

t (s)	Actual	Predicted_RF	Predicted_DT	[Actual - Predicted_RF]	
8800		52.647219	52.64970534	52.64916671	0.002486345
8801		52.647219	52.6492857	52.64903687	0.002066698
8802		52.647677	52.6488967	52.64892325	0.001219699
8803		52.647677	52.6485288	52.64884994	0.000851795
8804		52.64689	52.64846503	52.64878478	0.001575029
8805		52.64689	52.64835456	52.64868505	0.001464561
8806		52.648963	52.64810011	52.6485953	0.00086289
8807		52.648963	52.64813748	52.64861281	0.000825519
8808		52.650127	52.64830713	52.64862873	0.00181987
8809		52.650127	52.64838883	52.64869387	0.001738165
8810		52.66682	52.64844329	52.64875358	0.018376709
8811		52.66682	52.65302269	52.64947624	0.01379731
8812		52.666357	52.65124932	52.65014331	0.015107679
8813		52.666357	52.65572613	52.66666567	0.010630868
8814		52.673726	52.66145862	52.66682	0.012267375
8815		52.673726	52.66427715	52.673726	0.009448849
8816		52.66585	52.66622921	52.673726	0.000379207
8817		52.66585	52.66643654	52.67110067	0.000586544
8818		52.663769	52.66646218	52.669788	0.002693183
8819		52.663769	52.66666077	52.66515633	0.002891775
8820		52.666546	52.66630415	52.6648095	0.00024185
8821		52.666546	52.66642461	52.6651568	0.000121394
8822		52.664816	52.66656405	52.66538833	0.00174805
8823		52.664816	52.66645783	52.66530657	0.001641834
8824		52.673467	52.66598513	52.66524525	0.007481866
8825		52.673467	52.66722725	52.673467	0.006239748
8826		52.671259	52.66813118	52.673467	0.003127816
8827		52.671259	52.66880134	52.672731	0.002457655
8828		52.674972	52.66902834	52.672363	0.005943658
8829		52.674972	52.67029259	52.6728848	0.004679411
8830		52.674258	52.66941694	52.67323267	0.004841063
8831		52.674258	52.6700346	52.67337914	0.004223401
8832		52.676109	52.67064753	52.673489	0.005461468
8833		52.676109	52.6719366	52.67378011	0.004172396
8834		52.683126	52.67245776	52.674013	0.010668237
8835		52.683126	52.67474028	52.67484145	0.00838572
8836		52.689174	52.67706063	52.67553183	0.012113373
8837		52.689174	52.68054252	52.678456	0.008631484
8838		52.674111	52.68255798	52.68615	0.008446985
8839		52.674111	52.67729099	52.67000036	0.003179993
8840		52.679194	52.67562175	52.67015846	0.003572252
8841		52.679194	52.67614014	52.67049311	0.003053861
8842		52.681619	52.68107298	52.67870629	0.000546016
8843		52.681619	52.68086949	52.67890047	0.000749514
8844		52.681852	52.68089188	52.67907038	0.000960118
8845		52.681852	52.68089791	52.679234	0.000954088
8846		52.697311	52.68092831	52.67937944	0.016382692
8847		52.697311	52.68374604	52.68542811	0.013564956
8848		52.699149	52.68550294	52.6866164	0.013646058
8849		52.699149	52.68743692	52.68775573	0.011712079
8850		52.696519	52.68766678	52.68870517	0.008852219
8851		52.696519	52.68964836	52.68930623	0.006870644
8852		52.703113	52.6919503	52.68982143	0.011162697
8853		52.703113	52.69365647	52.69070753	0.009456527
8854		52.702235	52.69430838	52.69148288	0.007926621
8855		52.702235	52.69601176	52.69937989	0.00622324
8856		52.695561	52.69654126	52.6996654	0.000980261
8857		52.695561	52.69666508	52.69929227	0.001104078
8858		52.699614	52.69703858	52.700452	0.002575418
8859		52.699614	52.6977808	52.70035889	0.001833195
8860		52.692969	52.69641185	52.69604	0.003442851
8861		52.692969	52.69622567	52.6954258	0.00325667
8862		52.702857	52.69758459	52.7002844	0.00527241
8863		52.702857	52.69828689	52.70051827	0.004570106
8864		52.703746	52.69894453	52.70071317	0.004801474
8865		52.703746	52.69948847	52.70094646	0.004257526
8866		52.708385	52.70035748	52.70114643	0.008027519
8867		52.708385	52.7017866	52.701629	0.006598399
8868		52.71174	52.70249265	52.70205125	0.009247349
8869		52.71174	52.70442931	52.70595943	0.007310695
8870		52.712876	52.70330318	52.6993074	0.009572817

8871	52.712876	52.70523119	52.7106252	0.007644813
8872	52.708871	52.70670643	52.71100033	0.002164575
8873	52.708871	52.70700148	52.71069614	0.001869521
8874	52.723179	52.70719463	52.710468	0.015984374
8875	52.723179	52.71009733	52.71188033	0.013081673
8876	52.727419	52.71115132	52.7130102	0.016267676
8877	52.727419	52.71380199	52.71432009	0.013617007
8878	52.728244	52.71619981	52.71541167	0.012044194
8879	52.728244	52.71774326	52.725888	0.010500736
8880	52.716716	52.71831039	52.72628067	0.001594395
8881	52.716716	52.71864756	52.72491429	0.001931556
8882	52.73434	52.71970567	52.718435	0.014634328
8883	52.73434	52.72164874	52.72505067	0.012691261
8884	52.72972	52.72286989	52.7259796	0.00685011
8885	52.72972	52.72434457	52.72631964	0.005375428
8886	52.728381	52.7254132	52.726603	0.002967799
8887	52.728381	52.72615277	52.72673977	0.002228234
8888	52.743073	52.726868	52.726857	0.016205001
8889	52.743073	52.72929238	52.72793807	0.013780616
8890	52.756264	52.73221627	52.728884	0.024047729
8891	52.756264	52.7398041	52.73488909	0.016459899
8892	52.761293	52.74484276	52.7496685	0.016450244
8893	52.761293	52.75013375	52.7519934	0.011159245
8894	52.761972	52.75172933	52.75354333	0.010242671
8895	52.761972	52.75338681	52.75474743	0.008585189
8896	52.767951	52.75519801	52.7556505	0.012752987
8897	52.767951	52.75731406	52.76100129	0.010636935
8898	52.759228	52.75908274	52.76187	0.000145263
8899	52.759228	52.7595723	52.76157644	0.000344297
8900	52.764997	52.75878008	52.7613416	0.006216917
8901	52.764997	52.76044742	52.76167391	0.004549581
8902	52.77636	52.76115659	52.76195083	0.015203408
8903	52.77636	52.76300626	52.76305923	0.01335374
8904	52.779752	52.7649628	52.76400929	0.014789197
8905	52.779752	52.76923385	52.76641185	0.010518149
8906	52.778121	52.76943643	52.778056	0.008684569
8907	52.778121	52.77266064	52.778069	0.005460357
8908	52.799648	52.77494951	52.77807767	0.024698488
8909	52.799648	52.77987875	52.78115914	0.019769251
8910	52.791811	52.77947982	52.78347025	0.012331177
8911	52.791811	52.78321473	52.784397	0.008596271
8912	52.795263	52.78607177	52.7851384	0.009191235
8913	52.795263	52.78700853	52.78605882	0.008254465
8914	52.804421	52.78942353	52.78682583	0.014997465
8915	52.804421	52.79262126	52.79683786	0.011799744
8916	52.812896	52.79467325	52.79778575	0.018222751
8917	52.812896	52.79751325	52.79946467	0.015382752
8918	52.823383	52.80065576	52.8008078	0.022727242
8919	52.823383	52.80445351	52.80286009	0.018929491
8920	52.810901	52.80598238	52.79778575	0.004918618
8921	52.810901	52.80737063	52.8166918	0.003530368
8922	52.830361	52.8088151	52.81572667	0.021545899
8923	52.830361	52.81230178	52.81781729	0.018059224
8924	52.834813	52.81635622	52.81938525	0.018456783
8925	52.834813	52.82056757	52.8284602	0.014245431
8926	52.830533	52.82311305	52.829519	0.007419953
8927	52.830533	52.82438914	52.82966386	0.006143861
8928	52.850314	52.82689204	52.8297725	0.023421957
8929	52.850314	52.82987444	52.83205489	0.020439561
8930	52.854405	52.83239914	52.8338808	0.022005863
8931	52.854405	52.83597147	52.83574664	0.018433525
8932	52.860674	52.83830245	52.8400852	0.022371554
8933	52.860674	52.84453185	52.8540224	0.016142152
8934	52.863274	52.84790963	52.855131	0.015364373
8935	52.863274	52.85185396	52.85629429	0.011420035
8936	52.865486	52.85570442	52.85716675	0.00978158
8937	52.865486	52.85612776	52.85809111	0.009358238
8938	52.855644	52.84285808	52.8297725	0.012785924
8939	52.855644	52.84739385	52.85854091	0.008250148
8940	52.886656	52.85735549	52.8582995	0.029300513
8941	52.886656	52.86134967	52.86048077	0.025306329
8942	52.883059	52.86467219	52.86235043	0.018386805

8943	52.883059	52.8677696	52.885457	0.015289395
8944	52.877427	52.87208777	52.8848575	0.00533923
8945	52.877427	52.87371888	52.8833714	0.003708122
8946	52.88233	52.8745968	52.88238067	0.007733204
8947	52.88233	52.87635681	52.88237343	0.005973193
8948	52.885868	52.87714425	52.882368	0.008723752
8949	52.885868	52.87863689	52.88275689	0.00723111
8950	52.889708	52.8806665	52.883068	0.009041499
8951	52.889708	52.88154524	52.88367164	0.008162756
8952	52.898027	52.88158743	52.88417467	0.016439573
8953	52.898027	52.88407624	52.88524023	0.013950764
8954	52.888138	52.88339845	52.88615357	0.004739549
8955	52.888138	52.88451324	52.88628587	0.003624765
8956	52.904605	52.8873002	52.88640163	0.017304796
8957	52.904605	52.89286672	52.88747241	0.011738276
8958	52.922209	52.89565406	52.901316	0.026554944
8959	52.922209	52.90358995	52.9054946	0.01861905
8960	52.916762	52.90290999	52.88640163	0.013852011
8961	52.916762	52.90869512	52.914078	0.008066878
8962	52.922758	52.91101587	52.91452533	0.011742128
8963	52.922758	52.91290607	52.91570143	0.009851926
8964	52.904529	52.91339796	52.92057633	0.008868958
8965	52.904529	52.91285172	52.91828386	0.008322715
8966	52.91913	52.91278528	52.9224835	0.006344716
8967	52.91913	52.91410673	52.9218128	0.00502327
8968	52.924686	52.91494386	52.92136567	0.009742144
8969	52.924686	52.91617881	52.92184	0.008507185
8970	52.938399	52.91795463	52.92219575	0.020444375
8971	52.938399	52.92152726	52.92399611	0.016871744
8972	52.931249	52.92368478	52.9254364	0.007564225
8973	52.931249	52.92594356	52.92596482	0.005305436
8974	52.939768	52.92617065	52.92640517	0.013597346
8975	52.939768	52.92970497	52.92743308	0.010063034
8976	52.933309	52.92865194	52.92831414	0.004657061
8977	52.933309	52.92979734	52.92864713	0.003511662
8978	52.942901	52.93153982	52.9289385	0.011361183
8979	52.942901	52.93318049	52.93648344	0.009720507
8980	52.950704	52.93407572	52.9371252	0.016628278
8981	52.950704	52.93684284	52.93835964	0.013861164
8982	52.943683	52.93959515	52.93938833	0.004087848
8983	52.943683	52.94022286	52.93971869	0.003460142
8984	52.955895	52.9406593	52.94000186	0.015235702
8985	52.955895	52.94282562	52.9410614	0.013069376
8986	52.952396	52.94452794	52.9419885	0.007868057
8987	52.952396	52.94600461	52.94686909	0.006391388
8988	52.955345	52.94658667	52.94732967	0.008758335
8989	52.955345	52.948045	52.94968209	0.007300003
8990	52.94747	52.9490512	52.950154	0.001581196
8991	52.94747	52.94894108	52.94994754	0.001471077
8992	52.952887	52.94898034	52.94977057	0.003906656
8993	52.952887	52.94954171	52.94997833	0.003345288
8994	52.958402	52.95023157	52.95016013	0.008170431
8995	52.958402	52.95112033	52.95064494	0.007281667
8996	52.95688	52.95173634	52.95107589	0.005143663
8997	52.95688	52.95217163	52.95138137	0.004708366
8998	52.961284	52.95284986	52.9516563	0.008434136
8999	52.961284	52.95358884	52.95211476	0.007695158
9000	52.963769	52.95424228	52.9534946	0.009526725
9001	52.963769	52.95511734	52.95398386	0.008651656
9002	52.964705	52.956458	52.95442864	0.008246996
9003	52.964705	52.95782321	52.95487543	0.006881792
9004	52.97101	52.95883998	52.9569033	0.012170019
9005	52.97101	52.96010054	52.95757505	0.010909455
9006	52.961245	52.96218193	52.96001967	0.000936929
9007	52.961245	52.96187189	52.96008416	0.000626886
9008	52.969989	52.96195298	52.9601422	0.008036025
9009	52.969989	52.96306661	52.9606111	0.006922392
9010	52.97353	52.96406219	52.96434343	0.009467807
9011	52.97353	52.96524919	52.96495587	0.008280813
9012	52.960784	52.96606357	52.96650457	0.005279574
9013	52.960784	52.96563063	52.9661232	0.004846633
9014	52.964112	52.9652824	52.96496867	0.001170402

9015	52.964112	52.96523957	52.96492358	0.001127575
9016	52.972206	52.96526244	52.964883	0.006943557
9017	52.972206	52.9656681	52.96595063	0.006537897
9018	52.98215	52.96598563	52.9662634	0.016164374
9019	52.98215	52.96776647	52.9670199	0.014383533
9020	52.985501	52.96938452	52.96770764	0.016116476
9021	52.985501	52.9712818	52.97000058	0.014219205
9022	53.000178	52.97378056	52.9707756	0.026397439
9023	53.000178	52.98167484	52.987096	0.01850316
9024	52.973195	52.98489929	52.98927633	0.011704287
9025	52.973195	52.97828889	52.9631381	0.00509389
9026	52.992514	52.9845736	52.98927633	0.0079404
9027	52.992514	52.98590862	52.98973886	0.006605384
9028	52.982022	52.98746131	52.99008575	0.005439313
9029	52.982022	52.98604037	52.98918978	0.004018373
9030	52.995037	52.98677712	52.988473	0.008259885
9031	52.995037	52.98790271	52.98906973	0.007134289
9032	52.984621	52.98883191	52.989567	0.004210914
9033	52.984621	52.98863492	52.98918654	0.004013917
9034	52.985745	52.98808319	52.98886043	0.002338195
9035	52.985745	52.98844938	52.98865273	0.002704375
9036	53.000673	52.98831453	52.988471	0.012358473
9037	53.000673	52.9902865	52.98918876	0.010386502
9038	53.004874	52.99169761	52.993128	0.013176393
9039	53.004874	52.99511332	52.99403154	0.009760683
9040	53.000176	52.99763008	53.0027735	0.002545922
9041	53.000176	52.99785254	53.002254	0.00232346
9042	53.003879	52.9980863	53.00190767	0.005792696
9043	53.003879	52.99897347	53.00218929	0.004905535
9044	52.995729	52.99723764	52.988471	0.001508644
9045	52.995729	52.99702179	53.00165922	0.001292788
9046	52.992598	52.99948359	53.0010662	0.006885593
9047	52.992598	52.9969363	52.98945221	0.004338298
9048	53.011605	52.99876372	53.0024005	0.012841283
9049	53.011605	53.00047467	53.00342322	0.011130329
9050	53.000939	52.99835774	52.9896095	0.002581263
9051	53.000939	53.00048239	53.00394118	0.000456612
9052	53.005978	53.00205146	53.003691	0.003926545
9053	53.005978	53.00246763	53.00386692	0.003510366
9054	53.015522	53.00285145	53.00401771	0.01267055
9055	53.015522	53.00472151	53.00478467	0.010800493
9056	53.026332	53.00625208	53.00545575	0.02007992
9057	53.026332	53.00929703	53.00668376	0.017034966
9058	53.010863	53.01119877	53.01485925	0.000335774
9059	53.010863	53.01159646	53.01441522	0.000733459
9060	53.021024	53.0125215	53.01406	0.008502496
9061	53.021024	53.01362931	53.01806543	0.007394688
9062	53.032332	53.01447449	53.01843525	0.017857505
9063	53.032332	53.01849203	53.01997933	0.013839971
9064	53.017076	53.02085213	53.0212146	0.003776131
9065	53.017076	53.0202126	53.02083836	0.003136596
9066	53.030975	53.02170609	53.032332	0.009268911
9067	53.030975	53.02444456	53.03187967	0.006530443
9068	53.022825	53.02310672	53.01548571	0.000281718
9069	53.022825	53.02344181	53.015975	0.000616807
9070	53.031646	53.02589176	53.0316535	0.005754242
9071	53.031646	53.02678369	53.031652	0.004862313
9072	53.036513	53.02732933	53.031651	0.009183674
9073	53.036513	53.02924385	53.03234557	0.007269151
9074	53.028623	53.03098113	53.0328665	0.002358129
9075	53.028623	53.03085894	53.032395	0.002235936
9076	53.030711	53.03051602	53.0320178	0.000194976
9077	53.030711	53.03053715	53.031899	0.000173849
9078	53.042123	53.03057762	53.0318	0.011545379
9079	53.042123	53.03199323	53.03259408	0.010129768
9080	53.042809	53.03347962	53.03327471	0.009329384
9081	53.042809	53.03455311	53.03391033	0.008255892
9082	53.036795	53.03558157	53.0344665	0.001213426
9083	53.036795	53.03549983	53.03460347	0.001295167
9084	53.052233	53.03576358	53.03472522	0.016469424
9085	53.052233	53.03736383	53.03564668	0.014869168
9086	53.052183	53.03876763	53.036476	0.013415367

9087	53.052183	53.04175057	53.03722395	0.010432426
9088	53.040753	53.0440964	53.03790391	0.003343397
9089	53.040753	53.043497	53.03802778	0.002744
9090	53.056108	53.04340594	53.03814133	0.012702062
9091	53.056108	53.04470324	53.04537692	0.011404756
9092	53.054376	53.04554138	53.0477015	0.008834615
9093	53.054376	53.04663212	53.04821492	0.007743878
9094	53.041683	53.04746743	53.048655	0.005784426
9095	53.041683	53.04714976	53.0481902	0.005466761
9096	53.052192	53.0465746	53.0477835	0.005617399
9097	53.052192	53.0473967	53.04804282	0.004795303
9098	53.048947	53.04783913	53.04827333	0.001107871
9099	53.048947	53.04784749	53.04830879	0.001099505
9100	53.046615	53.04788945	53.0483407	0.001274451
9101	53.046615	53.04782878	53.04825852	0.001213779
9102	53.036562	53.04785035	53.04818382	0.011288348
9103	53.036562	53.04722771	53.04767852	0.010665709
9104	53.052403	53.04672089	53.04721533	0.005682108
9105	53.052403	53.04727051	53.04742284	0.005132493
9106	53.040535	53.04731549	53.04761438	0.006780492
9107	53.040535	53.04706475	53.04735219	0.006529752
9108	53.050482	53.04700959	53.04710871	0.003472414
9109	53.050482	53.04722928	53.04722503	0.003252718
9110	53.044622	53.04733699	53.0473336	0.002714993
9111	53.044622	53.04717054	53.04724613	0.002548543
9112	53.055077	53.04717339	53.04716413	0.00790361
9113	53.055077	53.047634	53.04740391	0.007443004
9114	53.052569	53.0482047	53.04762959	0.004364304
9115	53.052569	53.04844811	53.04777071	0.004120891
9116	53.054257	53.04859251	53.047904	0.005664486
9117	53.054257	53.04887454	53.0480757	0.005382455
9118	53.040136	53.04920525	53.04823837	0.009069247
9119	53.040136	53.04877206	53.04803062	0.008636064
9120	53.052958	53.04803702	53.04783325	0.004920983
9121	53.052958	53.0484968	53.04795824	0.004461204
9122	53.046584	53.0486164	53.04807729	0.002032403
9123	53.046584	53.048532	53.04804256	0.001947999
9124	53.05853	53.04847014	53.04800941	0.010059855
9125	53.05853	53.04879091	53.0482432	0.009739091
9126	53.050292	53.04974638	53.05109036	0.000545621
9127	53.050292	53.04928663	53.05105565	0.001005368
9128	53.040476	53.04968137	53.05102383	0.009205374
9129	53.040476	53.0488764	53.04890378	0.0084004
9130	53.05227	53.04814328	53.04872057	0.004126717
9131	53.05227	53.04856605	53.04879609	0.00370395
9132	53.03635	53.04891809	53.04886846	0.012568091
9133	53.03635	53.04752242	53.04861298	0.011172421
9134	53.054178	53.04536622	53.04836772	0.008811778
9135	53.054178	53.04646614	53.04848165	0.007711864
9136	53.044988	53.04734079	53.04859119	0.002352794
9137	53.044988	53.04736207	53.04852321	0.002374067
9138	53.05135	53.04763627	53.04845774	0.003713731
9139	53.05135	53.04842494	53.04851033	0.002925062
9140	53.034463	53.04864643	53.04856104	0.01418343
9141	53.034463	53.04534166	53.0483137	0.010878656
9142	53.036123	53.04469846	53.04778826	0.008575462
9143	53.036123	53.04251903	53.03501633	0.00639603
9144	53.045978	53.04106667	53.035293	0.004911328
9145	53.045978	53.04227811	53.03743	0.003699889
9146	53.04676	53.04302774	53.03885467	0.003732262
9147	53.04676	53.04357628	53.039984	0.00318372
9148	53.045803	53.04401463	53.040831	0.001788373
9149	53.045803	53.04451175	53.04138344	0.001291249
9150	53.036759	53.04461498	53.0418254	0.007855981
9151	53.036759	53.04438714	53.04136482	0.007628144
9152	53.035367	53.04370563	53.040981	0.008338632
9153	53.035367	53.04252662	53.04054915	0.007159617
9154	53.034258	53.04176478	53.040179	0.007506785
9155	53.034258	53.04140562	53.03978427	0.007147619
9156	53.023893	53.04109098	53.03943887	0.017197975
9157	53.023893	53.03951774	53.03852441	0.015624741
9158	53.031033	53.03779172	53.03256925	0.006758724

