	10.85774	0.548896
0.02656859	0.00897322	0	0.2039	0.87585	0	6.348418	7.4795	0.421192
0.06254866	0.60491809	0	0.16374	0.25207	0	3.195329	3.9751	0.526261
0.11724807	0.17137762	0	0.26156	0.57285	0	5.829371	6.78801	0.418572

0.13723972	0.01236175	0	0.37081	1.27004	0	6.918594	9.84493	1.513371
0.11046505	0.03465413	0	0.25935	0.58116	0	5.794435	8.27205	0.754092
0.36637814	0.12340704	0	0.60339	0.82433	0	7.450522	9.48352	0.600596
0.12450772	0.03527371	0	0.24081	0.6248	0	6.966139	8.33486	0.436778
0.17669054	0.04254895	0	0.25599	0.36187	0	5.748913	7.08191	0.538864
0.08314712	0.02693371	0	0.20505	0.62522	0	5.385964	7.48352	0.72174
0.24009778	0.11529434	0	1.14244	0.43971	0	7.035215	8.85146	0.497659
0.13254199	0.04451496	0	0.3675	0.36472	0	5.95947	9.28564	0.822149
0.2228075	0.08045364	0	0.8098	0.53264	0	8.22764	11.60804	0.563237
0.2232167	0.11586881	0	0.79041	0.47669	0	6.618057	10.43647	0.760375
0.10422398	0.10737177	0	0.90072	0.46255	0	5.516919	7.15952	0.58426
0.17157924	0.06116279	0	0.22812	0.43765	0	6.485991	9.39756	0.650018
0.13519974	0.04482744	0	0.38492	0.42821	0	7.078645	10.01	0.814836
0.13083676	0.09766442	0	0.32524	0.54057	0	4.688516	6.31784	0.784902
0.1273551	0.07149117	0	0.76912	0.40668	0	5.79974	7.25018	0.439518
0.09839181	0.11557517	0	0.62969	0.43253	0	6.491449	8.12775	0.437954
0.22132577	0.14846675	0	0.69144	0.38863	0	5.529374	6.95327	0.494121
0.15409624	0.17633097	0	1.23081	0.86124	0	5.900253	6.99931	0.467173
0.16655654	0.0529793	0	0.30816	0.48978	0	5.914273	8.91105	0.803276
0.15314601	0.18350422	0	0.63405	1.17975	0	5.080142	6.28607	0.676398
0.15948884	0.12676856	0	0.52687	1.56654	0	5.494777	6.86864	0.708829
0.29421174	0.09276123	0	0.57118	1.11764	0	6.386824	7.69678	0.493876
0.03944231	0.02035197	0	0.19946	1.04568	0	6.419855	7.69032	0.628873
0.13155388	0.08093992	0	0.27568	0.35003	0	6.240864	10.10577	0.775147
0.08087349	0.16748781	0	0.4599	0.40546	0	4.972289	6.29027	0.511049
0.61490169	0.22619121	0	0.74372	0.73257	0	7.351274	10.96308	0.683868
0.03449014	0.00537538	0	0.1771	0.75405	0	5.802587	6.63868	0.329749
0.21915445	0.16594965	0	0.56031	1.135	0	5.823052	7.31872	0.60887
0.12180364	0.04218962	0	0.31669	0.31549	0	4.722184	6.00231	0.58041
0.05917302	0.01510476	0	0.25908	0.77881	0	5.626268	7.04011	0.835976
0.05886087	0.01233287	0	0.20421	0.63804	0	5.743482	7.58942	0.644039
0.17453556	0.03672368	0	0.3392	0.36518	0	6.651254	10.04007	0.806605
0.23625594	0.05859844	0	0.67611	1.67365	0	5.976254	7.43162	0.669474
0.23410187	0.1197158	0	0.37758	1.08623	0	5.231582	7.03911	0.655954
0.14247035	0.07159612	0	0.2488	0.51252	0	5.42042	6.16289	0.417659
0.15561235	0.08294678	0	0.3153	0.56896	0	6.823443	10.77891	0.80697
0.03833192	0.15294677	0	1.44004	0.93253	0	4.061817	4.68349	0.645774
0.62746939	0.10012629	0	0.49822	0.47392	0	5.740742	9.13538	0.727946
0.02878252	0.02188168	0	0.30743	1.48784	0	9.210928	10.85641	0.426364
0.20729777	0.05888583	0	0.66551	1.37021	0	5.500912	7.38053	0.763552
0.05895059	0.01236202	0	0.20456	0.63956	0	5.917113	7.60224	0.644706
0.42223984	0.06361401	0	0.35983	0.90672	0	9.861656	12.17622	0.634759