9159	53.031033	53.03755187	53.03239856	0.006518871
9160	53.009463	53.03754904	53.032262	0.028086039
9161	53.009463	53.03473129	53.03018936	0.025268287
9162	53.029341	53.03236493	53.02846217	0.00302393
9163	53.029341	53.0319087	53.02852977	0.002567704
9164	53.026443	53.0317992	53.02858771	0.005356199
9165	53.026443	53.03099162	53.02844473	0.004548615
9166	53.021719	53.03087238	53.027114	0.009153378
9167	53.021719	53.02955612	53.02542931	0.007837117
9168	53.005242	53.02873738	53.02516429	0.023495384
9169	53.005242	53.02724926	53.02223277	0.022007257
9170	53.014609	53.02371495	53.02101914	0.009105953
9171	53.014609	53.02290194	53.0205918	0.008292945
9172	53.016755	53.02186343	53.02021787	0.005108432
9173	53.016755	53.02057476	53.02001418	0.003819757
9174	53.007425	53.02033763	53.01983311	0.012912632
9175	53.007425	53.01886818	53.01918005	0.011443184
9176	53.00281	53.01845459	53.01100775	0.015644589
9177	53.00281	53.0164486	53.01009689	0.0136386
9178	52.999902	53.01392533	53.0093682	0.014023334
9179	52.999902	53.0113037	53.00850764	0.011401705
9180	52.995988	53.01159696	53.0077905	0.015608957
9181	52.995988	53.00924546	53.00232314	0.013257458
9182	52.994403	53.00662739	53.00153125	0.012224392
9183	52.994403	53.0047968	53.00073922	0.010393802
9184	53.005959	53.00515539	53.0001056	0.000803614
9185	53.005959	53.00485869	53.00063773	0.001100313
9186	52.991449	53.00398385	53.00108117	0.012534851
9187	52.991449	53.00295536	53.00034023	0.011506359
9188	52.983093	53.00089305	52.99970514	0.017800046
9189	52.983093	52.99759234	52.99859767	0.014499339
9190	52.989319	52.9983965	52.99622914	0.0090775
9191	52.989319	52.99695266	52.99468515	0.00763366
9192	52.976236	53.00048981	52.99430186	0.024253813
9193	52.976236	52.99614991	52.98627971	0.01991391
9194	52.980505	52.99240237	52.98502425	0.011897374
9195	52.980505	52.99076266	52.98452211	0.010257663
9196	52.968072	52.99034197	52.9841204	0.022269968
9197	52.968072	52.98742481	52.98266145	0.019352806
9198	52.964958	52.98694026	52.98144567	0.021982264
9199	52.964958	52.98042025	52.98017738	0.015462246
9200	52.965664	52.98118712	52.9770305	0.015523116
9201	52.965664	52.97776817	52.97615615	0.012104168
9202	52.958898	52.98221687	52.97540671	0.023318868
9203	52.958898	52.97826548	52.96997891	0.019367484
9204	52.958814	52.97450346	52.9690555	0.015689458
9205	52.958814	52.97178383	52.96826769	0.012969834
9206	52.954027	52.97055087	52.96759243	0.016523868
9207	52.954027	52.96844177	52.96668807	0.014414769
9208	52.953366	52.96641398	52.96589675	0.013047976
9209	52.953366	52.96371564	52.96515965	0.010349635
9210	52.948113	52.96193891	52.96054271	0.013825912
9211	52.948113	52.95978805	52.95971407	0.011675046
9212	52.944425	52.95785651	52.958989	0.013431514
9213	52.944425	52.95673782	52.95813229	0.012312815
9214	52.950461	52.95619862	52.95737078	0.00573762
9215	52.950461	52.95485967	52.95700711	0.004398671
9216	52.933034	52.9541997	52.9566798	0.021165696
9217	52.933034	52.9520947	52.95555381	0.019060705
9218	52.930884	52.9500804	52.95453018	0.019196402
9219	52.930884	52.94821651	52.94900941	0.017332512
9220	52.913842	52.96682455	52.94800244	0.052982551
9221	52.913842	52.95731814	52.94620453	0.043476144
9222	52.927312	52.94242312	52.9445864	0.015111124
9223	52.927312	52.94138849	52.94021271	0.014076488
9224	52.930632	52.93898549	52.939496	0.008353486
9225	52.930632	52.93699466	52.93902947	0.006362658
9226	52.921641	52.94295238	52.9304655	0.021311382
9227	52.921641	52.93944002	52.93406159	0.017799022
9228	52.903269	52.93593969	52.93337156	0.032670692
9229	52.903269	52.92921869	52.92445838	0.025949693
9230	52.906402	52.92823756	52.9287006	0.021835558

9231	52.906402	52.92473785	52.91198657	0.018335852
9232	52.904757	52.92501537	52.9304655	0.020258369
9233	52.904757	52.92071996	52.9048198	0.015962962
9234	52.906986	52.92076015	52.90480933	0.013774149
9235	52.906986	52.91825584	52.90512029	0.011269835
9236	52.909706	52.918964	52.9053535	0.009257999
9237	52.909706	52.91718738	52.90583711	0.007481381
9238	52.894729	52.91586336	52.906224	0.021134359
9239	52.894729	52.91302434	52.905179	0.018295341
9240	52.899289	52.91190973	52.90430817	0.012620728
9241	52.899289	52.90967287	52.90392208	0.010383874
9242	52.888792	52.90844551	52.90359114	0.019653506
9243	52.888792	52.90459775	52.90260453	0.015805754
9244	52.904652	52.90186912	52.90174125	0.002782882
9245	52.904652	52.9019246	52.90191247	0.002727399
9246	52.882805	52.90408404	52.90206467	0.021279045
9247	52.882805	52.90188534	52.901051	0.019080345
9248	52.88048	52.91267062	52.9001387	0.032190617
9249	52.88048	52.9030429	52.89920257	0.0225629
9250	52.889994	52.89706904	52.89835155	0.007075044
9251	52.889994	52.89632254	52.8833128	0.00632854
9252	52.883365	52.89540288	52.88442633	0.012037876
9253	52.883365	52.89371115	52.88427471	0.010346146
9254	52.881643	52.89548128	52.884161	0.013838275
9255	52.881643	52.89296358	52.88388122	0.011320584
9256	52.872047	52.89272562	52.8836574	0.020678622
9257	52.872047	52.89078115	52.88260191	0.018734146
9258	52.868009	52.89040325	52.88172233	0.02239425
9259	52.868009	52.88709668	52.88066746	0.019087681
9260	52.863045	52.93151283	52.87976329	0.06846783
9261	52.863045	52.90625357	52.87864873	0.043208569
9262	52.878828	52.88750949	52.8776735	0.008681493
9263	52.878828	52.886252	52.87774141	0.007423997
9264	52.859497	52.8893242	52.87780178	0.029827198
9265	52.859497	52.88569222	52.87683837	0.026195224
9266	52.861638	52.88752677	52.8759713	0.025888767
9267	52.861638	52.88351684	52.87528876	0.021878836
9268	52.875885	52.88139403	52.86717733	0.005509027
9269	52.875885	52.88082479	52.86784715	0.00493979
9270	52.859055	52.8807266	52.86842129	0.021671604
9271	52.859055	52.87865076	52.86779687	0.019595764
9272	52.860601	52.87718143	52.8672505	0.016580434
9273	52.860601	52.8751372	52.86685935	0.014536198
9274	52.844081	52.87350937	52.86651167	0.02942837
9275	52.844081	52.86858724	52.86533111	0.024506243
9276	52.850918	52.87639956	52.8642686	0.025481563
9277	52.850918	52.87141426	52.86363286	0.020496255
9278	52.835803	52.88206772	52.86305491	0.046264721
9279	52.835803	52.86906638	52.85167922	0.033263377
9280	52.83747	52.86561118	52.8500916	0.028141183
9281	52.83747	52.86317987	52.84894418	0.025709873
9282	52.861104	52.86368102	52.842068	0.002577023
9283	52.861104	52.86484734	52.84899692	0.003743341
9284	52.828846	52.86714673	52.84986171	0.038300734
9285	52.828846	52.86224079	52.84846067	0.033394786
9286	52.834778	52.87011194	52.843037	0.035333939
9287	52.834778	52.85695899	52.84240169	0.022180991
9288	52.842052	52.85868371	52.84185714	0.016631706
9289	52.842052	52.85669637	52.84187013	0.014644367
9290	52.843358	52.85677529	52.8418815	0.013417287
9291	52.843358	52.85697003	52.84196835	0.013612034
9292	52.825279	52.85724718	52.84204556	0.03196818
9293	52.825279	52.85176344	52.83644627	0.026484444
9294	52.832404	52.84929759	52.83551567	0.01689359
9295	52.832404	52.84771804	52.83527631	0.015314036
9296	52.821068	52.85291831	52.84764875	0.031850313
9297	52.821068	52.84761906	52.83342323	0.026551055
9298	52.826188	52.84527666	52.82625033	0.019088663
9299	52.826188	52.84120109	52.82624143	0.015013089
9300	52.831346	52.84287274	52.82623475	0.011526741
9301	52.831346	52.84342312	52.82680267	0.012077123
9302	52.814095	52.84428919	52.827257	0.030194193

9303	52.814095	52.83921835	52.82606045	0.025123348
9304	52.812758	52.84133355	52.82506333	0.02857555
9305	52.812758	52.83754498	52.82411677	0.024786983
9306	52.814864	52.83853329	52.82330543	0.023669295
9307	52.814864	52.83582021	52.82274267	0.020956213
9308	52.828684	52.83820314	52.81390567	0.009519144
9309	52.828684	52.83669669	52.81601686	0.008012686
9310	52.796447	52.84192261	52.82296511	0.045475611
9311	52.796447	52.83031509	52.81524989	0.033868095
9312	52.818327	52.827055	52.82296511	0.008727997
9313	52.818327	52.82665838	52.822721	0.008331381
9314	52.814952	52.83140247	52.8225013	0.016450467
9315	52.814952	52.83062493	52.82214181	0.015672934
9316	52.794517	52.8272982	52.821815	0.032781205
9317	52.794517	52.82552751	52.81298473	0.031010513
9318	52.802168	52.82440988	52.80606075	0.022241882
9319	52.802168	52.82324195	52.81611754	0.021073951
9320	52.795675	52.82605573	52.81512114	0.030380728
9321	52.795675	52.82420052	52.81382473	0.028525519
9322	52.787607	52.82077762	52.79745333	0.033170618
9323	52.787607	52.813712	52.79604671	0.026105001
9324	52.790036	52.85056316	52.79499175	0.060527156
9325	52.790036	52.84444899	52.79444111	0.054412987
9326	52.786271	52.81468548	52.7940006	0.028414475
9327	52.786271	52.81151146	52.7883114	0.025240458
9328	52.767777	52.83960795	52.78797133	0.071830951
9329	52.767777	52.81930982	52.767777	0.051532816
9330	52.788483	52.82298487	52.767777	0.034501872
9331	52.788483	52.816204	52.788483	0.027721003
9332	52.786108	52.81542079	52.77813	0.029312795
9333	52.786108	52.81102761	52.7797256	0.024919606
9334	52.776235	52.80633062	52.78711725	0.030095623
9335	52.776235	52.80211617	52.78013871	0.025881166
9336	52.769481	52.80342721	52.77965075	0.033946207
9337	52.769481	52.7985027	52.78263056	0.029021705
9338	52.77165	52.80852986	52.78007675	0.036879855
9339	52.77165	52.79887116	52.77914044	0.027221163
9340	52.766809	52.79996573	52.7705655	0.033156726
9341	52.766809	52.79261323	52.7698142	0.025804228
9342	52.761181	52.80428518	52.76931333	0.043104184
9343	52.761181	52.79912448	52.764933	0.037943476
9344	52.768818	52.81014201	52.76931333	0.041324014
9345	52.768818	52.79617493	52.76924257	0.027356932
9346	52.772278	52.79194698	52.761181	0.019668982
9347	52.772278	52.78779066	52.76655629	0.015512662
9348	52.758061	52.79207726	52.7683695	0.034016262
9349	52.758061	52.78127939	52.758061	0.023218387
9350	52.749016	52.78763974	52.758061	0.038623744
9351	52.749016	52.78184396	52.755046	0.032827957
9352	52.744038	52.78170979	52.7535385	0.037671788
9353	52.744038	52.77367691	52.7516384	0.029638909
9354	52.756497	52.76884709	52.75037167	0.012350088
9355	52.756497	52.76988237	52.75753967	0.01338537
9356	52.742994	52.77908557	52.746527	0.036091567
9357	52.742994	52.77296351	52.7458204	0.029969511
9358	52.739381	52.79396807	52.757279	0.054587066
9359	52.739381	52.778216	52.74178967	0.038835
9360	52.742026	52.76630104	52.7411875	0.024275039
9361	52.742026	52.76114576	52.7413552	0.019119761
9362	52.746762	52.77381871	52.741467	0.027056708
9363	52.746762	52.76958999	52.74222343	0.02282799
9364	52.731634	52.76398254	52.74279075	0.032348537
9365	52.731634	52.75754243	52.731634	0.02590843
9366	52.730347	52.79082537	52.731634	0.060478373
9367	52.730347	52.77007379	52.731205	0.039726791
9368	52.721276	52.77231929	52.730347	0.051043287
9369	52.721276	52.76437195	52.721276	0.043095946
9370	52.725311	52.76101725	52.7309905	0.035706246
9371	52.725311	52.75553017	52.722621	0.030219167
9372	52.726452	52.76043	52.7232935	0.033978
9373	52.726452	52.75503277	52.7239252	0.028580769
9374	52.714027	52.84914952	52.72434633	0.135122516

9375	52.714027	52.82114379	52.72287214	0.107116792
9376	52.72496	52.76307233	52.727004	0.038112335
9377	52.72496	52.75546204	52.72681818	0.030502043
9378	52.717742	52.76569306	52.72666333	0.047951057
9379	52.717742	52.74985254	52.72597708	0.032110543
9380	52.716633	52.75017485	52.721628	0.033541851
9381	52.716633	52.74581843	52.71858443	0.029185428
9382	52.720921	52.74466113	52.7183405	0.023740127
9383	52.720921	52.7415733	52.71862722	0.020652304
9384	52.708732	52.73766556	52.7188566	0.028933564
9385	52.708732	52.73397147	52.71793618	0.025239472
9386	52.705633	52.74229273	52.71716917	0.036659726
9387	52.705633	52.73882386	52.71628177	0.033190859
9388	52.70645	52.74236136	52.7071825	0.035911359
9389	52.70645	52.73517292	52.707036	0.028722924
9390	52.703277	52.75069629	52.70693833	0.047419288
9391	52.703277	52.73798518	52.70641529	0.034708176
9392	52.704244	52.73107572	52.706023	0.026831719
9393	52.704244	52.72661312	52.70582533	0.022369119
9394	52.691396	52.73129411	52.7056672	0.03989811
9395	52.691396	52.72545172	52.70436982	0.03405572
9396	52.69412	52.72768261	52.691396	0.033562611
9397	52.69412	52.72504921	52.692304	0.030929206
9398	52.707002	52.73464319	52.692758	0.027641186
9399	52.707002	52.72747004	52.6956068	0.020468045
9400	52.685679	52.72839817	52.697506	0.042719166
9401	52.685679	52.71888861	52.69581643	0.033209608
9402	52.693556	52.72030917	52.69454925	0.026753165
9403	52.693556	52.71638408	52.69443889	0.022828077
9404	52.693173	52.72267058	52.6943506	0.029497583
9405	52.693173	52.71733684	52.69424355	0.024163841
9406	52.705969	52.75420669	52.69415433	0.048237689
9407	52.705969	52.72775317	52.69506315	0.021784167
9408	52.690254	52.72347422	52.69584214	0.03322022
9409	52.690254	52.71658529	52.6954696	0.026331286
9410	52.688982	52.71596366	52.69514363	0.026981661
9411	52.688982	52.71622579	52.69478118	0.027243792
9412	52.693597	52.72005717	52.694459	0.026460174
9413	52.693597	52.71709758	52.69119447	0.023500578
9414	52.682273	52.71652941	52.7064855	0.034256405
9415	52.682273	52.71312906	52.701643	0.030856056
9416	52.682116	52.71677686	52.6920032	0.034660856
9417	52.682116	52.71119826	52.68222067	0.029082264
9418	52.692411	52.71528422	52.6821945	0.022873223
9419	52.692411	52.71130792	52.6842378	0.018896924
9420	52.683692	52.70855689	52.69121325	0.024864885
9421	52.683692	52.70489932	52.68532743	0.021201198
9422	52.691909	52.7057024	52.6885733	0.013793402
9423	52.691909	52.70256184	52.68873214	0.010652837
9424	52.6806	52.70394208	52.69372017	0.023342082
9425	52.6806	52.70126375	52.6885167	0.020663747
9426	52.689554	52.70619991	52.68818683	0.016645907
9427	52.689554	52.70291052	52.68824152	0.013356516
9428	52.685766	52.69889127	52.688292	0.013125266
9429	52.685766	52.69771049	52.68819844	0.011944489
9430	52.693135	52.69886094	52.68811157	0.005725937
9431	52.693135	52.69980358	52.68828479	0.006668581
9432	52.681748	52.70057451	52.68844647	0.018826506
9433	52.681748	52.69552914	52.68823039	0.01378114
9434	52.678988	52.696056	52.68802781	0.017068003
9435	52.678988	52.69470564	52.680828	0.015717641
9436	52.674401	52.70399828	52.680368	0.029597284
9437	52.674401	52.70196696	52.6791746	0.027565961
9438	52.702168	52.69635382	52.678379	0.005814181
9439	52.702168	52.69798114	52.68731786	0.004186858
9440	52.679984	52.69928632	52.702168	0.019302321
9441	52.679984	52.69913275	52.68363459	0.019148748
9442	52.694436	52.69360024	52.6900865	0.000835765
9443	52.694436	52.69403969	52.69034235	0.000396308
9444	52.681211	52.69804168	52.68343178	0.016830685
9445	52.681211	52.69819028	52.68331489	0.016979279
9446	52.677512	52.69737605	52.6832097	0.019864052

9447	52.677512	52.69611042	52.68293838	0.018598418
9448	52.691028	52.69414731	52.69056978	0.003119308
9449	52.691028	52.69038002	52.69059389	0.000647981
9450	52.701257	52.71599043	52.6906156	0.014733429
9451	52.701257	52.71103566	52.69112233	0.009778664
9452	52.692141	52.6916147	52.691583	0.000526303
9453	52.692141	52.69067207	52.69160726	0.001468934
9454	52.677564	52.69623539	52.6916295	0.018671394
9455	52.677564	52.69303596	52.69106688	0.015471955
9456	52.706562	52.70740826	52.69054754	0.000846258
9457	52.706562	52.70431015	52.69114067	0.002251854
9458	52.677541	52.69404128	52.68684146	0.016500281
9459	52.677541	52.69364747	52.68613789	0.016106468
9460	52.693382	52.69894229	52.7039095	0.00556029
9461	52.693382	52.69576772	52.69174972	0.002385716
9462	52.684428	52.69615884	52.6822625	0.011730843
9463	52.684428	52.69567565	52.68234912	0.011247647
9464	52.698541	52.69970433	52.69180413	0.001163328
9465	52.698541	52.69886277	52.70143122	0.000321766
9466	52.696606	52.70138228	52.68642311	0.004776277
9467	52.696606	52.7006998	52.68660175	0.004093798
9468	52.706203	52.70661431	52.7011422	0.000411313
9469	52.706203	52.70093581	52.70160227	0.005267188
9470	52.697385	52.69705915	52.70198567	0.000325851
9471	52.697385	52.69686833	52.70163177	0.000516666
9472	52.698646	52.69318048	52.68677424	0.005465515
9473	52.698646	52.69438683	52.68697546	0.004259169
9474	52.703458	52.70237077	52.68716997	0.00108723
9475	52.703458	52.70004541	52.7014704	0.003412586
9476	52.708136	52.70196249	52.70159462	0.006173512
9477	52.708136	52.70116369	52.70197941	0.006972305
9478	52.695691	52.69663855	52.68716997	0.000947551
9479	52.695691	52.6964695	52.68730966	0.000778497
9480	52.706196	52.69805048	52.68744484	0.008145517
9481	52.706196	52.69975006	52.68774248	0.006445941
9482	52.715157	52.70173264	52.708136	0.013424355
9483	52.715157	52.70220819	52.71047633	0.012948808
9484	52.710668	52.70379435	52.68803081	0.006873647
9485	52.710668	52.70354426	52.68837908	0.00712374
9486	52.696208	52.70150104	52.7129125	0.005293038
9487	52.696208	52.70129236	52.70860714	0.005084362
9488	52.714551	52.70555851	52.70705725	0.008992493
9489	52.714551	52.710263	52.70788989	0.004287997
9490	52.731281	52.7071215	52.708556	0.024159503
9491	52.731281	52.70845858	52.72012767	0.022822425
9492	52.72946	52.7265212	52.731281	0.0029388
9493	52.72946	52.71911973	52.730674	0.010340273
9494	52.714674	52.71297338	52.7303705	0.001700616
9495	52.714674	52.71349873	52.7272312	0.001175268
9496	52.716572	52.71910814	52.7210246	0.002536135
9497	52.716572	52.71446404	52.72061982	0.002107957
9498	52.725829	52.71260932	52.70435733	0.013219684
9499	52.725829	52.70931638	52.72331144	0.016512616
9500	52.733849	52.71430819	52.7235632	0.019540811
9501	52.733849	52.71842758	52.72449827	0.015421418
9502	52.726257	52.72043829	52.7252775	0.005818712
9503	52.726257	52.72333024	52.72535285	0.002926758
9504	52.734152	52.72290341	52.72541743	0.011248586
9505	52.734152	52.72448182	52.7308728	0.009670184
9506	52.740931	52.72481299	52.73141933	0.016118006
9507	52.740931	52.7267567	52.73277814	0.014174299
9508	52.732513	52.7283965	52.73379725	0.004116504
9509	52.732513	52.72756181	52.73365456	0.004951186
9510	52.737576	52.73045441	52.7335404	0.007121588
9511	52.737576	52.73127193	52.73390727	0.006304067
9512	52.750739	52.73237668	52.734213	0.018362317
9513	52.750739	52.73462699	52.73548423	0.01611201
9514	52.739005	52.73576486	52.7391822	0.003240138
9515	52.739005	52.73612338	52.73916609	0.002881622
9516	52.756884	52.73358363	52.73915267	0.023300368
9517	52.756884	52.73646366	52.74051662	0.02042034
9518	52.752709	52.74000875	52.74168571	0.01270025

9519	52.752709	52.74067172	52.74942357	0.012037281
9520	52.73805	52.74020666	52.7547965	0.002156664
9521	52.73805	52.73937148	52.74852489	0.001321483
9522	52.753924	52.74250389	52.7474774	0.011420109
9523	52.753924	52.74345974	52.74806345	0.010464262
9524	52.75666	52.74365849	52.7506522	0.013001513
9525	52.75666	52.74433589	52.75119836	0.012324109
9526	52.758895	52.74161033	52.7516535	0.017284669
9527	52.758895	52.74574603	52.75221054	0.013148969
9528	52.764782	52.74694013	52.752688	0.017841873
9529	52.764782	52.7490846	52.75767714	0.0156974
9530	52.778405	52.75032514	52.75856525	0.028079858
9531	52.778405	52.75308536	52.76272557	0.025319637
9532	52.759162	52.75108049	52.75285367	0.008081511
9533	52.759162	52.75098314	52.75333892	0.008178865
9534	52.770082	52.75488833	52.7715935	0.015193674
9535	52.770082	52.75686684	52.7712912	0.013215159
9536	52.761227	52.75675159	52.77108967	0.004475407
9537	52.761227	52.75689678	52.76968071	0.004330217
9538	52.76838	52.75227017	52.760676	0.016109834
9539	52.76838	52.75394215	52.7611896	0.014437852
9540	52.767233	52.7584993	52.761639	0.008733698
9541	52.767233	52.75854148	52.76196806	0.008691525
9542	52.77207	52.75680525	52.76226056	0.015264746
9543	52.77207	52.75804975	52.76737413	0.01402025
9544	52.776395	52.76008733	52.76766763	0.016307666
9545	52.776395	52.76221166	52.768181	0.014183338
9546	52.766614	52.76452934	52.76863733	0.002084656
9547	52.766614	52.76415276	52.76853084	0.002461243
9548	52.773866	52.76094638	52.76946533	0.012919622
9549	52.773866	52.76307463	52.76969695	0.01079137
9550	52.782193	52.76577293	52.7699054	0.016420071
9551	52.782193	52.76761318	52.77049052	0.014579819
9552	52.776553	52.76743655	52.77102245	0.00911645
9553	52.776553	52.76925035	52.77126291	0.007302647
9554	52.790401	52.77030664	52.77148333	0.020094361
9555	52.790401	52.77410169	52.7815786	0.016299313
9556	52.786075	52.77295701	52.783049	0.013117987
9557	52.786075	52.77626274	52.78348129	0.009812263
9558	52.773051	52.77356256	52.7838055	0.000511564
9559	52.773051	52.77302984	52.78261056	2.12E-05
9560	52.786874	52.77792933	52.7816546	0.008944668
9561	52.786874	52.77842922	52.78212909	0.00844478
9562	52.77351	52.78028142	52.7825245	0.006771423
9563	52.77351	52.77962451	52.78183108	0.006114506
9564	52.781727	52.7792983	52.78123671	0.002428703
9565	52.781727	52.77965257	52.7812694	0.002074433
9566	52.792482	52.77912566	52.781298	0.013356339
9567	52.792482	52.78019791	52.78195588	0.012284091
9568	52.782247	52.78257705	52.78254067	0.000330051
9569	52.782247	52.78196771	52.78252521	0.000279285
9570	52.774265	52.78242237	52.7825113	0.008157374
9571	52.774265	52.78173263	52.78211862	0.007467635
9572	52.786863	52.77627733	52.78176164	0.010585671
9573	52.786863	52.77868387	52.78198343	0.008179126
9574	52.780157	52.78347364	52.78218675	0.003316637
9575	52.780157	52.78229319	52.78210556	0.002136192
9576	52.792137	52.78200387	52.78203062	0.010133128
9577	52.792137	52.78326678	52.78240493	0.008870218
9578	52.781554	52.78513003	52.7827525	0.003576025
9579	52.781554	52.78393849	52.78271117	0.002384491
9580	52.796964	52.78358939	52.7826726	0.013374611
9581	52.796964	52.78631631	52.78436793	0.010647689
9582	52.792402	52.78630668	52.78481779	0.006095319
9583	52.792402	52.78688104	52.78507931	0.00552096
9584	52.782678	52.78441444	52.7853234	0.001736443
9585	52.782678	52.78400466	52.78523806	0.00132666
9586	52.797076	52.78513924	52.78515806	0.011936762
9587	52.797076	52.78732722	52.78551921	0.009748783
9588	52.778182	52.77756828	52.78585912	0.000613718
9589	52.778182	52.77641052	52.77348308	0.001771476
9590	52.7801	52.78077501	52.78585912	0.000675011