0.16442425	0.04304122	0	0.25852	0.38555	0	6.488178	10.25012	0.787107
0.11101784	0.04199249	0	0.17977	0.40519	0	5.036401	7.45491	0.723417

0.22189762	0.03730966	0	0.4359	1.20319	0	9.735421	12.76995	0.797611
0.14075605	0.07408351	0	0.2889	0.69663	0	6.211844	8.47288	0.73394
0.21138982	0.16817202	0	0.56347	1.13039	0	5.763299	7.19666	0.600527
0.26303715	0.09903226	0	0.38137	1.95878	0	6.864829	8.6021	0.651448
0.01753047	0.01430452	0	0.27978	1.72589	0	7.466881	8.95148	0.486527
0.10367333	0.03071415	0	0.22855	0.39232	0	5.019666	7.63411	0.777248
0.03592175	0.13164822	0	2.32115	0.9116	0	4.626329	4.97526	0.539288
0.17452751	0.15506538	0	0.19692	0.39157	0	4.463112	6.26647	0.712442
0.10125393	0.02344127	0	0.20834	0.6763	0	5.513233	7.63154	0.736519
0.0734803	0.04908916	0	0.24178	0.561	0	5.89661	8.94565	0.890644
0.20210636	0.03671592	0	0.30429	0.645	0	7.184215	9.37126	0.676919
0.06552578	0.01237829	0	0.22317	0.77765	0	6.786071	8.74636	0.704183
0.25215752	0.06093106	0	0.21682	0.39608	0	5.65914	6.75371	0.554837
0.11797548	0.06019842	0	0.18548	0.37133	0	5.023385	5.89513	0.520719
0.1401454	0.02269829	0	0.39688	0.49495	0	7.123669	9.98153	0.805463
0.59213701	0.22853037	0	0.4533	0.79298	0	7.274817	11.55769	0.727957
0.19719125	0.06866318	0	0.20154	0.61235	0	7.297672	8.59435	0.380754
0.1231672	0.14316162	0	0.49461	1.09131	0	4.093151	5.04171	0.733946
0.12594037	0.46865127	0	0.32401	0.53968	0	5.758112	6.92313	0.541695
0.20148099	0.06150048	0	0.43358	0.40467	0	7.383597	11.23871	0.734543
0.39224771	0.1263423	0	0.50339	0.83203	0	8.421229	10.43526	0.558019
0.10436463	0.0462635	0	0.25095	0.35917	0	4.97901	6.20755	0.664085
0.60253414	0.08771796	0	0.38547	0.51709	0	5.715419	8.72089	0.752977
0.29643107	0.01406838	0	0.31283	0.42292	0	5.85786	7.87376	0.777215
0.2391908	0.03332294	0	0.31228	0.88999	0	8.677469	10.97102	0.681173
0.1996495	0.03243672	0	0.18808	0.92042	0	6.020205	7.69113	0.569356
0.27707378	0.01923528	0	0.3624	0.88247	0	9.546366	11.62515	0.918953
0.18613066	0.06809458	0	0.31313	0.81962	0	7.672216	10.4722	0.704503
0.11368144	0.05134302	0	0.24034	0.53923	0	4.883545	6.04362	0.679682
0.09410878	0.03731151	0	0.36797	1.14804	0	8.224939	10.29714	0.653178
0.10348193	0.03443184	0	0.19518	0.56229	0	5.442558	7.49261	0.678958
0.12316105	0.03402901	0	0.32454	1.53681	0	6.623607	7.09895	0.606126
0.10238133	0.03127845	0	0.24668	0.36244	0	4.926736	5.87349	0.578203
0.06402178	0.05729644	0	0.20776	0.69166	0	7.501722	8.97827	0.420002
0.56765626	0.17829348	0	0.4829	0.36506	0	6.052297	9.86855	0.762676
0.0222286	0.00797888	0	0.24338	1.69318	0	7.970241	10.16668	0.648908
0.11021847	0.0600995	0	0.19558	0.46057	0	6.18484	8.72693	0.673479
0.13197661	0.13393135	0	0.53141	1.51545	0	5.657504	6.85829	0.748362
0.0896204	0.01940966	0	0.30544	0.47967	0	5.805143	7.87174	0.807818
0.22011106	0.02344804	0	0.19289	0.42323	0	8.139306	10.35932	0.47125
0.10603277	0.03226851	0	0.2471	1.33263	0	7.058053	8.37107	0.412801
0.28970086	0.11472265	0	0.23524	0.65229	0	5.642056	7.59851	0.758569
0.16649951	0.07933464	0	0.29527	1.05683	0	8.140488	10.53732	0.689893