9591	52.7801	52.78045391	52.78569457	0.000353909
9592	52.776247	52.7832444	52.78553917	0.006997397
9593	52.776247	52.78276262	52.78528803	0.006515619
9594	52.77958	52.78174565	52.77896958	0.002165654
9595	52.77958	52.78187882	52.77898523	0.002298823
9596	52.781447	52.7850788	52.790323	0.003631796
9597	52.781447	52.78298394	52.77905978	0.001536939
9598	52.780214	52.78209892	52.77911662	0.001884921
9599	52.780214	52.78160914	52.77914214	0.001395138
9600	52.782284	52.78500089	52.790323	0.002716894
9601	52.782284	52.78499788	52.78978707	0.002713879
9602	52.77857	52.78525292	52.78931813	0.006682919
9603	52.77857	52.78396225	52.78420264	0.005392254
9604	52.769399	52.78119983	52.78408529	0.011800827
9605	52.769399	52.77931005	52.77894944	0.009911053
9606	52.774474	52.7785094	52.77874183	0.004035403
9607	52.774474	52.77850338	52.77865102	0.004029384
9608	52.769218	52.77448696	52.778564	0.005268955
9609	52.769218	52.77413313	52.77837327	0.004915135
9610	52.775718	52.77855753	52.77819016	0.002839531
9611	52.775718	52.77807359	52.77814169	0.002355594
9612	52.785283	52.78186025	52.78812389	0.003422754
9613	52.785283	52.78247408	52.78797437	0.002808923
9614	52.780769	52.7821089	52.7878398	0.0013399
9615	52.780769	52.78213601	52.7875031	0.001367014
9616	52.770173	52.78287579	52.787197	0.012702794
9617	52.770173	52.78219534	52.78252323	0.012022337
9618	52.786973	52.78276562	52.78232403	0.004207383
9619	52.786973	52.78244173	52.78239783	0.004531266
9620	52.768491	52.78146004	52.78246931	0.012969042
9621	52.768491	52.78041024	52.78225426	0.011919236
9622	52.770561	52.77951934	52.78204573	0.008958339
9623	52.770561	52.77890274	52.78187431	0.008341739
9624	52.779499	52.78144655	52.78170794	0.001947551
9625	52.779499	52.78100168	52.78167593	0.001502684
9626	52.759602	52.7794272	52.78164483	0.019825195
9627	52.759602	52.77794975	52.78133437	0.018347746
9628	52.759257	52.77669295	52.78041008	0.01743595
9629	52.759257	52.77440434	52.78014232	0.015147335
9630	52.771202	52.7744127	52.77988125	0.003210697
9631	52.771202	52.77449671	52.7797741	0.003294715
9632	52.771695	52.77469012	52.77966956	0.002995117
9633	52.771695	52.77405984	52.77957348	0.002364839
9634	52.764665	52.77294144	52.77947969	0.008276436
9635	52.764665	52.77260893	52.7793054	0.00794393
9636	52.765859	52.77265297	52.77913516	0.006793971
9637	52.765859	52.77201027	52.77886758	0.006151271
9638	52.757478	52.77214282	52.76538	0.014664822
9639	52.757478	52.76938553	52.76477215	0.011907528
9640	52.759621	52.77128903	52.76425114	0.011668032
9641	52.759621	52.7706762	52.76394247	0.011055201
9642	52.75452	52.77068575	52.76367238	0.016165754
9643	52.75452	52.76386155	52.763134	0.00934155
9644	52.76808	52.76166025	52.76265544	0.006419746
9645	52.76808	52.7627391	52.76294095	0.0053409
9646	52.751036	52.76466362	52.7631979	0.013627623
9647	52.751036	52.76200869	52.76261876	0.010972686
9648	52.760417	52.7688633	52.76209227	0.008446302
9649	52.760417	52.76937308	52.76201943	0.008956085
9650	52.756401	52.76043429	52.76195267	0.004033288
9651	52.756401	52.76039167	52.7617306	0.003990666
9652	52.757307	52.76104583	52.76152562	0.003738826
9653	52.757307	52.76116773	52.76136937	0.003860725
9654	52.753482	52.76037465	52.76122429	0.006892648
9655	52.753482	52.75918958	52.76095731	0.005707583
9656	52.748003	52.75874412	52.76070813	0.010741123
9657	52.748003	52.75788618	52.76029829	0.00988318
9658	52.749309	52.75814468	52.75991406	0.008835684
9659	52.749309	52.75748947	52.7595927	0.008180471
9660	52.758465	52.75756512	52.75929024	0.000899883
9661	52.758465	52.75667017	52.75926666	0.001794832
9662	52.739793	52.75726861	52.75924439	0.017475609

9663	52.739793	52.75314839	52.75871868	0.013355385
9664	52.744116	52.75192959	52.739793	0.007813589
9665	52.744116	52.74951653	52.741234	0.005400525
9666	52.7378	52.75040217	52.7419545	0.012602166
9667	52.7378	52.7465002	52.7411236	0.008700205
9668	52.73729	52.74393859	52.74056967	0.006648592
9669	52.73729	52.74364747	52.74010114	0.006357469
9670	52.737933	52.74789913	52.73974975	0.009966131
9671	52.737933	52.7434609	52.73954789	0.005527904
9672	52.748878	52.74206096	52.7393864	0.006817037
9673	52.748878	52.7427708	52.74024927	0.006107202
9674	52.725525	52.74932582	52.74096833	0.023800822
9675	52.725525	52.74453458	52.73978038	0.019009584
9676	52.72857	52.74176465	52.73876214	0.013194653
9677	52.72857	52.74098549	52.73808267	0.012415493
9678	52.725183	52.74030168	52.73748812	0.015118685
9679	52.725183	52.73864329	52.73676429	0.013460286
9680	52.748066	52.73869542	52.73612089	0.00937058
9681	52.748066	52.7402361	52.73674958	0.007829901
9682	52.722174	52.74640636	52.7373154	0.024232362
9683	52.722174	52.74395216	52.73659438	0.02177816
9684	52.734732	52.73999419	52.73593891	0.005262187
9685	52.734732	52.73943789	52.73588643	0.004705887
9686	52.739255	52.73941118	52.73583833	0.000156178
9687	52.739255	52.73960633	52.735975	0.00035133
9688	52.729747	52.7394855	52.73610115	0.009738504
9689	52.729747	52.73905419	52.73586581	0.009307194
9690	52.72642	52.7377989	52.73564729	0.011378898
9691	52.72642	52.73663849	52.7353291	0.01021849
9692	52.735163	52.73787962	52.73107467	0.002716621
9693	52.735163	52.73698665	52.73128984	0.001823649
9694	52.735304	52.7365494	52.7314835	0.001245404
9695	52.735304	52.73746493	52.73166543	0.00216093
9696	52.724457	52.73795427	52.73183082	0.01349727
9697	52.724457	52.73795571	52.73151022	0.013498708
9698	52.738582	52.73747819	52.73121633	0.001103815
9699	52.738582	52.73828059	52.73151096	0.000301414
9700	52.73368	52.73806238	52.73178292	0.004382384
9701	52.73368	52.73657526	52.73185319	0.002895258
9702	52.7347	52.7364158	52.73191843	0.001715799
9703	52.7347	52.73662388	52.73201434	0.001923883
9704	52.718192	52.73632866	52.73210387	0.018136655
9705	52.718192	52.73509327	52.7316551	0.016901267
9706	52.7205	52.7342257	52.73123438	0.013725702
9707	52.7205	52.73333833	52.73090909	0.012838326
9708	52.726677	52.73321767	52.73060294	0.00654067
9709	52.726677	52.73258627	52.73049077	0.005909269
9710	52.716943	52.73200476	52.73038483	0.015061756
9711	52.716943	52.73195992	52.72109729	0.015016921
9712	52.726889	52.73220733	52.720578	0.005318334
9713	52.726889	52.73105988	52.72127922	0.004170876
9714	52.72445	52.73050193	52.7218402	0.006051932
9715	52.72445	52.73007238	52.72207745	0.005622382
9716	52.720098	52.73002112	52.72227517	0.009923118
9717	52.720098	52.73043807	52.72210769	0.010340068
9718	52.731459	52.7286209	52.72196414	0.002838098
9719	52.731459	52.72976153	52.72259713	0.001697467
9720	52.717283	52.72941614	52.723151	0.012133142
9721	52.717283	52.72864561	52.72280582	0.011362609
9722	52.715143	52.73025041	52.722499	0.015107412
9723	52.715143	52.72916738	52.72211184	0.014024378
9724	52.718606	52.72799226	52.7217634	0.009386264
9725	52.718606	52.72749151	52.72161305	0.00885512
9726	52.720813	52.72718276	52.72147636	0.006369762
9727	52.720813	52.72699846	52.72144752	0.006185462
9728	52.726164	52.72689615	52.72142108	0.000732148
9729	52.726164	52.72644555	52.7216108	0.000281552
9730	52.730011	52.72700511	52.72178592	0.003005886
9731	52.730011	52.72712189	52.72209056	0.002889108
9732	52.714819	52.72640017	52.72237343	0.011581167
9733	52.714819	52.72559806	52.72211293	0.010779062
9734	52.719107	52.72487593	52.7218698	0.005768932

9735	52.719107	52.72441284	52.72178068	0.005305838
9736	52.72985	52.72481126	52.72169712	0.005038739
9737	52.72985	52.72584212	52.72194418	0.004007883
9738	52.717226	52.72547979	52.72217671	0.008253793
9739	52.717226	52.72389313	52.72203526	0.006667131
9740	52.720784	52.7241451	52.72190167	0.003361099
9741	52.720784	52.72361977	52.72187146	0.002835771
9742	52.735134	52.72410242	52.72184284	0.011031582
9743	52.735134	52.72540876	52.72218364	0.00972524
9744	52.728866	52.72603961	52.7225074	0.002826389
9745	52.728866	52.72578667	52.72266249	0.003079334
9746	52.720636	52.72558223	52.72281019	0.00494623
9747	52.720636	52.72474754	52.72275963	0.004111536
9748	52.710277	52.72430656	52.72271136	0.014029559
9749	52.710277	52.72360912	52.72243504	0.013332124
9750	52.722	52.72379542	52.72217074	0.001795418
9751	52.722	52.72398525	52.72216711	0.001985249
9752	52.715693	52.72365766	52.72216363	0.007964663
9753	52.715693	52.72292633	52.72203157	0.007233327
9754	52.707476	52.72255389	52.7219048	0.015077891
9755	52.707476	52.7218189	52.72162188	0.014342904
9756	52.718118	52.72072444	52.72134985	0.002606444
9757	52.718118	52.72112657	52.72128887	0.003008566
9758	52.708698	52.72130462	52.72123015	0.012606618
9759	52.708698	52.72144965	52.72100229	0.012751653
9760	52.730921	52.72085037	52.72078257	0.010070628
9761	52.730921	52.72103569	52.72096044	0.009885312
9762	52.715139	52.72350307	52.72113217	0.008364069
9763	52.715139	52.72310224	52.72103059	0.007963236
9764	52.719964	52.72238561	52.7209324	0.002421612
9765	52.719964	52.72249868	52.72091652	0.002534681
9766	52.723047	52.72198833	52.72090116	0.00105867
9767	52.723047	52.72227178	52.72093522	0.000775223
9768	52.724406	52.72219305	52.72096822	0.002212951
9769	52.724406	52.72281851	52.72102111	0.001587493
9770	52.709376	52.72234988	52.72107239	0.012973879
9771	52.709376	52.7211987	52.72089782	0.011822699
9772	52.72221	52.72175979	52.72072838	0.000450215
9773	52.72221	52.72130653	52.72074986	0.000903465
9774	52.716331	52.72204114	52.72077071	0.005710136
9775	52.716331	52.72166254	52.72070818	0.00533154
9776	52.726497	52.72116779	52.72064739	0.005329207
9777	52.726497	52.72200551	52.72072752	0.004491489
9778	52.716138	52.72244696	52.72080549	0.006308963
9779	52.716138	52.72199032	52.72074325	0.005852317
9780	52.709847	52.72107719	52.72068266	0.011230185
9781	52.709847	52.72067036	52.72054194	0.010823361
9782	52.723655	52.72145414	52.72040482	0.002200857
9783	52.723655	52.72156509	52.72044596	0.002089911
9784	52.719541	52.72146443	52.72048607	0.001923434
9785	52.719541	52.7214651	52.72047441	0.001924097
9786	52.719508	52.72138296	52.72046302	0.001874957
9787	52.719508	52.7210382	52.72045152	0.0015302
9788	52.72393	52.72095972	52.72044029	0.002970276
9789	52.72393	52.72118302	52.72048134	0.002746976
9790	52.72535	52.7212744	52.72052144	0.004075605
9791	52.72535	52.72128781	52.72057694	0.004062192
9792	52.720068	52.72161316	52.72063118	0.001545159
9793	52.720068	52.72162922	52.72062485	0.001561218
9794	52.722951	52.72144276	52.72061867	0.001508242
9795	52.722951	52.72160428	52.7206443	0.001346716
9796	52.730251	52.72161099	52.72066937	0.008640006
9797	52.730251	52.72192661	52.7207724	0.008324389
9798	52.720267	52.72263104	52.72087323	0.002364038
9799	52.720267	52.72253966	52.72086685	0.00227266
9800	52.717229	52.72177781	52.7208606	0.004548808
9801	52.717229	52.72145928	52.72082316	0.004230279
9802	52.716932	52.72147132	52.72078649	0.004539323
9803	52.716932	52.72153318	52.72074756	0.004601178
9804	52.71926	52.72130048	52.7207094	0.002040479
9805	52.71926	52.72113982	52.72069505	0.00187982
9806	52.730558	52.72129492	52.72068098	0.009263076

9807	52.730558	52.72148786	52.72077687	0.009070142
9808	52.710772	52.72174379	52.72087092	0.010971788
9809	52.710772	52.7210145	52.72077474	0.010242496
9810	52.723967	52.72174424	52.72068038	0.002222758
9811	52.723967	52.72146348	52.72071109	0.002503517
9812	52.718924	52.72074741	52.72074124	0.001823406
9813	52.718924	52.72112359	52.72072457	0.002199593
9814	52.718726	52.72109007	52.7207082	0.002364066
9815	52.718726	52.72108675	52.72069034	0.002360754
9816	52.711985	52.72200662	52.7206728	0.010021615
9817	52.711985	52.72090188	52.72059592	0.008916882
9818	52.715189	52.72157328	52.72052039	0.006384282
9819	52.715189	52.72133034	52.72047403	0.006141341
9820	52.718722	52.72055397	52.72042847	0.00183197
9821	52.718722	52.72056228	52.72041388	0.001840276
9822	52.705495	52.72096647	52.72039954	0.015471466
9823	52.705495	52.71958501	52.72027429	0.014090012
9824	52.70173	52.71925893	52.72015113	0.017528927
9825	52.70173	52.7182317	52.71999889	0.016501699
9826	52.717078	52.71739627	52.71984915	0.000318274
9827	52.717078	52.71818252	52.71982662	0.001104517
9828	52.718583	52.71839731	52.71980445	0.00018569
9829	52.718583	52.71925385	52.71979468	0.000670846
9830	52.712553	52.71929101	52.71978506	0.006738011
9831	52.712553	52.71905076	52.71972812	0.006497755
9832	52.71561	52.7188233	52.71967206	0.003213297
9833	52.71561	52.71888182	52.71964057	0.003271821
9834	52.703831	52.71834621	52.71960957	0.014515207
9835	52.703831	52.71771457	52.71948912	0.013883569
9836	52.712835	52.71836079	52.7193705	0.005525793
9837	52.712835	52.71820264	52.71932136	0.005367636
9838	52.705189	52.71646635	52.71927296	0.011277346
9839	52.705189	52.71708031	52.71916863	0.011891313
9840	52.715644	52.71664812	52.71906584	0.001004124
9841	52.715644	52.71683186	52.71904086	0.00118786
9842	52.711203	52.71761555	52.71901625	0.006412548
9843	52.711203	52.71723435	52.71896004	0.006031349
9844	52.712045	52.71621014	52.71890463	0.004165139
9845	52.712045	52.71608574	52.71885598	0.00404074
9846	52.689229	52.71559156	52.71880801	0.026362558
9847	52.689229	52.71102231	52.71860117	0.021793306
9848	52.708533	52.70846122	52.71839719	7.18E-05
9849	52.708533	52.71172434	52.71832917	0.003191338
9850	52.703341	52.71038009	52.71826207	0.007039085
9851	52.703341	52.7108113	52.71816056	0.0074703
9852	52.699211	52.71434878	52.71806043	0.015137776
9853	52.699211	52.71294748	52.71793393	0.013736483
9854	52.700644	52.70934621	52.71780911	0.008702211
9855	52.700644	52.70903606	52.71769543	0.008392065
9856	52.701772	52.70931219	52.71758325	0.007540192
9857	52.701772	52.70852198	52.71747991	0.006749976
9858	52.711135	52.7084301	52.71737791	0.002704904
9859	52.711135	52.70893012	52.71733763	0.002204877
9860	52.700412	52.70956586	52.71729787	0.009153864
9861	52.700412	52.70937947	52.71719032	0.008967473
9862	52.686169	52.70960281	52.71708413	0.023433812
9863	52.686169	52.70577103	52.71688969	0.019602032
9864	52.701603	52.70227104	52.71669769	0.000668036
9865	52.701603	52.70321285	52.70730365	0.001609848
9866	52.700655	52.7037979	52.70718964	0.0031429
9867	52.700655	52.7034387	52.70706151	0.0027837
9868	52.699896	52.70340795	52.70693831	0.003511946
9869	52.699896	52.70328204	52.70572119	0.003386043
9870	52.688683	52.70594654	52.70559983	0.017263535
9871	52.688683	52.70314322	52.70525459	0.014460222
9872	52.688672	52.7011867	52.70492316	0.012514701
9873	52.688672	52.69991445	52.70460451	0.011242449
9874	52.693482	52.69916569	52.70429812	0.005683687
9875	52.693482	52.69820791	52.70409404	0.004725906
9876	52.695724	52.69849607	52.70389752	0.002772072
9877	52.695724	52.69807837	52.70374891	0.002354373
9878	52.701609	52.69891279	52.70360561	0.002696215

9879	52.701609	52.69958741	52.70357058	0.002021595
9880	52.692361	52.69968577	52.70353676	0.007324771
9881	52.692361	52.69896014	52.70334734	0.006599139
9882	52.679673	52.69861509	52.70316423	0.018942092
9883	52.679673	52.69674566	52.70277913	0.017072661
9884	52.698375	52.69488796	52.70240645	0.003487041
9885	52.698375	52.69606261	52.70234246	0.002312391
9886	52.693808	52.69629483	52.70228047	0.002486829
9887	52.693808	52.69614474	52.70215012	0.002336742
9888	52.6971	52.69627479	52.70202373	0.000825213
9889	52.6971	52.69672534	52.70195024	0.000374659
9890	52.695639	52.69716796	52.70187891	0.00152896
9891	52.695639	52.69719161	52.69688473	0.001552611
9892	52.67882	52.69659751	52.69685765	0.017777508
9893	52.67882	52.69320286	52.69647387	0.014382862
9894	52.692203	52.69232342	52.69610608	0.000120422
9895	52.692203	52.6929482	52.69602643	0.000745203
9896	52.697572	52.69383681	52.69594996	0.003735188
9897	52.697572	52.69399737	52.69598176	0.003574626
9898	52.684997	52.69488757	52.69601235	0.009890569
9899	52.684997	52.69386858	52.69580451	0.008871577
9900	52.696601	52.69320156	52.69560437	0.003399442
9901	52.696601	52.69386217	52.69562249	0.002738834
9902	52.684801	52.69363179	52.69563996	0.008830787
9903	52.684801	52.69301365	52.69544981	0.008212652
9904	52.686406	52.69332067	52.69526621	0.006914674
9905	52.686406	52.69282566	52.69511603	0.006419656
9906	52.681137	52.69239223	52.69497087	0.011255228
9907	52.681137	52.69114941	52.69474408	0.010012406
9908	52.691665	52.69063662	52.69452461	0.001028385
9909	52.691665	52.69071301	52.69447922	0.000951989
9910	52.687275	52.69086392	52.69443525	0.003588923
9911	52.687275	52.69061836	52.69432509	0.003343362
9912	52.668273	52.69039887	52.69421827	0.022125873
9913	52.668273	52.6871241	52.69383103	0.018851102
9914	52.680241	52.68643388	52.69345518	0.006192883
9915	52.680241	52.68659673	52.69326367	0.006355725
9916	52.676254	52.68580244	52.69307763	0.009548439
9917	52.676254	52.68498524	52.6746564	0.008731241
9918	52.694427	52.68316995	52.67492267	0.01125705
9919	52.694427	52.68449131	52.68273712	0.009935691
9920	52.687546	52.68553911	52.68338656	0.002006893
9921	52.687546	52.68579763	52.68360547	0.00174837
9922	52.676784	52.68587964	52.6838025	0.009095637
9923	52.676784	52.68488061	52.68346829	0.008096613
9924	52.682803	52.68366477	52.68316445	0.000861772
9925	52.682803	52.68357215	52.68314874	0.000769147
9926	52.688716	52.68445794	52.68313433	0.004258063
9927	52.688716	52.68488325	52.6833576	0.003832746
9928	52.69066	52.68423426	52.68356369	0.006425736
9929	52.69066	52.6848642	52.68382652	0.005795802
9930	52.68469	52.68547832	52.68407057	0.000788323
9931	52.68469	52.68498246	52.68409193	0.00029246
9932	52.691026	52.68503699	52.68650516	0.005989009
9933	52.691026	52.68526804	52.68662108	0.005757964
9934	52.681502	52.68576235	52.6867312	0.004260352
9935	52.681502	52.68582617	52.68660366	0.004324165
9936	52.685835	52.68537257	52.68648219	0.000462431
9937	52.685835	52.68582825	52.68646714	6.75E-06
9938	52.689804	52.68584216	52.68645277	0.003961839
9939	52.689804	52.6858973	52.68652724	0.003906699
9940	52.68106	52.68625909	52.68659848	0.00519909
9941	52.68106	52.68582921	52.68648064	0.004769209
9942	52.684563	52.68563607	52.68636771	0.001073068
9943	52.684563	52.68582464	52.68633088	0.001261636
9944	52.683965	52.68559719	52.68629552	0.001632187
9945	52.683965	52.68549043	52.68624982	0.001525431
9946	52.676719	52.68544322	52.68620588	0.008724217
9947	52.676719	52.68475132	52.68602689	0.008032319
9948	52.69153	52.68379527	52.68585452	0.007734734
9949	52.69153	52.68455417	52.68595771	0.006975835
9950	52.67587	52.6852168	52.68605721	0.009346795

9951	52.67587	52.68369116	52.68587849	0.007821158
9952	52.700194	52.68342972	52.68570593	0.016764282
9953	52.700194	52.68769416	52.68595149	0.012499844
9954	52.67978	52.68856995	52.68618887	0.008789949
9955	52.67978	52.68596075	52.6860838	0.006180747
9956	52.690057	52.68726468	52.68598213	0.00279232
9957	52.690057	52.68623491	52.68604681	0.003822087
9958	52.682012	52.68650551	52.68610947	0.004493509
9959	52.682012	52.68520041	52.68604643	0.003188409
9960	52.680522	52.68508596	52.6859853	0.004563962
9961	52.680522	52.68487196	52.68590376	0.004349958
9962	52.686861	52.68500129	52.68582462	0.001859707
9963	52.686861	52.68481716	52.68583964	0.002043838
9964	52.687997	52.68495988	52.68585423	0.003037122
9965	52.687997	52.68507785	52.68588441	0.002919147
9966	52.695859	52.68691952	52.68591375	0.008939479
9967	52.695859	52.6881805	52.68604999	0.007678498
9968	52.694912	52.68730529	52.68502706	0.007606708
9969	52.694912	52.68812536	52.6974036	0.006786642
9970	52.684735	52.68658128	52.68502706	0.001846279
9971	52.684735	52.68673216	52.68502305	0.001997163
9972	52.687891	52.68881399	52.69698833	0.000922989
9973	52.687891	52.68728221	52.68429112	0.00060879
9974	52.675013	52.68643608	52.68434567	0.011423076
9975	52.675013	52.68565378	52.68420637	0.010640782
9976	52.684065	52.68819526	52.69698833	0.004130261
9977	52.684065	52.68736128	52.69289918	0.003296284
9978	52.694593	52.68725496	52.692163	0.007338044
9979	52.694593	52.68805025	52.69234992	0.00654275
9980	52.692552	52.68902662	52.69251014	0.003525385
9981	52.692552	52.68916454	52.69251293	0.003387463
9982	52.683995	52.68624787	52.68376475	0.002252874
9983	52.683995	52.68615756	52.68376829	0.002162562
9984	52.681776	52.6887796	52.69251538	0.007003604
9985	52.681776	52.68820818	52.69188365	0.006432184
9986	52.680128	52.68589937	52.68377173	0.005771375
9987	52.680128	52.68566546	52.68371734	0.005537462
9988	52.681476	52.68772297	52.69132211	0.006246968
9989	52.681476	52.68680201	52.69080389	0.005326008
9990	52.678013	52.68662238	52.68910067	0.00860938
9991	52.678013	52.68605501	52.688743	0.008042005
9992	52.677139	52.68565267	52.6854025	0.008513665
9993	52.677139	52.68486108	52.68530965	0.007722079
9994	52.67823	52.68465765	52.68521887	0.006427655
9995	52.67823	52.68417686	52.68514207	0.005946863
9996	52.693213	52.68325766	52.68506693	0.009955339
9997	52.693213	52.68452159	52.68515453	0.008691408
9998	52.688456	52.68589235	52.68524026	0.002563652
9999	52.688456	52.68587847	52.68527411	0.002577525
10000	52.68364	52.68582556	52.68530725	0.002185564
10001	52.68364	52.68596844	52.68529006	0.002328438
10002	52.686553	52.68582656	52.68527322	0.000726441
10003	52.686553	52.68582568	52.68528615	0.000727317
10004	52.680186	52.68589889	52.68529882	0.005712885
10005	52.680186	52.68550654	52.6852482	0.005320539
10006	52.684866	52.68534632	52.68519857	0.000480321
10007	52.684866	52.68524052	52.68519534	0.00037452
10008	52.68483	52.68523026	52.68519217	0.000400265
10009	52.68483	52.68514781	52.68518872	0.000317811
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10012	52.684072	52.6852136	52.6851765	0.001141598
10013	52.684072	52.68503475	52.68516637	0.000962747
10014	52.694096	52.68500583	52.68515642	0.009090169
10015	52.694096	52.68553173	52.68523695	0.008564273
10016	52.673409	52.685667	52.68531605	0.012258001
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10018	52.687719	52.68352651	52.68510716	0.004192485
10019	52.687719	52.68414148	52.68512987	0.003577523
10020	52.672185	52.68433829	52.68515219	0.012153295
10021	52.672185	52.68351807	52.68504136	0.011333068
10022	52.680862	52.68248587	52.68493241	0.001623871

10023	52.680862	52.68267374	52.6848982	0.00181174
10024	52.671037	52.68262895	52.68486457	0.01159195
10025	52.671037	52.68111043	52.68475029	0.010073432
10026	52.680664	52.67975308	52.67469467	0.000910915
10027	52.680664	52.67971867	52.67737164	0.00094533
10028	52.673281	52.68033203	52.677646	0.007051031
10029	52.673281	52.67965985	52.67731023	0.006378847
10030	52.67726	52.68033011	52.67702243	0.003070109
10031	52.67726	52.68015601	52.67703827	0.002896009
10032	52.680505	52.67978652	52.67705213	0.000718476
10033	52.680505	52.67991194	52.67725524	0.000593065
10034	52.678191	52.67985524	52.67743578	0.001664239
10035	52.678191	52.67977863	52.67747553	0.001587634
10036	52.670869	52.67945874	52.6775113	0.008589742
10037	52.670869	52.67846545	52.677195	0.007596449
10038	52.676418	52.67790148	52.67690745	0.001483485
10039	52.676418	52.67762562	52.67688617	0.001207624
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10041	52.683842	52.67793358	52.67714568	0.005908421
10042	52.684905	52.67861395	52.67740323	0.006291052
10043	52.684905	52.67889284	52.67768107	0.006012164
10044	52.670713	52.6791417	52.67793907	0.008428697
10045	52.670713	52.67888708	52.6776899	0.008174076
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10049	52.676048	52.67830135	52.67644759	0.002253352
10050	52.672099	52.6781922	52.67643427	0.006093205
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10052	52.68355	52.67733257	52.67616331	0.006217434
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10056	52.674818	52.67876588	52.6824125	0.003947877
10057	52.674818	52.67843065	52.67684859	0.003612648
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10060	52.669714	52.67767951	52.67660805	0.007965513
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10062	52.671807	52.67705313	52.67627976	0.005246133
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10064	52.663422	52.67622285	52.67607645	0.012800851
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10072	52.68313	52.67571847	52.67339662	0.007411527
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10092	52.686464	52.68056821	52.688065	0.005895788
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10104	52.686626	52.67765995	52.68043443	0.008966052
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10120	52.680324	52.67722727	52.68171685	0.003096733
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10128	52.689494	52.67797324	52.68159592	0.011520758
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10144	52.697614	52.68272026	52.68261738	0.014893742
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10148	52.689983	52.6848433	52.68312265	0.005139703
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10158	52.692353	52.68553008	52.68396586	0.006822923
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10160	52.698127	52.68722591	52.69341833	0.010901088
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10164	52.705093	52.69122488	52.69821133	0.013868123
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10166	52.710327	52.69355866	52.6925792	0.01676834

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10168	52.699616	52.6986226	52.70771	0.000993404
10169	52.699616	52.69908754	52.7060912	0.000528462
10170	52.694662	52.69669747	52.705012	0.002035473
10171	52.694662	52.69708375	52.70170673	0.002421745
10172	52.705344	52.69849718	52.70111967	0.006846816
10173	52.705344	52.69934203	52.70144462	0.006001971
10174	52.714092	52.69979046	52.70172314	0.014301537
10175	52.714092	52.70177654	52.704016	0.012315463
10176	52.72243	52.70359465	52.70485567	0.018835345
10177	52.72243	52.70650355	52.71687133	0.015926446
10178	52.704069	52.7100932	52.718261	0.006024196
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10181	52.713661	52.7088642	52.71172567	0.004796797
10182	52.712162	52.70929936	52.7119192	0.002862636
10183	52.712162	52.71029177	52.71194127	0.001870233
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10185	52.720976	52.70901219	52.71024021	0.011963812
10186	52.718874	52.71244635	52.709964	0.006427647
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10188	52.726291	52.71395827	52.7121915	0.012332728
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10192	52.716455	52.72215771	52.72987	0.005702708
10193	52.716455	52.72148467	52.719231	0.005029667
10194	52.720145	52.72169853	52.723209	0.001553529
10195	52.720145	52.72145074	52.72293045	0.001305745
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10198	52.7365	52.72011773	52.72191629	0.016382268
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10202	52.715089	52.72305631	52.72191629	0.007967313
10203	52.715089	52.72117832	52.72146113	0.006089318
10204	52.754429	52.72585254	52.734848	0.028576457
10205	52.754429	52.73178968	52.7387642	0.022639319
10206	52.737184	52.73073913	52.754429	0.006444865
10207	52.737184	52.73361023	52.73452533	0.003573769
10208	52.749168	52.73644553	52.73519	0.012722466
10209	52.749168	52.73998671	52.75267533	0.00918129
10210	52.732994	52.74171726	52.7517985	0.008723256
10211	52.732994	52.73998778	52.7347508	0.006993777
10212	52.732034	52.7387915	52.734458	0.006757505
10213	52.732034	52.73766756	52.73411171	0.005633561
10214	52.729136	52.72979889	52.72277811	0.000662893
10215	52.729136	52.72952354	52.72311274	0.000387537
10216	52.742557	52.73505776	52.733852	0.007499237
10217	52.742557	52.73661942	52.73481922	0.005937581
10218	52.731869	52.73716201	52.735593	0.005293015
10219	52.731869	52.73679655	52.73525445	0.004927551
10220	52.750157	52.73936221	52.7517985	0.010794786
10221	52.750157	52.74036936	52.7514702	0.009787637
10222	52.743689	52.74122171	52.75125133	0.002467285
10223	52.743689	52.74210738	52.750171	0.001581617
10224	52.753004	52.73840796	52.73497233	0.01459604
10225	52.753004	52.74163089	52.74976556	0.011373112
10226	52.748964	52.74371273	52.7500894	0.00525127
10227	52.748964	52.74470595	52.74998709	0.004258051
10228	52.758965	52.744943	52.74990183	0.014022003
10229	52.758965	52.74632185	52.750599	0.012643145
10230	52.75801	52.74771381	52.75119657	0.010296195
10231	52.75801	52.74878003	52.7516508	0.009229974
10232	52.767325	52.74955367	52.75713467	0.017771335
10233	52.767325	52.75111516	52.75859043	0.016209841
10234	52.761067	52.75236255	52.76143333	0.00870445
10235	52.761067	52.7540666	52.761381	0.007000395
10236	52.767993	52.75327347	52.74990183	0.014719534
10237	52.767993	52.7550945	52.76208078	0.012898499
10238	52.765107	52.75694928	52.762672	0.008157717

10239	52.765107	52.75816051	52.76289336	0.006946488
10240	52.773657	52.75897926	52.76307783	0.014677735
10241	52.773657	52.76052313	52.76389162	0.013133874
10242	52.772072	52.76241796	52.76458914	0.009654038
10243	52.772072	52.76350387	52.76748818	0.008568135
10244	52.7701	52.76501723	52.76787017	0.005082766
10245	52.7701	52.76598265	52.76804169	0.00411735
10246	52.764055	52.76651543	52.76818871	0.002460429
10247	52.764055	52.76644378	52.76791313	0.002388777
10248	52.787416	52.76595417	52.767672	0.02146183
10249	52.787416	52.7704585	52.76883341	0.0169575
10250	52.789823	52.77424175	52.76986578	0.015581248
10251	52.789823	52.77831383	52.77091616	0.011509171
10252	52.793756	52.78085831	52.7718615	0.012897692
10253	52.793756	52.78536556	52.7729041	0.008390441
10254	52.790445	52.78632375	52.79033167	0.004121253
10255	52.790445	52.7865115	52.79034786	0.003933497
10256	52.782238	52.78694532	52.79036	0.004707322
10257	52.782238	52.78669454	52.78945756	0.004456543
10258	52.794135	52.78638894	52.7887356	0.007746061
10259	52.794135	52.78705504	52.78922645	0.007079957
10260	52.811234	52.78800944	52.7896355	0.023224561
10261	52.811234	52.7893889	52.79129692	0.021845105
10262	52.8091	52.79242009	52.792721	0.016679905
10263	52.8091	52.79362079	52.79381293	0.015479214
10264	52.801721	52.79942055	52.810167	0.002300452
10265	52.801721	52.79993567	52.8084778	0.001785327
10266	52.800212	52.79701684	52.80735167	0.003195158
10267	52.800212	52.79726877	52.80633171	0.002943225
10268	52.801854	52.79861814	52.80556675	0.003235862
10269	52.801854	52.79900596	52.80515422	0.002848043
10270	52.808668	52.79791185	52.8048242	0.010756153
10271	52.808668	52.79970222	52.80517364	0.00896578
10272	52.812556	52.80322461	52.80546483	0.009331386
10273	52.812556	52.80494148	52.80601031	0.007614521
10274	52.812487	52.80530889	52.80647786	0.007178115
10275	52.812487	52.80598369	52.80687847	0.006503307
10276	52.815056	52.80270877	52.807229	0.012347225
10277	52.815056	52.80582797	52.80768941	0.009228029
10278	52.815137	52.80744397	52.80809867	0.007693035
10279	52.815137	52.8081283	52.80846911	0.007008699
10280	52.810023	52.8032134	52.8088025	0.0068096
10281	52.810023	52.8050799	52.80886062	0.004943102
10282	52.825512	52.80894201	52.80891345	0.016569985
10283	52.825512	52.81197712	52.80963513	0.013534881
10284	52.829486	52.81378183	52.8151285	0.015704173
10285	52.829486	52.81596819	52.82683667	0.013517808
10286	52.833672	52.81817529	52.827499	0.015496712
10287	52.833672	52.81978715	52.83088133	0.013884849
10288	52.828324	52.81570829	52.833672	0.012615713
10289	52.828324	52.81865122	52.82644933	0.009672779
10290	52.834173	52.82612364	52.831579	0.008049358
10291	52.834173	52.8269057	52.8320978	0.007267297
10292	52.840514	52.82817237	52.83244367	0.012341631
10293	52.840514	52.83014546	52.83359657	0.010368543
10294	52.830069	52.82298334	52.840514	0.007085658
10295	52.830069	52.82850621	52.8275482	0.001562786
10296	52.848347	52.83117908	52.82796833	0.017167924
10297	52.848347	52.83314182	52.848347	0.015205179
10298	52.837516	52.8344492	52.848347	0.0030668
10299	52.837516	52.83533754	52.84473667	0.00217846
10300	52.848185	52.83574898	52.8429315	0.012436015
10301	52.848185	52.83703934	52.8439822	0.011145658
10302	52.849607	52.83785288	52.84468267	0.011754115
10303	52.849607	52.83879822	52.84538614	0.010808779
10304	52.847058	52.83750972	52.84591375	0.009548283
10305	52.847058	52.8387775	52.84604089	0.008280501
10306	52.851745	52.83943634	52.8461426	0.012308655
10307	52.851745	52.841278	52.84665191	0.010466999
10308	52.86249	52.84364271	52.84707633	0.018847291
10309	52.86249	52.84638268	52.848262	0.016107323
10310	52.85882	52.84796707	52.851817	0.010852928

10311	52.85882	52.84990234	52.85245364	0.008917663
10312	52.853858	52.85142581	52.860655	0.002432194
10313	52.853858	52.85213226	52.8592956	0.00172574
10314	52.87065	52.85268907	52.85838933	0.017960932
10315	52.87065	52.85503469	52.86014086	0.015615309
10316	52.859343	52.85696768	52.8614545	0.002375323
10317	52.859343	52.8578278	52.86121989	0.001515202
10318	52.873318	52.85800257	52.8610322	0.015315431
10319	52.873318	52.85998294	52.86214909	0.013335063
10320	52.891185	52.86231408	52.86307983	0.028870918
10321	52.891185	52.86671522	52.87927367	0.024469781
10322	52.889241	52.87065063	52.86307983	0.018590366
10323	52.889241	52.87720154	52.890537	0.012039464
10324	52.881453	52.88156378	52.890213	0.000110782
10325	52.881453	52.88109956	52.888461	0.000353441
10326	52.885839	52.88090372	52.887293	0.004935279
10327	52.885839	52.88185161	52.88708529	0.003987387
10328	52.879215	52.88253833	52.8869295	0.003323331
10329	52.879215	52.88243466	52.88607233	0.003219664
10330	52.887858	52.88252116	52.8853866	0.005336835
10331	52.887858	52.88338916	52.88561127	0.004468838
10332	52.894351	52.88387181	52.8857985	0.01047919
10333	52.894351	52.88537051	52.88645638	0.008980487
10334	52.897274	52.88632263	52.88702029	0.010951367
10335	52.897274	52.88872532	52.88770387	0.00854868
10336	52.897155	52.88959698	52.8958125	0.007558024
10337	52.897155	52.89112312	52.896081	0.006031876
10338	52.89983	52.89252463	52.89626	0.007305373
10339	52.89983	52.89404064	52.89677	0.005789365
10340	52.910891	52.89446	52.8971525	0.016431002
10341	52.910891	52.89692889	52.898679	0.013962107
10342	52.915103	52.89850441	52.8999002	0.016598591
10343	52.915103	52.90234945	52.90128227	0.012753548
10344	52.916902	52.90423986	52.912997	0.012662141
10345	52.916902	52.90698782	52.913778	0.009914176
10346	52.92099	52.90919297	52.91429867	0.011797031
10347	52.92099	52.91154051	52.91525457	0.009449492
10348	52.920572	52.91281789	52.9159715	0.007754108
10349	52.920572	52.91360653	52.91648267	0.006965473
10350	52.92654	52.91429772	52.9168916	0.012242285
10351	52.92654	52.91634205	52.91776873	0.010197946
10352	52.915319	52.9179587	52.91849967	0.002639701
10353	52.915319	52.91763558	52.918255	0.002316576
10354	52.92638	52.91777867	52.91804529	0.008601331
10355	52.92638	52.91931916	52.91860093	0.007060839
10356	52.930058	52.91880753	52.91908713	0.011250474
10357	52.930058	52.92146185	52.91973247	0.008596153
10358	52.918964	52.92286754	52.92330983	0.003903542
10359	52.918964	52.92245109	52.92297554	0.003487088
10360	52.931002	52.92238818	52.922689	0.008613816
10361	52.931002	52.92388682	52.9232432	0.007115184
10362	52.949154	52.92456517	52.92372813	0.024588829
10363	52.949154	52.92970094	52.949154	0.019453062
10364	52.948301	52.93559016	52.949154	0.01271084
10365	52.948301	52.93933102	52.94886967	0.008969982
10366	52.929027	52.93514749	52.92115645	0.006120492
10367	52.929027	52.93272738	52.92149865	0.00370038
10368	52.937645	52.93843616	52.9487275	0.000791158
10369	52.937645	52.93818478	52.946511	0.000539777
10370	52.938106	52.93230008	52.92181233	0.00580592
10371	52.938106	52.93417068	52.93894218	0.003935321
10372	52.932383	52.93853937	52.9388725	0.006156372
10373	52.932383	52.93772858	52.93837331	0.005345578
10374	52.930702	52.93024515	52.9201719	0.000456853
10375	52.930702	52.92966129	52.93746253	0.001040714
10376	52.94518	52.93444243	52.93704	0.010737568
10377	52.94518	52.93607596	52.93751882	0.009104038
10378	52.950308	52.93761141	52.93794444	0.012696594
10379	52.950308	52.93839617	52.93859516	0.011911834
10380	52.957615	52.93908358	52.9391808	0.018531421
10381	52.957615	52.94077317	52.94104353	0.016841827
10382	52.950394	52.94303063	52.9418721	0.007363375

10383	52.950394	52.94343047	52.9422779	0.006963535
10384	52.936908	52.94073794	52.94264682	0.003829944
10385	52.936908	52.9404114	52.9423973	0.0035034
10386	52.955043	52.94308772	52.94216858	0.011955285
10387	52.955043	52.94399302	52.94268356	0.011049976
10388	52.961034	52.94503609	52.94315892	0.015997908
10389	52.961034	52.94663091	52.94382096	0.014403085
10390	52.946865	52.94852423	52.94443571	0.001659228
10391	52.946865	52.94826346	52.94451948	0.001398457
10392	52.970242	52.94848186	52.94459767	0.02176014
10393	52.970242	52.95086769	52.94989171	0.019374312
10394	52.965387	52.95276793	52.95081673	0.012619065
10395	52.965387	52.95442614	52.95145022	0.010960857
10396	52.953177	52.9550284	52.95203092	0.001851403
10397	52.953177	52.95492525	52.95207676	0.001748245
10398	52.965357	52.95564395	52.95211908	0.009713049
10399	52.965357	52.95671019	52.95260937	0.008646812
10400	52.948712	52.9528479	52.95958643	0.004135896
10401	52.948712	52.95302123	52.94310956	0.004309229
10402	52.955341	52.95675494	52.9609175	0.001413941
10403	52.955341	52.95676432	52.96048854	0.001423315
10404	52.978819	52.95734422	52.96012086	0.021474775
10405	52.978819	52.9620222	52.9613674	0.016796799
10406	52.970396	52.96637005	52.96245812	0.004025949
10407	52.970396	52.96739622	52.96292506	0.002999785
10408	52.955688	52.96751934	52.96334011	0.011831341
10409	52.955688	52.96492733	52.96293737	0.009239334
10410	52.970818	52.9647271	52.9625749	0.006090899
10411	52.970818	52.96589555	52.96296743	0.004922448
10412	52.976513	52.96655534	52.96332427	0.009957661
10413	52.976513	52.96751487	52.96916562	0.008998135
10414	52.963873	52.96857149	52.96969043	0.004698487
10415	52.963873	52.96815605	52.9693026	0.004283047
10416	52.968776	52.96734818	52.96896325	0.001427816
10417	52.968776	52.96818729	52.96895224	0.000588707
10418	52.977164	52.96854825	52.96894244	0.008615755
10419	52.977164	52.96878435	52.96937516	0.008379646
10420	52.972332	52.96919739	52.9697646	0.003134614
10421	52.972332	52.96951687	52.96988686	0.002815131
10422	52.980467	52.96971854	52.969998	0.010748464
10423	52.980467	52.97049357	52.97045317	0.009973428
10424	52.967123	52.9715723	52.97087042	0.004449296
10425	52.967123	52.9711228	52.97072052	0.003999802
10426	52.982056	52.97167646	52.97058215	0.010379545
10427	52.982056	52.97235107	52.97100711	0.009704932
10428	52.983608	52.97289547	52.97140171	0.010712533
10429	52.983608	52.97344075	52.97323984	0.010167254
10430	52.971332	52.97201158	52.97363862	0.000679576
10431	52.971332	52.97206668	52.97355319	0.00073468
10432	52.976111	52.97412364	52.97347386	0.001987363
10433	52.976111	52.97421913	52.97356479	0.001891872
10434	52.968376	52.97427249	52.97364967	0.005896491
10435	52.968376	52.97251994	52.97347955	0.004143945
10436	52.979654	52.97414589	52.97332006	0.00550811
10437	52.979654	52.97433659	52.973512	0.005317412
10438	52.963451	52.9721521	52.97369265	0.008701096
10439	52.963451	52.9720218	52.97340003	0.008570802
10440	52.978067	52.97416144	52.97312367	0.003905563
10441	52.978067	52.97425706	52.97325727	0.003809944
10442	52.977242	52.97433934	52.97916211	0.002902662
10443	52.977242	52.97440699	52.97906105	0.00283501
10444	52.974964	52.97447495	52.9789701	0.000489048
10445	52.974964	52.97442767	52.97877933	0.000536325
10446	52.971148	52.97452469	52.97860591	0.003376693
10447	52.971148	52.97433387	52.97828165	0.003185867
10448	52.970732	52.97437714	52.97798442	0.003645145
10449	52.970732	52.97417146	52.97769432	0.003439464
10450	52.977807	52.97396388	52.97742654	0.003843123
10451	52.977807	52.97417618	52.97744063	0.003630815
10452	52.96667	52.97440152	52.97745371	0.007731524
10453	52.96667	52.97424915	52.97708186	0.007579149
10454	52.97945	52.97388455	52.9767348	0.005565449