0.16168632	0.0259151	0	0.34366	0.53124	0	6.4745	7.39335	0.442905

0.01346129	0.00174117	0	0.2927	1.07501	0	9.331733	8.88923	0.534025
0.10830785	0.0512096	0	0.29267	0.40906	0	5.315064	6.52045	0.62202
0.2280956	0.10312104	0	0.47989	1.64041	0	6.05159	7.89099	0.702774
0.07470408	0.27417075	0	0.32076	0.54737	0	6.146917	8.00755	0.564092
0.35079491	0.07188361	0	0.37635	0.69833	0	7.818776	9.69005	0.576375
0.05351161	0.02815841	0	0.22411	1.05873	0	6.094053	7.71955	0.629871
0.53307439	0.18246614	0	0.29582	0.3308	0	6.216732	9.52327	0.702219
0.14981857	0.04742718	0	0.34211	0.47929	0	6.609288	7.90466	0.619079
0.10932548	0.18302113	0	0.13822	0.33749	0	3.870823	4.50721	0.470402
0.19412232	0.03443634	0	0.25573	0.71914	0	6.742456	9.84397	0.747652
0.15488306	0.10676668	0	0.24127	0.711	0	6.905846	9.86548	0.762792
0.12248828	0.17261695	0	0.17783	0.77236	0	4.729151	5.71114	0.560069
0.04164179	0.02378265	0	0.12141	0.23904	0	3.74252	3.97509	0.364439
0.16294306	0.12879502	0	0.28678	0.89285	0	7.750188	9.51719	0.649942
0.01429123	0.00184938	0	0.31058	1.14088	0	9.905337	9.43371	0.534009
0.47529591	0.03811624	0	0.34677	0.64869	0	8.052299	9.97448	0.610919
0.27330542	0.102455	0	0.38686	1.69311	0	6.563134	8.43158	0.669226
0.16156056	0.09178464	0	0.52983	1.84619	0	4.32291	4.77615	0.6221
0.21937366	0.17853718	0	0.38897	0.78501	0	8.242582	10.16961	0.66436
0.02985319	0.11525932	0	0.18479	0.39325	0	3.073454	3.32737	0.466889
0.08784925	0.01895478	0	0.24025	0.71374	0	5.453214	7.44563	0.752388
0.03957714	0.01222164	0	0.1878	0.73621	0	6.767737	8.02246	0.366992
0.14156577	0.05249592	0	0.5896	2.77876	0	7.190078	8.08518	0.699248
0.16635575	0.11592098	0	0.14862	0.30849	0	4.006083	4.75953	0.513031
0.19518878	0.06032111	0	0.24469	0.34076	0	5.285742	7.93484	0.685849
0.15954246	0.07015458	0	0.3285	1.00229	0	4.181335	5.23374	0.580869
0.09291656	0.02666136	0	0.25646	1.47774	0	6.998117	8.44021	0.471027
0.25550123	0.06872783	0	0.38763	1.04763	0	11.03841	13.43375	0.591216
0.18895671	0.17534432	0	0.58264	2.16462	0	6.034517	7.36112	0.676722
0.54136542	0.16547218	0	0.71106	0.46406	0	6.207119	9.87088	0.756376
0.02405348	0.0911622	0	0.16797	0.35762	0	3.082204	3.41301	0.450324
0.15159453	0.19372315	0	0.33373	0.47903	0	6.544315	8.34265	0.674508
0.14358221	0.03180399	0	0.21729	0.49401	0	5.621549	8.40813	0.761219
0.03231691	0.11843925	0	2.08828	0.82011	0	4.162197	4.4761	0.539258
0.29058754	0.07711501	0	0.42932	0.72764	0	6.164509	7.57125	0.51676
0.29534881	0.16195817	0	0.61072	2.36662	0	6.620877	7.18379	0.691914
0.00575469	0.00151521	0	0.2371	0.73182	0	9.257516	7.9589	1.541999
0.19945436	0.05318085	0	0.20999	0.38802	0	5.263217	6.01	0.485357
0.06879942	0.03433872	0	0.26866	0.73129	0	8.896975	10.39577	0.865641
0.1668028	0.06818896	0	0.42207	0.3649	0	6.831706	11.11349	0.747508
0.1706531	0.0542018	0	0.22488	0.36204	0	5.715502	8.47967	0.720637
0.12657732	0.04431036	0	0.34707	1.26131	0	7.268112	9.39281	0.716216
0.04606578	0.0080585	0	0.347	1.67282	0	8.832998	9.12012	0.604951
0.09532562	0.21272849	0	0.1858	0.48754	0	4.093742	4.90006	0.63052