10455	52.97945	52.97405231	52.97682239	0.005397691
10456	52.971631	52.97435939	52.9769045	0.00272839
10457	52.971631	52.97428991	52.9767447	0.00265891
10458	52.963322	52.97427242	52.97659429	0.010950418
10459	52.963322	52.97387815	52.97621509	0.010556149
10460	52.971244	52.97363327	52.97340378	0.002389271
10461	52.971244	52.97359029	52.97336451	0.002346293
10462	52.977116	52.97354971	52.97332664	0.003566293
10463	52.977116	52.97354089	52.97339312	0.003575109
10464	52.968331	52.97360522	52.97345731	0.005274225
10465	52.968331	52.97348444	52.97337042	0.005153443
10466	52.978071	52.97336433	52.97328643	0.004706672
10467	52.978071	52.97349948	52.97336487	0.004571525
10468	52.971751	52.97370009	52.97344077	0.001949093
10469	52.971751	52.97358313	52.97341395	0.001832131
10470	52.969161	52.97358355	52.97338797	0.00442255
10471	52.969161	52.97347161	52.97332294	0.004310613
10472	52.976198	52.97341517	52.97325988	0.002782827
10473	52.976198	52.97345627	52.97330373	0.002741727
10474	52.976051	52.97353455	52.97334629	0.00251645
10475	52.976051	52.9736097	52.97338549	0.002441296
10476	52.969845	52.97367105	52.97342357	0.003826046
10477	52.969845	52.97363252	52.97337317	0.003787523
10478	52.959397	52.97355997	52.97332417	0.014162965
10479	52.959397	52.97336613	52.97313338	0.013969128
10480	52.947461	52.9730651	52.97294776	0.025604103
10481	52.947461	52.97174823	52.97260793	0.024287225
10482	52.958759	52.97099275	52.97227705	0.012233755
10483	52.958759	52.97010956	52.97210149	0.011350563
10484	52.956762	52.96937187	52.97193044	0.012609875
10485	52.956762	52.9691899	52.97173843	0.012427896
10486	52.946841	52.96923365	52.97140015	0.022392648
10487	52.946841	52.96856885	52.95462211	0.021727847
10488	52.94942	52.96683574	52.9533844	0.017415739
10489	52.94942	52.9651666	52.95344182	0.015746602
10490	52.952113	52.96535955	52.95310667	0.013246553
10491	52.952113	52.96437218	52.95303023	0.012259183
10492	52.958537	52.96316071	52.95296471	0.004623712
10493	52.958537	52.96263165	52.96948341	0.004094648
10494	52.956813	52.96353943	52.96936696	0.006726429
10495	52.956813	52.96315661	52.96923481	0.00634361
10496	52.957413	52.96245823	52.96910542	0.005045235
10497	52.957413	52.962548	52.96898488	0.005134997
10498	52.953822	52.96307393	52.9688668	0.009251928
10499	52.953822	52.96179601	52.96871483	0.007974013
10500	52.94534	52.96072261	52.9685659	0.015382611
10501	52.94534	52.96018104	52.96833594	0.014841044
10502	52.946606	52.95947076	52.96811049	0.012864764
10503	52.946606	52.95730526	52.95327848	0.010699255
10504	52.941161	52.95756365	52.95302185	0.016402652
10505	52.941161	52.95623926	52.95258256	0.015078262
10506	52.938474	52.95461916	52.95217464	0.016145156
10507	52.938474	52.95343045	52.95170221	0.014956454
10508	52.93774	52.96123234	52.95126127	0.023492338
10509	52.93774	52.95905495	52.95023393	0.021314952
10510	52.940681	52.9534718	52.94981747	0.012790801
10511	52.940681	52.95084333	52.94952274	0.010162328
10512	52.934735	52.95151943	52.94924644	0.016784434
10513	52.934735	52.95032796	52.9488067	0.01559296
10514	52.935778	52.94777886	52.94839282	0.012000857
10515	52.935778	52.94698518	52.9480324	0.011207181
10516	52.928744	52.94585326	52.947692	0.017109259
10517	52.928744	52.94420326	52.94717989	0.015459258
10518	52.918248	52.94340537	52.94669474	0.025157371
10519	52.918248	52.94119347	52.94596533	0.022945467
10520	52.916522	52.95405419	52.9452724	0.037532195
10521	52.916522	52.94847245	52.93578743	0.031950446
10522	52.92346	52.93785854	52.93491173	0.014398536
10523	52.92346	52.93739958	52.93441383	0.013939577
10524	52.926765	52.93613123	52.93395742	0.009366231
10525	52.926765	52.93583104	52.93366972	0.009066043
10526	52.921721	52.93476046	52.93340415	0.013039464

10527	52.921721	52.93390101	52.93297144	0.012180006
10528	52.92997	52.93291146	52.93256964	0.002941462
10529	52.92997	52.93266817	52.93248	0.002698171
10530	52.91612	52.93262239	52.93239633	0.016502394
10531	52.91612	52.93181215	52.93187129	0.015692151
10532	52.91816	52.9313327	52.93137906	0.013172702
10533	52.91816	52.93026253	52.93097848	0.012102529
10534	52.902333	52.93904858	52.93060147	0.036715583
10535	52.902333	52.93384871	52.9297938	0.031515714
10536	52.912118	52.92714074	52.929031	0.015022738
10537	52.912118	52.9260492	52.92646491	0.013931203
10538	52.910321	52.92529975	52.9185417	0.014978751
10539	52.910321	52.92420092	52.91815024	0.013879918
10540	52.914551	52.92269763	52.91779436	0.008146632
10541	52.914551	52.92207365	52.91765335	0.007522654
10542	52.900979	52.92350626	52.91752408	0.022527255
10543	52.900979	52.92168969	52.91139885	0.020710688
10544	52.888726	52.92054055	52.91065457	0.031814554
10545	52.888726	52.91653355	52.90630273	0.027807549
10546	52.901594	52.91599213	52.904838	0.014398127
10547	52.901594	52.91537898	52.90458846	0.013784975
10548	52.894565	52.91404011	52.90437457	0.019475112
10549	52.894565	52.91164272	52.9037206	0.017077722
10550	52.906943	52.92175056	52.90314838	0.014807555
10551	52.906943	52.91598307	52.90337159	0.009040074
10552	52.89801	52.91110761	52.90357	0.013097606
10553	52.89801	52.91054437	52.90327737	0.012534373
10554	52.896049	52.90904037	52.903014	0.012991373
10555	52.896049	52.90783836	52.90268233	0.011789356
10556	52.891058	52.90605846	52.90238082	0.015000462
10557	52.891058	52.90416657	52.90188852	0.013108567
10558	52.876979	52.94316309	52.90143725	0.066184091
10559	52.876979	52.92088859	52.89604865	0.043909589
10560	52.890501	52.90668833	52.89498922	0.016187332
10561	52.890501	52.90544774	52.894753	0.014946737
10562	52.888463	52.90364498	52.8945404	0.015181978
10563	52.888463	52.90335135	52.894251	0.014888349
10564	52.872935	52.90304473	52.89398791	0.030109731
10565	52.872935	52.90167567	52.89307257	0.028740666
10566	52.863276	52.90067936	52.8922335	0.03740336
10567	52.863276	52.89576309	52.8910752	0.03248709
10568	52.872829	52.89965082	52.890006	0.026821818
10569	52.872829	52.89909046	52.88936981	0.026261456
10570	52.867189	52.89693768	52.88877907	0.029748676
10571	52.867189	52.89574033	52.88803459	0.028551325
10572	52.872457	52.89496702	52.88733973	0.022510016
10573	52.872457	52.89283665	52.88685965	0.020379651
10574	52.864815	52.93458377	52.87729856	0.069768772
10575	52.864815	52.93090266	52.87664153	0.066087655
10576	52.858776	52.89513406	52.8760502	0.036358064
10577	52.858776	52.893136	52.87522762	0.034360001
10578	52.867587	52.88486827	52.87447982	0.017281271
10579	52.867587	52.88336031	52.87418013	0.015773312
10580	52.861482	52.89380088	52.87390542	0.032318879
10581	52.861482	52.88970056	52.87340848	0.028218558
10582	52.844151	52.92384003	52.87144075	0.07968903
10583	52.844151	52.90820453	52.86562332	0.064053528
10584	52.860498	52.88624786	52.8645497	0.025749863
10585	52.860498	52.88493939	52.86435676	0.024441392
10586	52.862232	52.8839883	52.86418136	0.021756298
10587	52.862232	52.88424536	52.86409661	0.022013362
10588	52.858719	52.88289003	52.86401892	0.024171026
10589	52.858719	52.88326811	52.86380692	0.024549111
10590	52.860435	52.8818294	52.86361123	0.021394395
10591	52.860435	52.88173782	52.86349359	0.021302821
10592	52.855459	52.88167463	52.86338436	0.026215631
10593	52.855459	52.87871912	52.86311107	0.023260119
10594	52.854398	52.87519925	52.862856	0.020801255
10595	52.854398	52.87391463	52.86258316	0.019516625
10596	52.8432	52.9076499	52.86232738	0.064449895
10597	52.8432	52.89816466	52.86174776	0.054964663
10598	52.832989	52.87832629	52.86120224	0.045337286

10599	52.832989	52.87598095	52.86039614	0.042991953
10600	52.833832	52.8784636	52.85963483	0.044631602
10601	52.833832	52.87520784	52.85893746	0.041375843
10602	52.839416	52.86841717	52.85827679	0.029001169
10603	52.839416	52.86523126	52.85779318	0.025815262
10604	52.823548	52.87667301	52.85733375	0.053125012
10605	52.823548	52.86398462	52.85650971	0.040436622
10606	52.816392	52.86396003	52.8557249	0.047568032
10607	52.816392	52.85607256	52.85481019	0.03968056
10608	52.823404	52.86386904	52.85393705	0.040465043
10609	52.823404	52.85661403	52.85325853	0.033210027
10610	52.832233	52.85889438	52.82111467	0.02666138
10611	52.832233	52.85785651	52.822703	0.025623507
10612	52.835904	52.85368295	52.82389425	0.017778954
10613	52.835904	52.85507526	52.82522867	0.019171265
10614	52.818861	52.85278982	52.8262962	0.033928823
10615	52.818861	52.8534572	52.82562027	0.0345962
10616	52.831894	52.85131046	52.825057	0.019416459
10617	52.831894	52.85066295	52.82558292	0.018768952
10618	52.817742	52.85107614	52.82603371	0.033334139
10619	52.817742	52.84543443	52.82548093	0.027692428
10620	52.81375	52.84990655	52.82499725	0.036156545
10621	52.81375	52.84618303	52.82433565	0.032433033
10622	52.812452	52.84807067	52.82374756	0.035618668
10623	52.812452	52.84168363	52.82315305	0.029231626
10624	52.815259	52.84693943	52.822618	0.031680426
10625	52.815259	52.84023958	52.82226757	0.024980579
10626	52.80724	52.84154901	52.821949	0.034309006
10627	52.80724	52.8380968	52.81396067	0.030856805
10628	52.815541	52.83694491	52.8132886	0.021403911
10629	52.815541	52.83663962	52.81349336	0.02109862
10630	52.814581	52.83539146	52.813664	0.02081046
10631	52.814581	52.83408634	52.81373454	0.019505343
10632	52.802419	52.83210821	52.813795	0.02968921
10633	52.802419	52.83044949	52.8130366	0.028030485
10634	52.794594	52.85152241	52.812373	0.056928405
10635	52.794594	52.84168489	52.81132718	0.047090888
10636	52.803626	52.83306863	52.81039756	0.029442631
10637	52.803626	52.83130908	52.81004116	0.027683082
10638	52.792291	52.8340003	52.8097204	0.041709304
10639	52.792291	52.83014577	52.80889043	0.037854766
10640	52.789436	52.84898358	52.80813591	0.05954758
10641	52.789436	52.84082251	52.80633057	0.051386509
10642	52.801797	52.82973628	52.80556264	0.027939285
10643	52.801797	52.82774843	52.80539891	0.025951431
10644	52.798045	52.83944282	52.80524883	0.041397817
10645	52.798045	52.83646294	52.80496068	0.038417936
10646	52.791927	52.82691662	52.80469469	0.034989619
10647	52.791927	52.82507714	52.79708953	0.033150138
10648	52.776519	52.82371013	52.79676687	0.047191133
10649	52.776519	52.82101575	52.79557582	0.04449675
10650	52.789652	52.82161852	52.79451711	0.031966524
10651	52.789652	52.81905981	52.79426105	0.029407808
10652	52.781362	52.83223308	52.7940306	0.050871084
10653	52.781362	52.82680642	52.79342733	0.045444425
10654	52.777433	52.83076027	52.79287891	0.053327271
10655	52.777433	52.82926484	52.79220735	0.051831839
10656	52.789176	52.82495201	52.79159175	0.035776011
10657	52.789176	52.82659214	52.79149512	0.037416139
10658	52.787716	52.82083753	52.79140592	0.033121529
10659	52.787716	52.82006378	52.79126926	0.032347784
10660	52.780269	52.82944388	52.79114236	0.049174882
10661	52.780269	52.81965413	52.79076741	0.039385129
10662	52.771624	52.81893229	52.79041747	0.047308289
10663	52.771624	52.81745407	52.78981123	0.045830074
10664	52.774584	52.82000533	52.78924288	0.045421327
10665	52.774584	52.81896109	52.78879867	0.044377088
10666	52.779016	52.8217309	52.78838059	0.042714901
10667	52.779016	52.81698969	52.78560959	0.037973686
10668	52.757877	52.82045154	52.7853898	0.062574543
10669	52.757877	52.81667746	52.78071448	0.058800463
10670	52.778561	52.81750466	52.77976292	0.038943662

10671	52.778561	52.80824281	52.77971484	0.029681808
10672	52.78093	52.85537363	52.77967046	0.07444363
10673	52.78093	52.8228218	52.77971711	0.041891801
10674	52.776215	52.81581744	52.77976043	0.039602442
10675	52.776215	52.81437025	52.77963817	0.038155246
10676	52.777318	52.81559613	52.77952407	0.038278126
10677	52.777318	52.81478558	52.7794529	0.037467582
10678	52.766497	52.81256756	52.77938619	0.046070557
10679	52.766497	52.80452355	52.77816132	0.038026548
10680	52.765662	52.80301205	52.77779681	0.037350046
10681	52.765662	52.80139785	52.77742909	0.035735854
10682	52.767829	52.8074781	52.777083	0.039649099
10683	52.767829	52.80840171	52.7768186	0.040572712
10684	52.758195	52.7997508	52.77656889	0.041555802
10685	52.758195	52.79570706	52.7760723	0.037512064
10686	52.76363	52.80432303	52.77560184	0.040693026
10687	52.76363	52.80206637	52.77158459	0.038436372
10688	52.766741	52.81472471	52.7713005	0.047983707
10689	52.766741	52.80935428	52.77114328	0.042613277
10690	52.763225	52.8412356	52.77099653	0.078010604
10691	52.763225	52.83175571	52.77074584	0.068530708
10692	52.77314	52.80675085	52.77051081	0.033610849
10693	52.77314	52.80497513	52.77059048	0.031835133
10694	52.765784	52.81214977	52.77066547	0.046365768
10695	52.765784	52.81111633	52.770526	0.045332326
10696	52.769354	52.81364077	52.77039428	0.04428677
10697	52.769354	52.80673143	52.77036616	0.037377426
10698	52.768556	52.79696795	52.77033953	0.028411953
10699	52.768556	52.79213151	52.77029379	0.02357551
10700	52.792366	52.81201214	52.77025035	0.019646138
10701	52.792366	52.80918384	52.77078976	0.016817839
10702	52.77526	52.8023453	52.77130348	0.027085296
10703	52.77526	52.80217763	52.77139549	0.026917628
10704	52.758765	52.81566893	52.77148332	0.05690393
10705	52.758765	52.81838957	52.77120069	0.059624573
10706	52.774427	52.80198284	52.77093035	0.027555839
10707	52.774427	52.80238618	52.77100474	0.027959177
10708	52.792741	52.80073405	52.77107604	0.00799305
10709	52.792741	52.80151409	52.77151818	0.008773087
10710	52.77482	52.7946894	52.77194264	0.019869399
10711	52.77482	52.79285145	52.77199906	0.018031452
10712	52.788681	52.79990717	52.77205331	0.011226171
10713	52.788681	52.79790944	52.77236704	0.009228436
10714	52.783515	52.79538767	52.77266915	0.011872669
10715	52.783515	52.79548403	52.77286635	0.011969033
10716	52.786948	52.79695422	52.7730565	0.010006216
10717	52.786948	52.79531009	52.77330021	0.008362093
10718	52.797678	52.80075924	52.77353552	0.003081239
10719	52.797678	52.80169907	52.77558386	0.004021075
10720	52.794527	52.79624166	52.77589072	0.001714658
10721	52.794527	52.79543293	52.77614601	0.000905931
10722	52.786216	52.79456609	52.77639441	0.008350089
10723	52.786216	52.79710705	52.77652536	0.010891053
10724	52.811603	52.80264559	52.77665287	0.008957406
10725	52.811603	52.80133453	52.77710677	0.010268466
10726	52.817228	52.80349794	52.77754903	0.013730063
10727	52.817228	52.80365807	52.77805129	0.013569933
10728	52.815206	52.80368037	52.8144155	0.011525632
10729	52.815206	52.80444346	52.8145736	0.010762541
10730	52.825394	52.80638659	52.814679	0.01900741
10731	52.825394	52.80785286	52.81620971	0.017541141
10732	52.832783	52.7981516	52.81735775	0.034631396
10733	52.832783	52.79922217	52.81907167	0.033560831
10734	52.815089	52.80247389	52.8204428	0.012615106
10735	52.815089	52.79973364	52.81995609	0.01535536
10736	52.830485	52.80157486	52.8195505	0.028910138
10737	52.830485	52.80408361	52.82039162	0.026401394
10738	52.827285	52.80749234	52.82111257	0.019792664
10739	52.827285	52.80794129	52.82152407	0.019343712
10740	52.838711	52.80901767	52.82188412	0.029693333
10741	52.838711	52.80993538	52.82287394	0.028775618
10742	52.834674	52.79916277	52.82375378	0.035511232

10743	52.834674	52.80410165	52.82432853	0.030572348
10744	52.844653	52.8076237	52.8248458	0.037029304
10745	52.844653	52.80952276	52.825789	0.03513024
10746	52.843177	52.80987968	52.82664645	0.033297321
10747	52.843177	52.8124047	52.82736517	0.030772303
10748	52.85722	52.81332747	52.828024	0.043892533
10749	52.85722	52.81416433	52.82919184	0.04305567
10750	52.853682	52.80942449	52.83026985	0.044257515
10751	52.853682	52.80843252	52.83113696	0.045249476
10752	52.87098	52.81323185	52.83194214	0.057748146
10753	52.87098	52.8158825	52.83328828	0.055097504
10754	52.874076	52.82362507	52.83454467	0.050450928
10755	52.874076	52.82628153	52.83581987	0.047794467
10756	52.882563	52.81343201	52.83701538	0.069130986
10757	52.882563	52.82022706	52.84012416	0.062335944
10758	52.89611	52.83313582	52.84145037	0.062974184
10759	52.89611	52.83256097	52.84310673	0.063549027
10760	52.887441	52.81810809	52.88093225	0.069332909
10761	52.887441	52.81960554	52.88165544	0.067835458
10762	52.891625	52.83615754	52.882234	0.055467455
10763	52.891625	52.83896535	52.88308773	0.052659654
10764	52.905506	52.83848252	52.88379917	0.067023477
10765	52.905506	52.83800368	52.88546892	0.06750232
10766	52.911039	52.8440847	52.88690014	0.066954303
10767	52.911039	52.85813036	52.89432082	0.052908644
10768	52.911019	52.84213978	52.895714	0.068879217
10769	52.911019	52.84367698	52.89689131	0.067342024
10770	52.922283	52.85377466	52.89790043	0.068508339
10771	52.922283	52.86112574	52.90213562	0.061157264
10772	52.928102	52.86159588	52.90357471	0.066506121
10773	52.928102	52.86488082	52.90520987	0.063221182
10774	52.924854	52.86637538	52.90664063	0.058478622
10775	52.924854	52.87051546	52.916432	0.054338543
10776	52.928547	52.85589032	52.91713383	0.072656681
10777	52.928547	52.86077916	52.91801177	0.067767838
10778	52.958047	52.88144042	52.91876429	0.076606576
10779	52.958047	52.89865007	52.92138313	0.059396934
10780	52.948313	52.91257184	52.92367462	0.035741165
10781	52.948313	52.92020334	52.92773967	0.028109658
10782	52.964848	52.92360666	52.9290255	0.041241344
10783	52.964848	52.92826156	52.93731846	0.036586442
10784	52.957316	52.87895958	52.93928486	0.07835642
10785	52.957316	52.88559569	52.94048693	0.071720311
10786	52.964175	52.88689313	52.94153875	0.077281874
10787	52.964175	52.89325932	52.94287029	0.070915684
10788	52.96906	52.92882472	52.94405389	0.040235282
10789	52.96906	52.93302677	52.94537	0.036033229
10790	52.981126	52.93996545	52.9465545	0.041160554
10791	52.981126	52.94289956	52.96189569	0.038226435
10792	52.993369	52.94597835	52.96326929	0.047390647
10793	52.993369	52.95280056	52.96527593	0.040568442
10794	52.985424	52.95685157	52.96703175	0.028572425
10795	52.985424	52.95886793	52.96811365	0.026556073
10796	52.992473	52.96301424	52.96907533	0.029458758
10797	52.992473	52.96537159	52.97030679	0.027101414
10798	53.008932	52.96635883	52.9714151	0.042573165
10799	53.008932	52.97115527	52.97320162	0.037776732
10800	53.009319	52.9736214	52.97482573	0.035697604
10801	53.009319	52.9773201	52.97632543	0.031998902
10802	53.009233	52.98351771	52.97770017	0.025715288
10803	53.009233	52.98674184	52.97896148	0.022491156
10804	53.019446	52.98914023	52.98012577	0.030305772
10805	53.019446	52.99387258	52.98158207	0.025573423
10806	53.023667	52.99536052	52.98293436	0.028306483
10807	53.023667	52.99771806	52.98433893	0.025948943
10808	53.022281	53.00066462	52.98564987	0.021616378
10809	53.022281	53.00289135	52.98683152	0.019389648
10810	53.04249	53.00279525	52.98793931	0.039694746
10811	53.04249	53.00811347	52.99461476	0.034376533
10812	53.049326	53.01122896	52.9962106	0.038097036
10813	53.049326	53.02098215	53.00651864	0.028343845
10814	53.058478	53.02598919	53.00816508	0.032488806

10815	53.058478	53.03223807	53.013306	0.026239928
10816	53.04063	53.02745823	53.01504338	0.013171769
10817	53.04063	53.03543779	53.01599104	0.005192206
10818	53.052321	53.02481957	53.016871	0.02750143
10819	53.052321	53.02670892	53.01809341	0.025612082
10820	53.058081	53.04004751	53.01923433	0.018033485
10821	53.058081	53.04281765	53.02048745	0.015263354
10822	53.055277	53.04357686	53.02436467	0.01170014
10823	53.055277	53.04510367	53.02536184	0.010173327
10824	53.071308	53.04724205	53.05094329	0.024065949
10825	53.071308	53.0496362	53.05230093	0.021671795
10826	53.073877	53.05164742	53.05348888	0.022229581
10827	53.073877	53.05519908	53.05468818	0.018677915
10828	53.072912	53.05736244	53.05575422	0.015549564
10829	53.072912	53.06353128	53.05665726	0.00938072
10830	53.081836	53.06444944	53.05747	0.017386564
10831	53.081836	53.06721455	53.05863029	0.014621446
10832	53.087933	53.06909699	53.06513688	0.018836012
10833	53.087933	53.07240426	53.06647782	0.015528739
10834	53.094119	53.07520369	53.07206071	0.018915309
10835	53.094119	53.0778432	53.07353127	0.016275804
10836	53.096191	53.07972568	53.08033083	0.016465321
10837	53.096191	53.08023984	53.08155085	0.015951156
10838	53.100674	53.08258311	53.08259657	0.018090891
10839	53.100674	53.08497114	53.08380173	0.015702859
10840	53.098348	53.08675671	53.08485625	0.011591295
10841	53.098348	53.08785529	53.08564988	0.01049271
10842	53.117734	53.08804457	53.08635533	0.029689425
10843	53.117734	53.09196108	53.095072	0.025772921
10844	53.103984	53.09352929	53.09669071	0.010454708
10845	53.103984	53.09538831	53.09717693	0.008595685
10846	53.104844	53.09560195	53.09760237	0.009242052
10847	53.104844	53.09657935	53.09802835	0.008264654
10848	53.116934	53.10042915	53.098407	0.016504852
10849	53.116934	53.10269586	53.09938211	0.014238142
10850	53.138722	53.10409671	53.1002597	0.034625288
10851	53.138722	53.11004143	53.10209124	0.028680574
10852	53.127571	53.11547953	53.10795	0.012091467
10853	53.127571	53.11677105	53.12490729	0.01079995
10854	53.143224	53.11825334	53.12524025	0.024970657
10855	53.143224	53.12100487	53.12723844	0.022219135
10856	53.141228	53.12496214	53.128837	0.016265864
10857	53.141228	53.12694164	53.12996345	0.014286356
10858	53.138912	53.13099986	53.13090217	0.007912143
10859	53.138912	53.13164029	53.13151831	0.007271714
10860	53.156569	53.13258453	53.13204643	0.023984473
10861	53.156569	53.13560331	53.13368127	0.020965687
10862	53.161798	53.13934341	53.13511175	0.022454586
10863	53.161798	53.14286281	53.13668153	0.018935191
10864	53.170822	53.14658366	53.13807689	0.024238335
10865	53.170822	53.1515838	53.13980032	0.0192382
10866	53.157273	53.14923188	53.14735575	0.008041117
10867	53.157273	53.15129427	53.16223586	0.00597873
10868	53.170476	53.15495257	53.1616155	0.015523429
10869	53.170476	53.15724192	53.1626	0.01323408
10870	53.170251	53.15341824	53.1633876	0.016832757
10871	53.170251	53.15504633	53.16401155	0.015204666
10872	53.189393	53.16076663	53.1645315	0.028626368
10873	53.189393	53.1648878	53.16644392	0.0245052
10874	53.165149	53.16006386	53.16808314	0.005085137
10875	53.165149	53.16051386	53.16788753	0.004635139
10876	53.180548	53.17036739	53.16771638	0.010180607
10877	53.180548	53.17110764	53.16847118	0.009440357
10878	53.19158	53.17004154	53.16914211	0.021538464
10879	53.19158	53.17568734	53.17194118	0.015892662
10880	53.205053	53.16681772	53.16461971	0.038235277
10881	53.205053	53.17702564	53.18426589	0.028027356
10882	53.219245	53.18597665	53.1983165	0.033268345
10883	53.219245	53.19148546	53.2025022	0.027759545
10884	53.216254	53.19905674	53.20529267	0.017197261
10885	53.216254	53.20255783	53.20685857	0.013696167
10886	53.219109	53.20483723	53.2177495	0.014271766