0.21178485	0.05361381	0	0.17248	0.35654	0	5.443235	8.04207	0.709641
0.21749745	0.04908703	0	0.19976	0.28785	0	4.74272	5.80755	0.682085
0.18395659	0.07233521	0	0.44151	0.39657	0	5.926672	7.75231	0.598368
0.0188796	0.00963827	0	0.20216	1.48142	0	6.972764	8.67604	0.573919
0.10065006	0.08969932	0	0.54165	2.30183	0	6.586686	7.36369	0.823322
0.12784898	0.06865132	0	0.25165	0.48369	0	5.634726	6.75859	0.567214
0.15451916	0.0319514	0	0.27293	0.81872	0	6.593517	8.99518	0.691646
0.10427486	0.02306661	0	1.05887	3.27314	0	7.602673	8.21116	0.889631
0.16101848	0.09139983	0	0.34213	0.85666	0	6.990636	9.95985	0.784305
0.3330308	0.04242599	0	0.3754	0.86791	0	8.024006	9.79957	0.587392
0.13807565	0.03658733	0	0.25213	0.99232	0	7.21884	9.3639	0.720948
0.17469255	0.06082528	0	0.17855	0.54249	0	6.461428	7.61384	0.380754
0.27120931	0.13559832	0	0.25075	0.39711	0	6.477348	10.54247	0.779288
0.08478834	0.00931429	0	0.1723	0.97321	0	6.469622	8.55509	0.708409
0.27506927	0.10037825	0	0.54211	1.01182	0	7.582829	9.48983	0.62844
0.11627542	0.02352891	0	0.26521	1.00718	0	7.568404	10.61505	0.73699
0.33512068	0.08636801	0	0.49762	0.8904	0	7.214965	8.96215	0.549386
0.20185577	0.06833747	0	0.25167	0.49754	0	6.037456	8.62483	0.74202
0.07293696	0.03211515	0	0.23589	0.99206	0	6.02251	7.48043	0.733379
0.16319603	0.03606135	0	0.2641	0.36912	0	5.350135	6.77592	0.579288
0.09752099	0.07795707	0	0.52333	2.00237	0	5.885141	6.67222	0.809221
0.17790835	0.10447079	0	0.6656	1.49804	0	4.962284	6.30978	0.678922
0.04196958	0.02370369	0	0.23523	1.01429	0	6.351243	8.3717	0.804512
0.20826549	0.13358604	0	0.54465	0.41622	0	5.71969	9.41729	0.781925
0.06993947	0.05917871	0	0.47435	1.70532	0	4.567564	5.41998	0.858473
0.17896088	0.01151388	0	0.4233	0.98041	0	6.700032	8.48266	0.929897
0.16313002	0.04209124	0	0.13795	0.35838	0	5.192657	7.23344	0.662978
0.17751357	0.0071283	0	0.36121	1.53413	0	6.84895	7.95625	0.416378
0.07995091	0.29951964	0	0.20514	0.58504	0	4.724462	5.48688	0.480157
0.32229615	0.16360427	0	0.38347	0.29525	0	4.947932	8.13393	0.785423
0.02806302	0.01476697	0	0.36945	1.25259	0	6.48239	7.39588	0.357998
0.25586734	0.0362268	0	0.2974	0.79928	0	8.523148	11.08826	0.71111
0.20390643	0.31108831	0	1.05978	0.5878	0	5.554285	7.30845	0.650922
0.18700513	0.0414791	0	0.34	0.59971	0	8.257685	10.04738	0.567682
0.20232702	0.02926868	0	0.27916	1.32195	0	5.920103	6.10633	0.606119
0.08984504	0.02427699	0	0.23546	1.51502	0	6.981128	9.15004	0.730168
0.06714022	0.249279	0	0.13415	0.36466	0	3.650504	4.35779	0.517884
0.10051794	0.03377144	0	0.22883	0.58179	0	5.9148	7.70059	0.589678
0.18813079	0.0497976	0	0.19808	0.36714	0	5.449251	6.06753	0.430366
0.03854607	0.12944283	0	0.22675	0.59204	0	3.436229	3.92342	0.538977
0.27862146	0.07420894	0	0.29399	0.67818	0	6.838614	10.03637	0.730435
0.07999942	0.03715127	0	0.175	0.43617	0	5.02339	6.69414	0.791173
0.168778	0.0737397	0	0.23534	0.48563	0	6.61147	9.25546	0.721907
0.09381689	0.08567609	0	0.4605	1.38904	0	8.341098	10.63316	0.774834

0.01592613	0.22809527	0	0.1867	0.45395	0	3.651843	4.08232	0.492442