10887	53.219109	53.20918178	53.2180214	0.009927218
10888	53.220607	53.21140544	53.21820267	0.009201563
10889	53.220607	53.21275588	53.21854614	0.007851118
10890	53.229573	53.21380313	53.21880375	0.015769867
10891	53.229573	53.2163573	53.22000033	0.013215702
10892	53.238893	53.21779656	53.2209576	0.021096436
10893	53.238893	53.22067936	53.23267967	0.01821364
10894	53.236545	53.22352222	53.234233	0.013022779
10895	53.236545	53.22690175	53.2346954	0.009643249
10896	53.239857	53.22629864	53.23500367	0.01355836
10897	53.239857	53.2328891	53.235697	0.006967902
10898	53.251787	53.2356927	53.23843167	0.016094297
10899	53.251787	53.23851103	53.251787	0.01327597
10900	53.249193	53.24069249	53.251787	0.008500514
10901	53.249193	53.241647	53.25092233	0.007546001
10902	53.262474	53.24219602	53.25049	0.020277985
10903	53.262474	53.24540268	53.2528868	0.017071323
10904	53.265475	53.24614436	53.25448467	0.019330645
10905	53.265475	53.25063735	53.25605471	0.014837648
10906	53.266718	53.25477032	53.2639745	0.011947679
10907	53.266718	53.25753194	53.2645232	0.009186057
10908	53.277478	53.25907346	53.264889	0.018404539
10909	53.277478	53.26077435	53.26668743	0.016703654
10910	53.276853	53.26403092	53.26803625	0.012822076
10911	53.276853	53.26536815	53.26901589	0.011484849
10912	53.299954	53.2679628	53.2697996	0.031991203
10913	53.299954	53.27195571	53.2817232	0.027998288
10914	53.275491	53.27663087	53.28476167	0.001139869
10915	53.275491	53.27710423	53.28343729	0.00161323
10916	53.285844	53.2774301	53.282444	0.008413895
10917	53.285844	53.27874701	53.28282178	0.007096992
10918	53.304461	53.27988565	53.283124	0.024575347
10919	53.304461	53.28775956	53.289577	0.01670144
10920	53.29464	53.2855183	53.2914375	0.009121701
10921	53.29464	53.28850825	53.29179333	0.006131749
10922	53.306443	53.29313838	53.292078	0.013304621
10923	53.306443	53.2955485	53.300929	0.010894498
10924	53.308432	53.29746562	53.301848	0.01096638
10925	53.308432	53.29926131	53.30278857	0.009170694
10926	53.309009	53.30196597	53.303494	0.007043031
10927	53.309009	53.30324634	53.30681157	0.00576266
10928	53.321297	53.30448669	53.30708625	0.016810312
10929	53.321297	53.30602031	53.30866522	0.015276688
10930	53.308688	53.30882703	53.3099284	0.00013903
10931	53.308688	53.30951891	53.30981564	0.000830906
10932	53.32608	53.31007167	53.3149925	0.016008332
10933	53.32608	53.31269833	53.31721	0.013381673
10934	53.335066	53.31490391	53.308688	0.020162093
10935	53.335066	53.32098115	53.335066	0.014084851
10936	53.347053	53.32216623	53.32608	0.024886768
10937	53.347053	53.32804931	53.347053	0.019003689
10938	53.349606	53.3328432	53.347053	0.016762797
10939	53.349606	53.33603424	53.347904	0.013571756
10940	53.333983	53.34021518	53.3483295	0.006232179
10941	53.333983	53.34001464	53.3454602	0.006031643
10942	53.344467	53.33960679	53.34354733	0.004860215
10943	53.344467	53.3396161	53.34367871	0.004850902
10944	53.336913	53.34027682	53.34377725	0.003363817
10945	53.336913	53.34039895	53.3387626	0.003485952
10946	53.341883	53.3406528	53.3483295	0.001230196
10947	53.341883	53.34063004	53.33894414	0.001252955
10948	53.359164	53.34036361	53.3393115	0.018800392
10949	53.359164	53.34730318	53.359164	0.011860817
10950	53.356715	53.34821901	53.3423175	0.008495989
10951	53.356715	53.35459257	53.356715	0.002122429
10952	53.374929	53.35589745	53.359164	0.019031547
10953	53.374929	53.36047916	53.374929	0.014449837
10954	53.355731	53.3621582	53.3579395	0.006427197
10955	53.355731	53.36187581	53.3574978	0.00614481
10956	53.358236	53.36190779	53.374929	0.003671787
10957	53.358236	53.36117921	53.35735086	0.002943205
10958	53.375989	53.36098096	53.374929	0.015008039

10959	53.375989	53.36418813	53.37528233	0.011800866
10960	53.36588	53.36705638	53.375459	0.001176376
10961	53.36588	53.36686303	53.3735432	0.000983029
10962	53.366215	53.36756624	53.372266	0.001351237
10963	53.366215	53.36787701	53.37140157	0.001662015
10964	53.389687	53.36805799	53.37075325	0.021629013
10965	53.389687	53.37533381	53.372857	0.01435319
10966	53.360822	53.37059358	53.3574615	0.009771581
10967	53.360822	53.36785703	53.35783489	0.007035025
10968	53.385638	53.37311732	53.37454	0.012520677
10969	53.385638	53.37678787	53.38833733	0.008850127
10970	53.380649	53.37869055	53.3876625	0.001958449
10971	53.380649	53.37944812	53.3862598	0.00120088
10972	53.374846	53.3800152	53.38532467	0.005169197
10973	53.374846	53.37983039	53.38382771	0.004984392
10974	53.374158	53.37929781	53.382705	0.005139806
10975	53.374158	53.378685	53.38175533	0.004527004
10976	53.379027	53.37868149	53.3809956	0.000345513
10977	53.379027	53.37863658	53.38081664	0.000390424
10978	53.383708	53.37900253	53.3806675	0.004705468
10979	53.383708	53.37982526	53.38090138	0.003882741
10980	53.373405	53.37966506	53.38110186	0.006260058
10981	53.373405	53.37883398	53.38058873	0.005428983
10982	53.384101	53.37817639	53.38013975	0.005924609
10983	53.384101	53.37894076	53.38037276	0.00516024
10984	53.37945	53.37946583	53.38057989	1.58E-05
10985	53.37945	53.37950608	53.38052042	5.61E-05
10986	53.397269	53.37956499	53.3804669	0.017704007
10987	53.397269	53.38605917	53.381267	0.011209835
10988	53.385925	53.39251729	53.38199436	0.006592289
10989	53.385925	53.39089504	53.38216526	0.004970037
10990	53.38301	53.38472826	53.38232192	0.001718255
10991	53.38301	53.38433165	53.38234944	0.001321655
10992	53.3984	53.38854415	53.38237485	0.009855848
10993	53.3984	53.3916736	53.397646	0.006726398
10994	53.381862	53.39283806	53.385925	0.010976057
10995	53.381862	53.39104957	53.38457067	0.009187572
10996	53.38234	53.38942974	53.3838935	0.007089743
10997	53.38234	53.38856754	53.38991689	0.006227538
10998	53.389324	53.38777109	53.3891592	0.001552907
10999	53.389324	53.38847637	53.38917418	0.000847633
11000	53.37713	53.38820458	53.3904208	0.011074576

Model	MAE	MSE	RMSE	R^2
Random Forest	0.013639589	0.00037295	0.019311903	0.987
Decision Tree	0.009224717	0.000147854	0.012159507	0.995

Mean Nilai Aktual	Total Actual-Predicted_RF ^2	Total Actual-Predicted_DT ^2	Total (Actual - Mean Actual)^2
52.84811719	8.21E-01	3.25E-01	62.55122586

Actual - Predicted_DT	Actual - Predicted_RF ^2	Actual - Predicted_DT ^2	(Actual - Mean Actual)^2
0.001947714	6.18E-06	3.79E-06	0.040360084
0.001817867	4.27E-06	3.30E-06	0.040360084
0.00124625	1.49E-06	1.55E-06	0.040176271
0.001172941	7.26E-07	1.38E-06	0.040176271
0.001894778	2.48E-06	3.59E-06	0.040492383
0.001795053	2.14E-06	3.22E-06	0.040492383
0.0003677	7.45E-07	1.35E-07	0.039662392
0.00035019	6.81E-07	1.23E-07	0.039662392
0.001498273	3.31E-06	2.24E-06	0.039200116
0.00143313	3.02E-06	2.05E-06	0.039200116
0.018066417	0.000337703	0.000326395	0.032868672
0.01734376	0.000190366	0.000300806	0.032868672
0.016213692	0.000228242	0.000262884	0.033036767
0.000308667	0.000113015	9.53E-08	0.033036767
0.006906	0.000150488	4.77E-05	0.030412288
0	8.93E-05	0	0.030412288
0.007876	1.44E-07	6.20E-05	0.033221329
0.005250667	3.44E-07	2.76E-05	0.033221329
0.006019	7.25E-06	3.62E-05	0.033984256
0.001387333	8.36E-06	1.92E-06	0.033984256
0.0017365	5.85E-08	3.02E-06	0.032968098
0.0013892	1.47E-08	1.93E-06	0.032968098
0.000572333	3.06E-06	3.28E-07	0.033599327
0.000490571	2.70E-06	2.41E-07	0.033599327
0.00822175	5.60E-05	6.76E-05	0.03050269
0	3.89E-05	0	0.03050269
0.002208	9.78E-06	4.88E-06	0.03127882
0.001472	6.04E-06	2.17E-06	0.03127882
0.002609	3.53E-05	6.81E-06	0.029979258
0.0020872	2.19E-05	4.36E-06	0.029979258
0.001025333	2.34E-05	1.05E-06	0.030227019
0.000878857	1.78E-05	7.72E-07	0.030227019
0.00262	2.98E-05	6.86E-06	0.029586818
0.002328889	1.74E-05	5.42E-06	0.029586818
0.009113	0.000113811	8.30E-05	0.027222093
0.008284545	7.03E-05	6.86E-05	0.027222093
0.013642167	0.000146734	0.000186109	0.025262938
0.010718	7.45E-05	0.000114876	0.025262938
0.012039	7.14E-05	0.000144938	0.030278155
0.00411064	1.01E-05	1.69E-05	0.030278155
0.009035538	1.28E-05	8.16E-05	0.028535045
0.008700889	9.33E-06	7.57E-05	0.028535045
0.002912714	2.98E-07	8.48E-06	0.027721648
0.002718533	5.62E-07	7.39E-06	0.027721648
0.002781625	9.22E-07	7.74E-06	0.027644114
0.002618	9.10E-07	6.85E-06	0.027644114
0.017931556	0.000268393	0.000321541	0.022742508
0.011882889	0.000184008	0.000141203	0.022742508
0.0125326	0.000186215	0.000157066	0.022191522
0.011393273	0.000137173	0.000129807	0.022191522
0.007813833	7.84E-05	6.11E-05	0.022982012
0.007212769	4.72E-05	5.20E-05	0.022982012
0.013291571	0.000124606	0.000176666	0.021026216
0.012405467	8.94E-05	0.000153896	0.021026216
0.010752125	6.28E-05	0.000115608	0.021281614
0.002855111	3.87E-05	8.15E-06	0.021281614
0.0041044	9.61E-07	1.68E-05	0.023273392
0.003731273	1.22E-06	1.39E-05	0.023273392
0.000838	6.63E-06	7.02E-07	0.022053198
0.000744889	3.36E-06	5.55E-07	0.022053198
0.003071	1.19E-05	9.43E-06	0.024070962
0.0024568	1.06E-05	6.04E-06	0.024070962
0.0025726	2.78E-05	6.62E-06	0.021100523
0.002338727	2.09E-05	5.47E-06	0.021100523
0.003032833	2.31E-05	9.20E-06	0.020843041
0.002799538	1.81E-05	7.84E-06	0.020843041
0.007238571	6.44E-05	5.24E-05	0.019525086
0.006756	4.35E-05	4.56E-05	0.019525086
0.00968875	8.55E-05	9.39E-05	0.018598739
0.005780571	5.34E-05	3.34E-05	0.018598739
0.0135686	9.16E-05	0.000184107	0.01829018

0.0022508	5.84E-05	5.07E-06	0.01829018
0.002129333	4.69E-06	4.53E-06	0.019389502
0.001825143	3.50E-06	3.33E-06	0.019389502
0.012711	0.0002555	0.00016157	0.015609552
0.011298667	0.00017113	0.00012766	0.015609552
0.0144088	0.000264637	0.000207614	0.014568054
0.013098909	0.000185423	0.000171581	0.014568054
0.012832333	0.000145063	0.000164669	0.014369582
0.002356	0.000110265	5.55E-06	0.014369582
0.009564667	2.54E-06	9.15E-05	0.017266273
0.008198286	3.73E-06	6.72E-05	0.017266273
0.015905	0.000214164	0.000252969	0.012945249
0.009289333	0.000161068	8.63E-05	0.012945249
0.0037404	4.69E-05	1.40E-05	0.014017895
0.003400364	2.89E-05	1.16E-05	0.014017895
0.001778	8.81E-06	3.16E-06	0.014336756
0.001641231	4.97E-06	2.69E-06	0.014336756
0.016216	0.000262602	0.000262959	0.011034282
0.015134933	0.000189905	0.000229066	0.011034282
0.02738	0.000578293	0.000749664	0.008437009
0.021374909	0.000270928	0.000456887	0.008437009
0.0116245	0.000270611	0.000135129	0.00753844
0.0092996	0.000124529	8.65E-05	0.00753844
0.008428667	0.000104912	7.10E-05	0.007420994
0.007224571	7.37E-05	5.22E-05	0.007420994
0.0123005	0.000162639	0.000151302	0.006426618
0.006949714	0.000113144	4.83E-05	0.006426618
0.002642	2.11E-08	6.98E-06	0.007901288
0.002348444	1.19E-07	5.52E-06	0.007901288
0.0036554	3.87E-05	1.34E-05	0.006908966
0.003323091	2.07E-05	1.10E-05	0.006908966
0.014409167	0.000231144	0.000207624	0.005149095
0.013300769	0.000178322	0.00017691	0.005149095
0.015742714	0.00021872	0.000247833	0.0046738
0.013340154	0.000110631	0.00017796	0.0046738
6.50E-05	7.54E-05	4.23E-09	0.004899467
5.20E-05	2.98E-05	2.70E-09	0.004899467
0.021570333	0.000610015	0.000465279	0.002349263
0.018488857	0.000390823	0.000341838	0.002349263
0.00834075	0.000152058	6.96E-05	0.003170387
0.007414	7.39E-05	5.50E-05	0.003170387
0.0101246	8.45E-05	0.000102508	0.002793566
0.009204182	6.81E-05	8.47E-05	0.002793566
0.017595167	0.000224924	0.00030959	0.001909357
0.007583143	0.000139234	5.75E-05	0.001909357
0.01511025	0.000332069	0.00022832	0.001240532
0.013431333	0.000236629	0.000180401	0.001240532
0.0225752	0.000516528	0.00050964	0.00061178
0.020522909	0.000358326	0.00042119	0.00061178
0.01311525	2.42E-05	0.00017201	0.001385045
0.0057908	1.25E-05	3.35E-05	0.001385045
0.014634333	0.000464226	0.000214164	0.000315282
0.012543714	0.000326136	0.000157345	0.000315282
0.01542775	0.000340653	0.000238015	0.000177002
0.0063528	0.000202932	4.04E-05	0.000177002
0.001014	5.51E-05	1.03E-06	0.000309204
0.000869143	3.77E-05	7.55E-07	0.000309204
0.0205415	0.000548588	0.000421953	4.82596E-06
0.018259111	0.000417776	0.000333395	4.82596E-06
0.0205242	0.000484258	0.000421243	3.95365E-05
0.018658364	0.000339795	0.000348135	3.95365E-05
0.0205888	0.000500486	0.000423899	0.000157673
0.0066516	0.000260569	4.42E-05	0.000157673
0.008143	0.000236064	6.63E-05	0.000229729
0.006979714	0.000130417	4.87E-05	0.000229729
0.00831925	9.57E-05	6.92E-05	0.000301675
0.007394889	8.76E-05	5.47E-05	0.000301675
0.0258715	0.00016348	0.000669335	5.66528E-05
0.002896909	6.81E-05	8.39E-06	5.66528E-05
0.0283565	0.00085852	0.000804091	0.00148524
0.026175231	0.00064041	0.000685143	0.00148524
0.020708571	0.000338075	0.000428845	0.00122093

0.002398	0.000233766	5.75E-06	0.00122093
0.0074305	2.85E-05	5.52E-05	0.000859065
0.0059444	1.38E-05	3.53E-05	0.000859065
5.07E-05	5.98E-05	2.57E-09	0.001170516
4.34E-05	3.57E-05	1.89E-09	0.001170516
0.0035	7.61E-05	1.23E-05	0.001425123
0.003111111	5.23E-05	9.68E-06	0.001425123
0.00664	8.17E-05	4.41E-05	0.001729795
0.006036364	6.66E-05	3.64E-05	0.001729795
0.013852333	0.00027026	0.000191887	0.002490989
0.012786769	0.000194624	0.000163501	0.002490989
0.001984429	2.25E-05	3.94E-06	0.001601665
0.001852133	1.31E-05	3.43E-06	0.001601665
0.018203375	0.000299456	0.000331363	0.003190872
0.017132588	0.000137787	0.000293526	0.003190872
0.020893	0.000705165	0.000436517	0.005489596
0.0167144	0.000346669	0.000279371	0.005489596
0.030360375	0.000191878	0.000921752	0.00471211
0.002684	6.51E-05	7.20E-06	0.00471211
0.008232667	0.000137878	6.78E-05	0.00557125
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0.016047333	7.87E-05	0.000257517	0.003182292
0.013754857	6.93E-05	0.000189196	0.003182292
0.0033535	4.03E-05	1.12E-05	0.005042819
0.0026828	2.52E-05	7.20E-06	0.005042819
0.003320333	9.49E-05	1.10E-05	0.005862782
0.002846	7.24E-05	8.10E-06	0.005862782
0.01620325	0.000417972	0.000262545	0.008150805
0.014402889	0.000284656	0.000207443	0.008150805
0.0058126	5.72E-05	3.38E-05	0.006910897
0.005284182	2.81E-05	2.79E-05	0.006910897
0.013362833	0.000184888	0.000178565	0.008399871
0.012334923	0.000101265	0.00015215	0.008399871
0.004994857	2.17E-05	2.49E-05	0.007257644
0.004661867	1.23E-05	2.17E-05	0.007257644
0.0139625	0.000129076	0.000194951	0.00898397
0.006417556	9.45E-05	4.12E-05	0.00898397
0.0135788	0.0002765	0.000184384	0.010524053
0.012344364	0.000192132	0.000152383	0.010524053
0.004294667	1.67E-05	1.84E-05	0.009132824
0.003964308	1.20E-05	1.57E-05	0.009132824
0.015893143	0.000232127	0.000252592	0.011616056
0.0148336	0.000170809	0.000220036	0.011616056
0.0104075	6.19E-05	0.000108316	0.01087407
0.005526909	4.08E-05	3.05E-05	0.01087407
0.008015333	7.67E-05	6.42E-05	0.011497803
0.005662909	5.33E-05	3.21E-05	0.011497803
0.002684	2.50E-06	7.20E-06	0.00987098
0.002477538	2.16E-06	6.14E-06	0.00987098
0.003116429	1.53E-05	9.71E-06	0.010976713
0.002908667	1.12E-05	8.46E-06	0.010976713
0.008241875	6.68E-05	6.79E-05	0.012162739
0.007757059	5.30E-05	6.02E-05	0.012162739
0.005804111	2.65E-05	3.37E-05	0.011829348
0.005498632	2.22E-05	3.02E-05	0.011829348
0.0096277	7.11E-05	9.27E-05	0.012806726
0.009169238	5.92E-05	8.41E-05	0.012806726
0.0102744	9.08E-05	0.000105563	0.013375341
0.009785143	7.49E-05	9.57E-05	0.013375341
0.010276364	6.80E-05	0.000105604	0.013592717
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0.0141067	0.000148109	0.000198999	0.015102642
0.013434952	0.000119016	0.000180498	0.015102642
0.001225333	8.78E-07	1.50E-06	0.012797901
0.001160842	3.93E-07	1.35E-06	0.012797901
0.0098468	6.46E-05	9.70E-05	0.014852738
0.009377905	4.79E-05	8.79E-05	0.014852738
0.009186571	8.96E-05	8.44E-05	0.015728372
0.008574133	6.86E-05	7.35E-05	0.015728372
0.005720571	2.79E-05	3.27E-05	0.01269381
0.0053392	2.35E-05	2.85E-05	0.01269381
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0.007323	4.82E-05	5.36E-05	0.015398032
0.006255368	4.27E-05	3.91E-05	0.015398032
0.0158866	0.000261287	0.000252384	0.017964794
0.015130095	0.000206886	0.00022892	0.017964794
0.017793364	0.000259741	0.000316604	0.018874311
0.015500421	0.000202186	0.000240263	0.018874311
0.0294024	0.000696825	0.000864501	0.023122489
0.013082	0.000342367	0.000171139	0.023122489
0.016081333	0.00013699	0.000258609	0.015644458
0.010056903	2.59E-05	0.000101141	0.015644458
0.003237667	6.31E-05	1.05E-05	0.020850438
0.002775143	4.36E-05	7.70E-06	0.020850438
0.00806375	2.96E-05	6.50E-05	0.017930498
0.007167778	1.61E-05	5.14E-05	0.017930498
0.006564	6.82E-05	4.31E-05	0.02158543
0.005967273	5.09E-05	3.56E-05	0.02158543
0.004946	1.77E-05	2.45E-05	0.01863329
0.004565538	1.61E-05	2.08E-05	0.01863329
0.003115429	5.47E-06	9.71E-06	0.018941413
0.002907733	7.31E-06	8.45E-06	0.018941413
0.012202	0.000152732	0.000148889	0.023273274
0.011484235	0.000107879	0.000131888	0.023273274
0.011746	0.000173617	0.000137969	0.024572697
0.010842462	9.53E-05	0.000117559	0.024572697
0.0025975	6.48E-06	6.75E-06	0.023121881
0.002078	5.40E-06	4.32E-06	0.023121881
0.001971333	3.36E-05	3.89E-06	0.024261741
0.001689714	2.41E-05	2.86E-06	0.024261741
0.007258	2.28E-06	5.27E-05	0.021789246
0.005930222	1.67E-06	3.52E-05	0.021789246
0.0084682	4.74E-05	7.17E-05	0.020874704
0.003145789	1.88E-05	9.90E-06	0.020874704
0.0092045	0.000164899	8.47E-05	0.026728263
0.008181778	0.000123884	6.69E-05	0.026728263
0.0113295	6.66E-06	0.000128358	0.023354505
0.003002182	2.08E-07	9.01E-06	0.023354505
0.002287	1.54E-05	5.23E-06	0.024920035
0.002111077	1.23E-05	4.46E-06	0.024920035
0.011504286	0.000160543	0.000132349	0.02802437
0.010737333	0.000116651	0.00011529	0.02802437
0.02087625	0.000403203	0.000435818	0.031760518
0.019648235	0.00029019	0.000386053	0.031760518
0.00399625	1.13E-07	1.60E-05	0.026486198
0.003552222	5.38E-07	1.26E-05	0.026486198
0.006964	7.23E-05	4.85E-05	0.029896764
0.002958571	5.47E-05	8.75E-06	0.029896764
0.01389675	0.00031889	0.00019312	0.033935095
0.012352667	0.000191545	0.000152588	0.033935095
0.0041386	1.43E-05	1.71E-05	0.028547079
0.003762364	9.84E-06	1.42E-05	0.028547079
0.001357	8.59E-05	1.84E-06	0.033436978
0.000904667	4.26E-05	8.18E-07	0.033436978
0.007339286	7.94E-08	5.39E-05	0.030522818
0.00685	3.80E-07	4.69E-05	0.030522818
7.50E-06	3.31E-05	5.63E-11	0.033682823
6.00E-06	2.36E-05	3.60E-11	0.033682823
0.004862	8.43E-05	2.36E-05	0.03549298
0.004167429	5.28E-05	1.74E-05	0.03549298
0.0042435	5.56E-06	1.80E-05	0.032582347
0.003772	5.00E-06	1.42E-05	0.032582347
0.0013068	3.80E-08	1.71E-06	0.033340499
0.001188	3.02E-08	1.41E-06	0.033340499
0.010323	0.000133296	0.000106564	0.037638253
0.009528923	0.000102612	9.08E-05	0.037638253
0.009534286	8.70E-05	9.09E-05	0.0379049
0.008898667	6.82E-05	7.92E-05	0.0379049
0.0023285	1.47E-06	5.42E-06	0.035599315
0.002191529	1.68E-06	4.80E-06	0.035599315
0.017507778	0.000271242	0.000306522	0.041663263
0.016586316	0.000221092	0.000275106	0.041663263
0.015707	0.000179972	0.00024671	0.041642854

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0.002849091	1.12E-05	8.12E-06	0.037108554
0.002725217	7.53E-06	7.43E-06	0.037108554
0.017966667	0.000161342	0.000322801	0.043260176
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0.0066745	7.81E-05	4.45E-05	0.042542696
0.006161077	6.00E-05	3.80E-05	0.042542696
0.006972	3.35E-05	4.86E-05	0.037467722
0.0065072	2.99E-05	4.23E-05	0.037467722
0.0044085	3.16E-05	1.94E-05	0.041646527
0.004149176	2.30E-05	1.72E-05	0.041646527
0.000673667	1.23E-06	4.54E-07	0.040332612
0.000638211	1.21E-06	4.07E-07	0.040332612
0.0017257	1.62E-06	2.98E-06	0.03940138
0.001643524	1.47E-06	2.70E-06	0.03940138
0.011621818	0.000127427	0.000135067	0.035511446
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0.005187667	3.23E-05	2.69E-05	0.041732691
0.00498016	2.63E-05	2.48E-05	0.041732691
0.007079385	4.60E-05	5.01E-05	0.037024613
0.006817185	4.26E-05	4.65E-05	0.037024613
0.003373286	1.21E-05	1.14E-05	0.040951515
0.003256966	1.06E-05	1.06E-05	0.040951515
0.0027116	7.37E-06	7.35E-06	0.038614139
0.002624129	6.50E-06	6.89E-06	0.038614139
0.007912875	6.25E-05	6.26E-05	0.042832362
0.007673091	5.54E-05	5.89E-05	0.042832362
0.004939412	1.90E-05	2.44E-05	0.041800542
0.004798286	1.70E-05	2.30E-05	0.041800542
0.006353	3.21E-05	4.04E-05	0.04249362
0.006181297	2.90E-05	3.82E-05	0.04249362
0.008102368	8.23E-05	6.56E-05	0.036871223
0.007894615	7.46E-05	6.23E-05	0.036871223
0.00512475	2.42E-05	2.63E-05	0.041959757
0.004999756	1.99E-05	2.50E-05	0.041959757
0.001493286	4.13E-06	2.23E-06	0.039389074
0.001458558	3.79E-06	2.13E-06	0.039389074
0.010520591	0.000101201	0.000110683	0.04427355
0.0102868	9.48E-05	0.000105818	0.04427355
0.000798364	2.98E-07	6.37E-07	0.040874653
0.000763652	1.01E-06	5.83E-07	0.040874653
0.010547833	8.47E-05	0.000111257	0.037001911
0.008427778	7.06E-05	7.10E-05	0.037001911
0.003549435	1.70E-05	1.26E-05	0.041678369
0.003473915	1.37E-05	1.21E-05	0.041678369
0.012518458	0.000157957	0.000156712	0.03543159
0.01226298	0.000124823	0.000150381	0.03543159
0.00581028	7.76E-05	3.38E-05	0.042461057
0.005696353	5.95E-05	3.24E-05	0.042461057
0.003603192	5.54E-06	1.30E-05	0.038758115
0.003535208	5.64E-06	1.25E-05	0.038758115
0.002892259	1.38E-05	8.37E-06	0.041303574
0.002839673	8.56E-06	8.06E-06	0.041303574
0.014098036	0.00020117	0.000198755	0.03472476
0.013850702	0.000118345	0.000191842	0.03472476
0.011665258	7.35E-05	0.000136078	0.035346184
0.001106667	4.09E-05	1.22E-06	0.035346184
0.010685	2.41E-05	0.000114169	0.039148899
0.008548	1.37E-05	7.31E-05	0.039148899
0.007905333	1.39E-05	6.25E-05	0.039458965
0.006776	1.01E-05	4.59E-05	0.039458965
0.004972	3.20E-06	2.47E-05	0.039079679
0.004419556	1.67E-06	1.95E-05	0.039079679
0.0050664	6.17E-05	2.57E-05	0.035585732
0.004605818	5.82E-05	2.12E-05	0.035585732
0.005614	6.95E-05	3.15E-05	0.035062491
0.005182154	5.13E-05	2.69E-05	0.035062491
0.005921	5.64E-05	3.51E-05	0.0346484
0.005526267	5.11E-05	3.05E-05	0.0346484
0.015545875	0.00029577	0.000241674	0.030897135
0.014631412	0.000244133	0.000214078	0.030897135
0.00153625	4.57E-05	2.36E-06	0.033458193

0.001365556	4.25E-05	1.86E-06	0.033458193
0.022799	0.000788826	0.000519794	0.02603247
0.020726364	0.000638486	0.000429582	0.02603247
0.000878833	9.14E-06	7.72E-07	0.032842069
0.000811231	6.59E-06	6.58E-07	0.032842069
0.002144714	2.87E-05	4.60E-06	0.031800094
0.002001733	2.07E-05	4.01E-06	0.031800094
0.005395	8.38E-05	2.91E-05	0.030137588
0.003710308	6.14E-05	1.38E-05	0.030137588
0.019922286	0.000552033	0.000396897	0.024688205
0.016990769	0.000484319	0.000288686	0.024688205
0.006410143	8.29E-05	4.11E-05	0.027719522
0.0059828	6.88E-05	3.58E-05	0.027719522
0.003462875	2.61E-05	1.20E-05	0.02843871
0.003259176	1.46E-05	1.06E-05	0.02843871
0.012408111	0.000166736	0.000153961	0.025378978
0.011755053	0.000130946	0.000138181	0.025378978
0.00819775	0.000244753	6.72E-05	0.023929865
0.007286889	0.000186011	5.31E-05	0.023929865
0.0094662	0.000196654	8.96E-05	0.023038628
0.008605636	0.000129999	7.41E-05	0.023038628
0.0118025	0.00024364	0.000139299	0.021865776
0.006335143	0.00017576	4.01E-05	0.021865776
0.00712825	0.000149436	5.08E-05	0.021399538
0.006336222	0.000108031	4.01E-05	0.021399538
0.0058534	6.46E-07	3.43E-05	0.024914036
0.005321273	1.21E-06	2.83E-05	0.024914036
0.009632167	0.000157122	9.28E-05	0.020544007
0.008891231	0.000132396	7.91E-05	0.020544007
0.016612143	0.000316842	0.000275963	0.018218469
0.015504667	0.000210231	0.000240395	0.018218469
0.006910143	8.24E-05	4.78E-05	0.019937951
0.005366154	5.83E-05	2.88E-05	0.019937951
0.018065857	0.000588247	0.000326375	0.016414429
0.010043714	0.000396564	0.000100876	0.016414429
0.00451925	0.000141548	2.04E-05	0.017526532
0.004017111	0.00010522	1.61E-05	0.017526532
0.0160484	0.000495951	0.000257551	0.014389156
0.014589455	0.000374531	0.000212852	0.014389156
0.016487667	0.00048322	0.000271843	0.013651774
0.015219385	0.000239081	0.00023163	0.013651774
0.0113665	0.000240967	0.000129197	0.013817252
0.010492154	0.000146511	0.000110085	0.013817252
0.016508714	0.00054377	0.000272538	0.012272387
0.011080909	0.000375099	0.000122787	0.012272387
0.0102415	0.000246159	0.000104888	0.012253783
0.009453692	0.000168217	8.94E-05	0.012253783
0.013565429	0.000273038	0.000184021	0.011216887
0.012661067	0.000207786	0.000160303	0.011216887
0.01253075	0.00017025	0.00015702	0.011077312
0.011793647	0.000107115	0.00013909	0.011077312
0.012429714	0.000191156	0.000154498	0.009999162
0.011601067	0.000136307	0.000134585	0.009999162
0.014564	0.000180406	0.00021211	0.009275194
0.013707294	0.000151605	0.00018789	0.009275194
0.006909778	3.29E-05	4.77E-05	0.010474255
0.006546105	1.93E-05	4.29E-05	0.010474255
0.0236458	0.000447987	0.000559124	0.007210864
0.02251981	0.00036331	0.000507142	0.007210864
0.023646182	0.000368502	0.000559142	0.006850344
0.018125412	0.000300416	0.000328531	0.006850344
0.034160444	0.002807151	0.001166936	0.00431975
0.032362526	0.001890175	0.001047333	0.00431975
0.0172744	0.000228346	0.000298405	0.006271818
0.012900706	0.000198148	0.000166428	0.006271818
0.008864	6.98E-05	7.86E-05	0.006808694
0.008397474	4.05E-05	7.05E-05	0.006808694
0.0088245	0.000454175	7.79E-05	0.00540575
0.012420588	0.000316805	0.000154271	0.00540575
0.030102556	0.001067374	0.000906164	0.003041722
0.021189385	0.000673387	0.00044899	0.003041722
0.0222986	0.000476792	0.000497228	0.003397119

0.005584571	0.000336203	3.12E-05	0.003397119
0.0257085	0.000410402	0.000660927	0.003208068
6.28E-05	0.000254816	3.94E-09	0.003208068
0.002176667	0.000189727	4.74E-06	0.003465537
0.001865714	0.000127009	3.48E-06	0.003465537
0.0043525	8.57E-05	1.89E-05	0.003793181
0.003868889	5.60E-05	1.50E-05	0.003793181
0.011495	0.000446661	0.000132135	0.002172661
0.01045	0.000334719	0.000109202	0.002172661
0.005019167	0.000159283	2.52E-05	0.002618554
0.004633077	0.000107825	2.15E-05	0.002618554
0.014799143	0.00038626	0.000219015	0.00165444
0.013812533	0.000249822	0.000190786	0.00165444
0.00291075	7.74E-06	8.47E-06	0.003196184
0.002739529	7.44E-06	7.51E-06	0.003196184
0.019259667	0.000452798	0.000370935	0.001203244
0.018246	0.00036406	0.000332917	0.001203244
0.0196587	0.001036236	0.000386464	0.001047351
0.018722571	0.000509084	0.000350535	0.001047351
0.008357545	5.01E-05	6.98E-05	0.001753667
0.0066812	4.01E-05	4.46E-05	0.001753667
0.001061333	0.00014491	1.13E-06	0.001242408
0.000909714	0.000107043	8.28E-07	0.001242408
0.002518	0.000191498	6.34E-06	0.00112398
0.002238222	0.000128156	5.01E-06	0.00112398
0.0116104	0.000427605	0.000134801	0.000572636
0.010554909	0.000350968	0.000111406	0.000572636
0.013713333	0.000501502	0.000188056	0.000395684
0.012658462	0.00036434	0.000160237	0.000395684
0.016718286	0.004687844	0.000279501	0.000222839
0.015603733	0.00186698	0.000243476	0.000222839
0.0011545	7.54E-05	1.33E-06	0.000943154
0.001086588	5.51E-05	1.18E-06	0.000943154
0.018304778	0.000889662	0.000335065	0.0001295
0.017341368	0.00068619	0.000300723	0.0001295
0.0143333	0.000670228	0.000205443	0.000182812
0.013650762	0.000478683	0.000186343	0.000182812
0.008707667	3.03E-05	7.58E-05	0.000771051
0.008037846	2.44E-05	6.46E-05	0.000771051
0.009366286	0.000469658	8.77E-05	0.000119636
0.008741867	0.000383994	7.64E-05	0.000119636
0.0066495	0.000274911	4.42E-05	0.000155845
0.006258353	0.000211301	3.92E-05	0.000155845
0.022430667	0.000866029	0.000503135	1.62908E-05
0.021250105	0.000600556	0.000451567	1.62908E-05
0.0133506	0.00064931	0.000178239	7.84452E-06
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0.027251909	0.002140424	0.000742667	0.000151639
0.015876222	0.001106452	0.000252054	0.000151639
0.0126216	0.000791926	0.000159305	0.000113363
0.011474182	0.000660998	0.000131657	0.000113363
0.019036	6.64E-06	0.000362369	0.000168657
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0.021015714	0.001466946	0.00044166	0.000371379
0.019614667	0.001115212	0.000384735	0.000371379
0.008259	0.001248487	6.82E-05	0.000177934
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0.000194857	0.000276614	3.80E-08	3.67866E-05
0.000181867	0.000214457	3.31E-08	3.67866E-05
0.0014765	0.000180024	2.18E-06	2.26499E-05
0.001389647	0.000185287	1.93E-06	2.26499E-05
0.016766556	0.001021965	0.000281117	0.000521583
0.011167273	0.000701426	0.000124708	0.000521583
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0.02658075	0.001014442	0.000706536	0.000731659
0.012355231	0.000704959	0.000152652	0.000731659
6.23E-05	0.000364377	3.89E-09	0.000480889
5.34E-05	0.000225393	2.85E-09	0.000480889
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0.013162	0.000911689	0.000173238	0.00115751

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0.004638111	7.62E-05	2.15E-05	0.000887456
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0.00389275	0.000494701	1.52E-05	0.002111328
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0.020706	0.001190379	0.000428738	0.003556237
0	0.000768454	0	0.003556237
0.007978	0.00085924	6.36E-05	0.00384514
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0.00842675	0.001360124	7.10E-05	0.005847231
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0.009071	0.002605417	8.23E-05	0.016088688
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0.005588143	0.001103583	3.12E-05	0.024920787
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0.006161625	0.00072801	3.80E-05	0.025324009
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0.000862	0.000700141	7.43E-07	0.02387649
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0.001635429	0.000449491	2.67E-06	0.027035644
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0.013120167	0.000544853	0.000172139	0.02806201
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0.001367167	0.000277086	1.87E-06	0.025142286
0.00131248	0.000178397	1.72E-06	0.025142286
0.002526	0.000172273	6.38E-06	0.02635791
0.002432444	0.000142671	5.92E-06	0.02635791
0.005023429	3.28E-05	2.52E-05	0.02401948
0.004850207	4.45E-05	2.35E-05	0.02401948
0.006698467	0.000354437	4.49E-05	0.027678708
0.006482387	0.00018992	4.20E-05	0.027678708
0.009039812	0.000291317	8.17E-05	0.028604684
0.00184	0.000247044	3.39E-06	0.028604684
0.005967	0.000875999	3.56E-05	0.030177315
0.0047736	0.000759882	2.28E-05	0.030177315
0.023789	3.38E-05	0.000565917	0.021301167
0.014850138	1.75E-05	0.000220527	0.021301167
0.022184	0.00037258	0.00049213	0.02826877
0.003650588	0.000366675	1.33E-05	0.02826877
0.0043495	6.99E-07	1.89E-05	0.023617909
0.004093647	1.57E-07	1.68E-05	0.023617909
0.002220778	0.000283272	4.93E-06	0.027857677
0.002103895	0.000288296	4.43E-06	0.027857677
0.0056977	0.000394581	3.25E-05	0.029106132

0.005426381	0.000345901	2.94E-05	0.029106132
0.000458222	9.73E-06	2.10E-07	0.024677014
0.000434105	4.20E-07	1.88E-07	0.024677014
0.0106414	0.000217074	0.000113239	0.021567916
0.010134667	9.56E-05	0.000102711	0.021567916
0.000558	2.77E-07	3.11E-07	0.024328573
0.000533739	2.16E-06	2.85E-07	0.024328573
0.0140655	0.000348621	0.000197838	0.029088391
0.01350288	0.000239381	0.000182328	0.029088391
0.016014462	7.16E-07	0.000256463	0.020037872
0.015421333	5.07E-06	0.000237818	0.020037872
0.009300462	0.000272259	8.65E-05	0.029096237
0.008596894	0.000259418	7.39E-05	0.029096237
0.0105275	3.09E-05	0.000110828	0.02394298
0.001632276	5.69E-06	2.66E-06	0.02394298
0.0021655	0.000137613	4.69E-06	0.026794152
0.00207888	0.00012651	4.32E-06	0.026794152
0.006736867	1.35E-06	4.54E-05	0.022373037
0.002890222	1.04E-07	8.35E-06	0.022373037
0.010182893	2.28E-05	0.000103691	0.022955641
0.010004246	1.68E-05	0.000100085	0.022955641
0.0050608	1.69E-07	2.56E-05	0.020139638
0.004600727	2.77E-05	2.12E-05	0.020139638
0.004600667	1.06E-07	2.12E-05	0.022720194
0.004246769	2.67E-07	1.80E-05	0.022720194
0.011871759	2.99E-05	0.000140939	0.022341637
0.011670542	1.81E-05	0.000136202	0.022341637
0.016288033	1.18E-06	0.0002653	0.020926282
0.0019876	1.16E-05	3.95E-06	0.020926282
0.006541375	3.81E-05	4.28E-05	0.019594734
0.006156588	4.86E-05	3.79E-05	0.019594734
0.008521033	8.98E-07	7.26E-05	0.023233744
0.008381344	6.06E-07	7.02E-05	0.023233744
0.018751161	6.63E-05	0.000351606	0.020141625
0.018453524	4.16E-05	0.000340533	0.020141625
0.007021	0.000180213	4.93E-05	0.017678413
0.004680667	0.000167672	2.19E-05	0.017678413
0.022637187	4.72E-05	0.000512442	0.01889228
0.022288923	5.07E-05	0.000496796	0.01889228
0.0167045	2.80E-05	0.00027904	0.023076403
0.012399143	2.59E-05	0.000153739	0.023076403
0.00749375	8.09E-05	5.62E-05	0.017839928
0.006661111	1.84E-05	4.44E-05	0.017839928
0.022725	0.000583682	0.000516426	0.013650696
0.011153333	0.000520863	0.000124397	0.013650696
0.001821	8.64E-06	3.32E-06	0.014079529
0.001214	0.000106921	1.47E-06	0.014079529
0.0156965	2.89E-06	0.00024638	0.017807086
0.0125572	1.38E-06	0.000157683	0.017807086
0.0044526	6.43E-06	1.98E-05	0.017304138
0.004047818	4.44E-06	1.64E-05	0.017304138
0.021471667	0.00017476	0.000461032	0.014954402
0.002517556	0.000272666	6.34E-06	0.014954402
0.0102858	0.000381843	0.000105798	0.01305722
0.009350727	0.00023782	8.74E-05	0.01305722
0.0009795	3.39E-05	9.59E-07	0.014849906
0.000904154	8.57E-06	8.17E-07	0.014849906
0.008734571	0.000126531	7.63E-05	0.012988065
0.0032792	9.35E-05	1.08E-05	0.012988065
0.009511667	0.00025979	9.05E-05	0.01148888
0.008152857	0.000200911	6.65E-05	0.01148888
0.00128425	1.69E-05	1.65E-06	0.013364329
0.001141556	2.45E-05	1.30E-06	0.013364329
0.0040356	5.07E-05	1.63E-05	0.012219355
0.003668727	3.97E-05	1.35E-05	0.012219355
0.016526	0.000337175	0.000273109	0.009482512
0.015254769	0.000259597	0.000232708	0.009482512
0.0001772	1.05E-05	3.14E-08	0.01190547
0.000161091	8.30E-06	2.60E-08	0.01190547
0.017731333	0.000542907	0.0003144	0.008323495
0.016367385	0.00041699	0.000267891	0.008323495
0.011023286	0.000161296	0.000121513	0.009102723

0.003285429	0.000144896	1.08E-05	0.009102723
0.0167465	4.65E-06	0.000280445	0.012114787
0.010474889	1.75E-06	0.000109723	0.012114787
0.0064466	0.000130419	4.16E-05	0.008872357
0.005860545	0.000109501	3.43E-05	0.008872357
0.0060078	0.000169039	3.61E-05	0.008364418
0.005461636	0.000151884	2.98E-05	0.008364418
0.0072415	0.00029876	5.24E-05	0.0079606
0.006684462	0.000172895	4.47E-05	0.0079606
0.012094	0.000318332	0.000146265	0.006944754
0.007104857	0.000246408	5.05E-05	0.006944754
0.01983975	0.000788478	0.000393616	0.00485979
0.015679429	0.000641084	0.000245844	0.00485979
0.006308333	6.53E-05	3.98E-05	0.007913026
0.005823077	6.69E-05	3.39E-05	0.007913026
0.0015115	0.000230848	2.28E-06	0.006089491
0.0012092	0.00017464	1.46E-06	0.006089491
0.009862667	2.00E-05	9.73E-05	0.007549905
0.008453714	1.88E-05	7.15E-05	0.007549905
0.007704	0.000259527	5.94E-05	0.00635802
0.0071904	0.000208452	5.17E-05	0.00635802
0.005594	7.63E-05	3.13E-05	0.006542253
0.005264941	7.55E-05	2.77E-05	0.006542253
0.009809444	0.000233012	9.62E-05	0.005783175
0.004695867	0.000196567	2.21E-05	0.005783175
0.008727375	0.00026594	7.62E-05	0.005144073
0.008214	0.000201167	6.75E-05	0.005144073
0.002023333	4.35E-06	4.09E-06	0.00664277
0.001916842	6.06E-06	3.67E-06	0.00664277
0.004400667	0.000166917	1.94E-05	0.00551324
0.004169053	0.000116454	1.74E-05	0.00551324
0.0122876	0.000269619	0.000150985	0.004345999
0.011702476	0.000212571	0.000136948	0.004345999
0.005530545	8.31E-05	3.06E-05	0.005121434
0.005290087	5.33E-05	2.80E-05	0.005121434
0.018917667	0.000403783	0.000357878	0.003331159
0.0088224	0.000265668	7.78E-05	0.003331159
0.003026	0.000172082	9.16E-06	0.003849234
0.002593714	9.63E-05	6.73E-06	0.003849234
0.0107545	2.62E-07	0.000115659	0.005634933
0.009559556	4.48E-10	9.14E-05	0.005634933
0.0052194	8.00E-05	2.72E-05	0.003750729
0.004744909	7.13E-05	2.25E-05	0.003750729
0.0090145	4.59E-05	8.13E-05	0.005566233
0.008321077	3.74E-05	6.92E-05	0.005566233
0.000490286	5.90E-06	2.40E-07	0.004407658
0.0004576	4.30E-06	2.09E-07	0.004407658
0.011184	0.000178392	0.000125082	0.003095275
0.010526118	0.000150899	0.000110799	0.003095275
0.000293667	1.09E-07	8.62E-08	0.004338882
0.000278211	7.80E-08	7.74E-08	0.004338882
0.0082463	6.65E-05	6.80E-05	0.005454146
0.007853619	5.58E-05	6.17E-05	0.005454146
0.005101364	0.000112056	2.60E-05	0.003752076
0.004879565	6.69E-05	2.38E-05	0.003752076
0.00202975	1.10E-05	4.12E-06	0.004618588
0.00194856	4.56E-06	3.80E-06	0.004618588
0.010106385	0.00010268	0.000102139	0.003133782
0.009732074	7.87E-05	9.47E-05	0.003133782
0.0011985	1.28E-05	1.44E-06	0.004430659
0.001157172	5.69E-06	1.34E-06	0.004430659
0.0142914	0.00017888	0.000204244	0.002616649
0.012596074	0.000113373	0.000158661	0.002616649
0.007584214	3.72E-05	5.75E-05	0.003104183
0.00732269	3.05E-05	5.36E-05	0.003104183
0.0026454	3.02E-06	7.00E-06	0.004282288
0.002560065	1.76E-06	6.55E-06	0.004282288
0.011917938	0.000142486	0.000142037	0.002605203
0.011556788	9.50E-05	0.000133559	0.002605203
0.007677118	3.77E-07	5.89E-05	0.004890931
0.004698923	3.14E-06	2.21E-05	0.004890931
0.005759118	4.56E-07	3.32E-05	0.004626338