0.02452185	0.11262072	0	0.16999	0.39657	0	3.647238	4.03709	0.456959
0.12916181	0.12098648	0	0.29072	0.67437	0	6.204572	8.02558	0.716574
0.16749683	0.11146266	0	0.31621	0.84391	0	7.79932	9.57891	0.591317
0.35400244	0.04899691	0	0.40826	0.89905	0	7.110249	8.86097	0.561038
0.06947714	0.01524403	0	0.19143	0.99231	0	5.066184	6.4711	0.706959
0.17180567	0.09643072	0	0.57439	1.29749	0	5.509677	6.80041	0.714775
0.14689121	0.17616198	0	0.66432	2.57416	0	6.825956	7.81406	0.691905
0.13358881	0.03156645	0	0.23784	0.43827	0	4.966664	6.1482	0.585048
0.0682634	0.04128441	0	0.2234	1.02132	0	6.809902	9.15969	0.749258
0.34870201	0.13296137	0	0.33011	0.88448	0	8.472804	10.19783	0.571429
0.15504194	0.02815916	0	0.35527	0.91993	0	8.672836	10.63677	0.640208
0.184131	0.05128104	0	0.41099	1.47755	0	4.382346	4.69609	0.858493
0.03503424	0.13936108	0	1.31676	0.84861	0	3.709995	4.27475	0.643211
0.0698923	0.03360913	0	0.26922	1.21703	0	7.481611	9.47153	0.632219
0.10348076	0.05323527	0	0.29277	0.39183	0	4.986012	6.19476	0.678318
0.09747561	0.06409931	0	0.40912	1.14006	0	7.229933	8.83763	0.725549
0.23592942	0.204641	0	0.35296	0.71125	0	7.915357	9.90158	0.654554
0.23463565	0.03394069	0	0.32374	1.53306	0	6.770193	7.08147	0.606113
0.10721027	0.14325504	0	0.84387	0.90304	0	4.762462	6.0166	0.608657
0.01582085	0.05109388	0	0.21443	0.42742	0	4.377931	4.88535	0.50921
0.12780318	0.05341746	0	0.17788	0.48244	0	5.34963	8.09532	0.768688
0.22593878	0.01308424	0	0.31804	0.66689	0	6.765254	8.35099	0.7007
0.17851132	0.07285227	0	0.59033	1.58922	0	4.617729	5.12928	0.625813
0.18560006	0.02685414	0	0.2561	1.21274	0	5.354141	5.60196	0.606155
0	0.00157689	0	2.66524	1.59717	0	4.529332	4.48628	-25.3023
0.03172881	0.02378253	0	0.1908	0.61129	0	3.915267	4.69915	0.803426
0.18038095	0.07333728	0	0.26888	0.74957	0	6.441322	9.00881	0.722538
0.10715748	0.02168137	0	0.24442	0.92826	0	6.909385	9.78265	0.737027
0.04956422	0.13692058	0	0.19185	0.45012	0	4.473172	5.2648	0.516163
0.30589754	0.14021849	0	0.32366	0.65529	0	6.797734	9.36226	0.758625
0.02249636	0.08610055	0	0.15743	0.33539	0	2.895841	3.20451	0.447595
0.21047593	0.09962616	0	0.20982	0.56764	0	7.1486	9.78707	0.643244
0.05057352	0.05440873	0	0.19088	0.65139	0	5.46628	7.68487	0.737011
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0.00965714	0.00472926	0	0.48374	1.56318	0	6.556109	6.78587	0.21173
0.13188317	0.02582972	0	0.47164	0.80231	0	8.393587	10.19743	0.720337
0.13423932	0.04094392	0	0.22683	0.29006	0	4.618254	5.77561	0.578978
0.08402493	0.12936525	0	0.27652	1.32648	0	5.068397	5.63012	0.705414
0.12991027	0.04816064	0	0.54097	2.54921	0	6.702169	7.41781	0.699094
0	0.0015244	0	2.56666	1.53874	0	4.362494	4.32102	-25.3277
0.10960366	0.15417897	0	0.33082	1.12672	0	5.872217	6.62411	0.642308
0.15779588	0.05849545	0	0.6571	3.09646	0	8.012885	9.01019	0.699097
0.0591545	0.03299597	0	0.14946	0.30104	0	3.957195	4.33959	0.454656

0.14688561	0.06410851	0	0.247	0.91726	0	7.793106	10.27087	0.716055
0.18011356	0.07878967	0	0.7778	2.00964	0	5.123854	5.75991	0.772102
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