0.005594571	1.25E-07	3.13E-05	0.004626338
0.009292167	4.90E-05	8.63E-05	0.005165325
0.009041027	4.25E-05	8.17E-05	0.005165325
0.000610421	4.69E-06	3.73E-07	0.004697347
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0.008876	1.32E-05	7.88E-05	0.004444915
0.00238722	2.36E-06	5.70E-06	0.004444915
0.001097381	3.55E-06	1.20E-06	0.004610844
0.00107186	1.95E-06	1.15E-06	0.004610844
0.008039	7.38E-06	6.46E-05	0.004334009
0.007503067	7.37E-06	5.63E-05	0.004334009
0.010748125	4.47E-05	0.000115522	0.004836812
0.005632638	2.91E-05	3.17E-05	0.004836812
0.014686292	0.00013926	0.000215687	0.006196554
0.009550444	9.82E-05	9.12E-05	0.006196554
0.004267826	1.63E-05	1.82E-05	0.00542332
0.004177021	1.62E-05	1.74E-05	0.00542332
0.009346	2.78E-05	8.73E-05	0.006225083
0.009155265	2.42E-05	8.38E-05	0.006225083
0.00247216	8.06E-06	6.11E-06	0.005241643
0.002423686	5.55E-06	5.87E-06	0.005241643
0.002840889	1.17E-05	8.07E-06	0.003948136
0.002691368	7.89E-06	7.24E-06	0.003948136
0.0070708	1.80E-06	5.00E-05	0.004535779
0.006734095	1.87E-06	4.53E-05	0.004535779
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0.01235023	0.000144537	0.000152528	0.006075297
0.004648968	1.77E-05	2.16E-05	0.003738612
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0.011484727	8.03E-05	0.000131899	0.006014963
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0.007878482	5.59E-06	6.21E-05	0.005840351
0.01481469	6.85E-05	0.000219475	0.006964268
0.0146404	6.31E-05	0.000214341	0.006964268
0.013276163	4.62E-05	0.000176256	0.00676641
0.013008584	3.78E-05	0.000169223	0.00676641
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0.007294154	0.000141789	5.32E-05	0.008215463
0.004630143	0.000136143	2.14E-05	0.007831576
0.004321467	0.000122217	1.87E-05	0.007831576
0.009152375	0.000261332	8.38E-05	0.008760434
0.008614	8.73E-05	7.42E-05	0.008760434
0.005424556	4.12E-05	2.94E-05	0.006405952
0.005139053	2.85E-05	2.64E-05	0.006405952
0.0121619	0.000185712	0.000147912	0.009424758
0.011582762	0.0001204	0.00013416	0.009424758
0.001675273	7.13E-05	2.81E-06	0.007691324
0.001602435	8.02E-05	2.57E-06	0.007691324
0.005551667	1.63E-05	3.08E-05	0.00841186
0.0053296	1.59E-05	2.84E-05	0.00841186
0.004218615	1.40E-05	1.78E-05	0.008246491
0.00406237	1.49E-05	1.65E-05	0.008246491
0.007742286	4.75E-05	5.99E-05	0.00895582
0.00747531	3.26E-05	5.59E-05	0.00895582
0.012705133	0.000115372	0.00016142	0.010022851
0.01229529	9.77E-05	0.000151174	0.010022851
0.010605063	7.81E-05	0.000112467	0.009763059
0.010283697	6.69E-05	0.000105754	0.009763059
0.000825235	8.10E-07	6.81E-07	0.008037516
0.000801657	3.22E-06	6.43E-07	0.008037516
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0.004323	6.11E-05	1.87E-05	0.010816248
0.002882	2.92E-05	8.31E-06	0.010816248
0.0041545	0.000158815	1.73E-05	0.012169883
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0.003279667	4.42E-05	1.08E-05	0.012282667
0.002811143	4.04E-05	7.90E-06	0.012282667
0.00181675	9.93E-05	3.30E-06	0.012140556
0.001614889	3.06E-05	2.61E-06	0.012140556
0.0094916	4.65E-05	9.01E-05	0.009848417
0.008628727	3.73E-05	7.45E-05	0.009848417
0.015443333	0.000566479	0.000238497	0.015028846
0.014255385	0.000361364	0.000203216	0.015028846
0.010192143	0.000174099	0.00010388	0.014291531
0.009512667	0.000154144	9.05E-05	0.014291531
0.012305125	0.000228575	0.000151416	0.015112816
0.011581294	0.000181179	0.000134126	0.015112816
0.011945111	8.78E-05	0.000142686	0.010010241
0.011316421	6.13E-05	0.000128061	0.010010241
0.0151414	0.000587207	0.000229262	0.015861688
0.014420381	0.000474288	0.000207947	0.015861688
0.001206909	2.77E-05	1.46E-06	0.012856202
0.001154435	2.21E-05	1.33E-06	0.012856202
0.003416667	2.44E-08	1.17E-05	0.011850977
0.00328	1.23E-07	1.08E-05	0.011850977
0.006354154	9.48E-05	4.04E-05	0.014011502
0.006118815	8.66E-05	3.74E-05	0.014011502
0.009227286	0.000129479	8.51E-05	0.014810207
0.008909103	0.000104418	7.94E-05	0.014810207
0.004088333	7.38E-06	1.67E-05	0.01275865
0.003873158	3.33E-06	1.50E-05	0.01275865
0.0038205	1.55E-06	1.46E-05	0.012726816
0.003638571	4.67E-06	1.32E-05	0.012726816
0.007373818	0.000182176	5.44E-05	0.015291843
0.007053217	0.000182215	4.97E-05	0.015291843
0.007365667	1.22E-06	5.43E-05	0.011997958
0.00707104	9.09E-08	5.00E-05	0.011997958
0.001897077	1.92E-05	3.60E-06	0.013095871
0.001826815	8.38E-06	3.34E-06	0.013095871
0.002781571	2.94E-06	7.74E-06	0.012863459
0.002685655	3.70E-06	7.21E-06	0.012863459
0.013911867	0.000328938	0.00019354	0.016880556
0.013463097	0.000285653	0.000181255	0.016880556
0.010734375	0.000188395	0.000115227	0.016286148
0.010409091	0.000164823	0.000108349	0.016286148
0.003925941	4.28E-05	1.54E-05	0.01474772
0.003813771	3.49E-05	1.45E-05	0.01474772
0.013441833	0.000226856	0.000180683	0.017206669
0.004154286	0.000225508	1.73E-05	0.017206669
0.006311	2.83E-05	3.98E-05	0.014696275
0.005609778	1.74E-05	3.15E-05	0.014696275
0.0026098	3.66E-05	6.81E-06	0.015293574
0.002372545	3.16E-05	5.63E-06	0.015293574
0.002177167	9.85E-05	4.74E-06	0.016388914
0.002009692	0.000106917	4.04E-06	0.016388914
0.009494857	8.05E-06	9.02E-05	0.013609134
0.008861867	2.88E-06	7.85E-05	0.013609134
0.005868	0.000147213	3.44E-05	0.017117586
0.005522824	0.000129109	3.05E-05	0.017117586
0.007356	0.000228234	5.41E-05	0.017682136
0.006968842	0.000196683	4.86E-05	0.017682136
0.0031574	8.81E-05	9.97E-06	0.016773149
0.003007048	7.90E-05	9.04E-06	0.016773149
0.000663364	4.06E-05	4.40E-07	0.016206357
0.000634522	3.83E-05	4.03E-07	0.016206357
0.004742917	5.36E-07	2.25E-05	0.014872581
0.0045532	7.93E-08	2.07E-05	0.014872581
0.008225077	9.04E-06	6.77E-05	0.013949073
0.007920444	8.35E-06	6.27E-05	0.013949073
0.007554429	0.000134123	5.71E-05	0.017768408
0.007293931	0.000116188	5.32E-05	0.017768408
0.0027628	3.33E-05	7.63E-06	0.01664363

0.002673677	2.82E-05	7.15E-06	0.01664363
0.008152875	2.54E-05	6.65E-05	0.013987129
0.007905818	1.61E-05	6.25E-05	0.013987129
0.004950706	6.81E-05	2.45E-05	0.017132504
0.004809257	4.45E-05	2.31E-05	0.017132504
0.001117667	1.13E-05	1.25E-06	0.016213742
0.001087459	8.04E-06	1.18E-06	0.016213742
0.013291158	0.000121696	0.000176655	0.012765202
0.012950359	9.46E-05	0.000167712	0.012765202
0.0063586	7.99E-06	4.04E-05	0.014220847
0.006203512	9.48E-06	3.85E-05	0.014220847
0.00217419	2.45E-05	4.73E-06	0.016251454
0.002123628	1.69E-05	4.51E-06	0.016251454
0.012434364	0.000196829	0.000154613	0.018999919
0.012158044	0.000177746	0.000147818	0.018999919
0.000170739	3.22E-06	2.92E-08	0.015905546
0.000167106	3.94E-06	2.79E-08	0.015905546
0.006470625	6.34E-05	4.19E-05	0.017536167
0.006338571	5.23E-05	4.02E-05	0.017536167
0.0144288	0.000227343	0.00020819	0.019779945
0.014145882	0.000205719	0.000200106	0.019779945
0.003231846	6.79E-06	1.04E-05	0.01689979
0.003170868	9.05E-06	1.01E-05	0.01689979
0.012532148	0.000158927	0.000157055	0.019437711
0.012304291	0.000162605	0.000151396	0.019437711
0.010138429	0.000101418	0.000102788	0.013734947
0.009960561	9.77E-05	9.92E-05	0.013734947
0.005993172	7.00E-05	3.59E-05	0.0176832
0.005891593	6.34E-05	3.47E-05	0.0176832
0.0009684	5.86E-06	9.38E-07	0.016423241
0.000952525	6.42E-06	9.07E-07	0.016423241
0.002145839	1.12E-06	4.60E-06	0.015642553
0.002111778	6.01E-07	4.46E-06	0.015642553
0.003437781	4.90E-06	1.18E-05	0.015304459
0.003384892	2.52E-06	1.15E-05	0.015304459
0.011696394	0.000168322	0.000136806	0.019249118
0.011521821	0.000139776	0.000132752	0.019249118
0.001481618	2.03E-07	2.20E-06	0.015852621
0.001460145	8.16E-07	2.13E-06	0.015852621
0.004439714	3.26E-05	1.97E-05	0.0173676
0.004377183	2.84E-05	1.92E-05	0.0173676
0.005849611	2.84E-05	3.42E-05	0.014791471
0.005769479	2.02E-05	3.33E-05	0.014791471
0.004667486	3.98E-05	2.18E-05	0.017418507
0.004605253	3.42E-05	2.12E-05	0.017418507
0.010835658	0.000126117	0.000117411	0.019118646
0.010694935	0.000117145	0.000114382	0.019118646
0.003250179	4.84E-06	1.06E-05	0.015490837
0.003209038	4.37E-06	1.03E-05	0.015490837
0.000945075	3.70E-06	8.93E-07	0.016531837
0.000933407	3.70E-06	8.71E-07	0.016531837
0.000955024	3.52E-06	9.12E-07	0.016540324
0.000943518	2.34E-06	8.90E-07	0.016540324
0.003489714	8.82E-06	1.22E-05	0.015422459
0.003448659	7.55E-06	1.19E-05	0.015422459
0.004828558	1.66E-05	2.33E-05	0.015071783
0.004773057	1.65E-05	2.28E-05	0.015071783
0.000563182	2.39E-06	3.17E-07	0.016396596
0.000556854	2.44E-06	3.10E-07	0.016396596
0.002332333	2.27E-06	5.44E-06	0.015666576
0.002306703	1.81E-06	5.32E-06	0.015666576
0.00958163	7.46E-05	9.18E-05	0.013892439
0.009478602	6.93E-05	8.98E-05	0.013892439
0.000606234	5.59E-06	3.68E-07	0.016345672
0.000599853	5.16E-06	3.60E-07	0.016345672
0.003631604	2.07E-05	1.32E-05	0.017131719
0.003594165	1.79E-05	1.29E-05	0.017131719
0.00385449	2.06E-05	1.49E-05	0.017209555
0.003815556	2.12E-05	1.46E-05	0.017209555
0.0014494	4.16E-06	2.10E-06	0.016604176
0.00143505	3.53E-06	2.06E-06	0.016604176
0.00987702	8.58E-05	9.76E-05	0.013820164

0.009781126	8.23E-05	9.57E-05	0.013820164
0.010098923	0.00012038	0.000101988	0.018863702
0.010002743	0.000104909	0.000100055	0.018863702
0.003286623	4.94E-06	1.08E-05	0.01541327
0.003255907	6.27E-06	1.06E-05	0.01541327
0.001817241	3.32E-06	3.30E-06	0.016690881
0.001800569	4.84E-06	3.24E-06	0.016690881
0.0019822	5.59E-06	3.93E-06	0.016742081
0.001964342	5.57E-06	3.86E-06	0.016742081
0.008687804	0.000100433	7.55E-05	0.018531974
0.00861092	7.95E-05	7.41E-05	0.018531974
0.005331386	4.08E-05	2.84E-05	0.017669904
0.005285026	3.77E-05	2.79E-05	0.017669904
0.001706466	3.36E-06	2.91E-06	0.016743116
0.00169188	3.39E-06	2.86E-06	0.016743116
0.014904542	0.000239366	0.000222145	0.02034109
0.014779294	0.000198528	0.000218428	0.02034109
0.018421133	0.000307263	0.000339338	0.02142921
0.018268893	0.000272306	0.000333752	0.02142921
0.002771148	1.01E-07	7.68E-06	0.01717127
0.002748618	1.22E-06	7.55E-06	0.01717127
0.001221452	3.45E-08	1.49E-06	0.016779107
0.00121168	4.50E-07	1.47E-06	0.016779107
0.007232063	4.54E-05	5.23E-05	0.01837765
0.007175118	4.22E-05	5.15E-05	0.01837765
0.004062062	1.03E-05	1.65E-05	0.017558156
0.004030574	1.07E-05	1.62E-05	0.017558156
0.015778569	0.000210691	0.000248963	0.020818505
0.015658122	0.000192753	0.000245177	0.020818505
0.0065355	3.05E-05	4.27E-05	0.018301272
0.006486361	2.88E-05	4.21E-05	0.018301272
0.014083955	0.000127179	0.000198358	0.020428468
0.01397963	0.000141403	0.00019543	0.020428468
0.003421838	1.01E-06	1.17E-05	0.017549147
0.003396861	1.41E-06	1.15E-05	0.017549147
0.007813246	4.11E-05	6.10E-05	0.018745496
0.007757036	3.64E-05	6.02E-05	0.018745496
0.006859629	1.73E-05	4.71E-05	0.018515641
0.006810979	1.63E-05	4.64E-05	0.018515641
0.029579014	0.000694984	0.000874918	0.025245458
0.029372168	0.000474948	0.000862724	0.025245458
0.009864194	5.15E-09	9.73E-05	0.019483747
0.009796166	1.02E-05	9.60E-05	0.019483747
0.014921068	4.95E-05	0.000222638	0.020960146
0.014819565	5.58E-05	0.000219619	0.020960146
0.018849432	0.000229152	0.000355301	0.022173054
0.018722926	0.000188691	0.000350548	0.022173054
0.017165107	7.57E-05	0.000294641	0.021748342
0.01705143	7.04E-05	0.000290751	0.021748342
0.01581125	5.69E-05	0.000249996	0.021416915
0.015707908	4.56E-05	0.000246738	0.021416915
0.006242909	7.32E-06	3.90E-05	0.018764121
0.006202632	4.86E-06	3.85E-05	0.018764121
0.016885872	8.38E-05	0.000285133	0.021816824
0.016778318	8.04E-05	0.000281512	0.021816824
0.030915127	0.000549144	0.000955745	0.026227217
0.030720692	0.00038424	0.000943761	0.026227217
0.015094687	4.46E-07	0.00022785	0.021466409
0.005700653	2.59E-06	3.25E-05	0.021466409
0.00653464	9.88E-06	4.27E-05	0.021745098
0.00640651	7.75E-06	4.10E-05	0.021745098
0.007042308	1.23E-05	4.96E-05	0.021969522
0.005825191	1.15E-05	3.39E-05	0.021969522
0.016916833	0.00029803	0.000286179	0.025419262
0.016571592	0.000209098	0.000274618	0.025419262
0.01625116	0.000156618	0.0002641	0.025422769
0.01593251	0.000126393	0.000253845	0.025422769
0.010816115	3.23E-05	0.000116988	0.023912043
0.010612038	2.23E-05	0.000112615	0.023912043
0.008173519	7.68E-06	6.68E-05	0.023223685
0.008024909	5.54E-06	6.44E-05	0.023223685
0.001996607	7.27E-06	3.99E-06	0.02146465

0.001961579	4.09E-06	3.85E-06	0.02146465
0.011175759	5.37E-05	0.000124898	0.024259991
0.010986339	4.35E-05	0.0001207	0.024259991
0.023491233	0.000358803	0.000551838	0.028373446
0.023106131	0.000291476	0.000533893	0.028373446
0.004031452	1.22E-05	1.63E-05	0.022422724
0.00396746	5.35E-06	1.57E-05	0.022422724
0.008472469	6.18E-06	7.18E-05	0.023811327
0.008342123	5.46E-06	6.96E-05	0.023811327
0.004923727	6.81E-07	2.42E-05	0.022806192
0.004850239	1.40E-07	2.35E-05	0.022806192
0.006239912	2.34E-06	3.89E-05	0.023249599
0.001245733	2.41E-06	1.55E-06	0.023249599
0.018037652	0.00031604	0.000325357	0.028661539
0.017653872	0.000206867	0.000311659	0.028661539
0.003903083	1.45E-08	1.52E-05	0.024309235
0.003823429	5.55E-07	1.46E-05	0.024309235
0.00162204	1.40E-05	2.63E-06	0.022663855
0.001590235	1.28E-05	2.53E-06	0.022663855
0.011015346	9.78E-05	0.000121338	0.026608197
0.010807509	7.87E-05	0.000116802	0.026608197
0.00099663	1.16E-05	9.93E-07	0.022957156
0.000978509	7.50E-06	9.57E-07	0.022957156
0.010838964	7.80E-05	0.000117483	0.026672179
0.010648807	6.74E-05	0.000113397	0.026672179
0.008860207	4.78E-05	7.85E-05	0.02615051
0.008710034	4.12E-05	7.59E-05	0.02615051
0.013833867	0.00012668	0.000191376	0.027882385
0.013607082	0.000100248	0.000185153	0.027882385
0.002859613	1.06E-06	8.18E-06	0.024477288
0.002814222	9.06E-07	7.92E-06	0.024477288
0.00716025	1.29E-05	5.13E-05	0.025870211
0.007050092	1.12E-05	4.97E-05	0.025870211
0.025945273	0.000489554	0.000673157	0.032343933
0.02555803	0.000355364	0.000653213	0.032343933
0.013214176	3.84E-05	0.000174614	0.028182416
0.013022667	4.04E-05	0.00016959	0.028182416
0.016823629	9.12E-05	0.000283034	0.029536957
0.0015976	7.62E-05	2.55E-06	0.029536957
0.019504333	0.000126721	0.000380419	0.023620675
0.011689882	9.87E-05	0.000136653	0.023620675
0.004159444	4.03E-06	1.73E-05	0.025783108
0.003940526	3.06E-06	1.55E-05	0.025783108
0.0070185	8.27E-05	4.93E-05	0.029355063
0.006684286	6.56E-05	4.47E-05	0.029355063
0.000361455	7.43E-07	1.31E-07	0.027328782
0.000345739	5.92E-07	1.20E-07	0.027328782
0.005581667	1.81E-05	3.12E-05	0.02540874
0.0053584	1.47E-05	2.87E-05	0.02540874
0.007096308	4.13E-05	5.04E-05	0.024792767
0.006833481	3.36E-05	4.67E-05	0.024792767
0.000619429	6.21E-07	3.84E-07	0.026708447
0.000598069	8.55E-08	3.58E-07	0.026708447
0.004520842	3.59E-05	2.04E-05	0.024677643
0.004404923	3.32E-05	1.94E-05	0.024677643
0.0052292	1.82E-05	2.73E-05	0.027760622
0.005101659	1.87E-05	2.60E-05	0.027760622
0.00064719	2.14E-07	4.19E-07	0.02633551
0.00063214	4.55E-11	4.00E-07	0.02633551
0.003351227	1.57E-05	1.12E-05	0.025063067
0.003276756	1.53E-05	1.07E-05	0.025063067
0.005538478	2.70E-05	3.07E-05	0.027908105
0.005420638	2.27E-05	2.94E-05	0.027908105
0.001804708	1.15E-06	3.26E-06	0.026749974
0.001767878	1.59E-06	3.13E-06	0.026749974
0.00233052	2.66E-06	5.43E-06	0.026945942
0.002284824	2.33E-06	5.22E-06	0.026945942
0.009486885	7.61E-05	9.00E-05	0.02937734
0.009307887	6.45E-05	8.66E-05	0.02937734
0.005675481	5.98E-05	3.22E-05	0.024519549
0.005572291	4.87E-05	3.11E-05	0.024519549
0.010187214	8.74E-05	0.000103779	0.029669095

0.010008491	6.12E-05	0.00010017	0.029669095
0.014488069	0.000281041	0.000209904	0.021881271
0.014242508	0.000156246	0.000202849	0.021881271
0.006408867	7.73E-05	4.11E-05	0.02833741
0.006303803	3.82E-05	3.97E-05	0.02833741
0.004074871	7.80E-06	1.66E-05	0.024983024
0.00401019	1.46E-05	1.61E-05	0.024983024
0.004097469	2.02E-05	1.68E-05	0.027590935
0.004034431	1.02E-05	1.63E-05	0.027590935
0.005463303	2.08E-05	2.98E-05	0.028088148
0.005381761	1.89E-05	2.90E-05	0.028088148
0.001036382	3.46E-06	1.07E-06	0.02600356
0.001021362	4.18E-06	1.04E-06	0.02600356
0.002142771	9.22E-06	4.59E-06	0.025638476
0.002112592	8.52E-06	4.46E-06	0.025638476
0.00994525	7.99E-05	9.89E-05	0.023182557
0.009809014	5.90E-05	9.62E-05	0.023182557
0.009884944	5.79E-05	9.77E-05	0.023471831
0.0024916	4.61E-05	6.21E-06	0.023471831
0.000292056	3.41E-06	8.53E-08	0.026693741
0.000288055	3.99E-06	8.30E-08	0.026693741
0.009097333	8.52E-07	8.28E-05	0.025672433
0.003599877	3.71E-07	1.30E-05	0.025672433
0.009332667	0.000130487	8.71E-05	0.029965061
0.009193373	0.000113226	8.45E-05	0.029965061
0.012923333	1.71E-05	0.000167013	0.026913122
0.008834182	1.09E-05	7.80E-05	0.026913122
0.00243	5.38E-05	5.90E-06	0.023569678
0.002243077	4.28E-05	5.03E-06	0.023569678
4.19E-05	1.24E-05	1.75E-09	0.024200529
3.91E-05	1.15E-05	1.53E-09	0.024200529
0.00023025	5.08E-06	5.30E-08	0.026936094
0.000226708	4.68E-06	5.14E-08	0.026936094
0.010739375	4.91E-05	0.000115334	0.027669392
0.010107647	4.14E-05	0.000102165	0.027669392
0.003643727	3.33E-05	1.33E-05	0.028220369
0.003589343	3.07E-05	1.29E-05	0.028220369
0.009846111	3.90E-05	9.69E-05	0.027769287
0.009327895	2.84E-05	8.70E-05	0.027769287
0.011087667	7.41E-05	0.000122936	0.028935436
0.01073	6.47E-05	0.000115133	0.028935436
0.0082635	7.25E-05	6.83E-05	0.029233542
0.008170652	5.96E-05	6.68E-05	0.029233542
0.006988867	4.13E-05	4.88E-05	0.028861658
0.006912066	3.54E-05	4.78E-05	0.028861658
0.008146065	9.91E-05	6.64E-05	0.023995309
0.008058473	7.55E-05	6.49E-05	0.023995309
0.003215745	6.57E-06	1.03E-05	0.025491696
0.003181895	6.64E-06	1.01E-05	0.025491696
0.00166725	4.78E-06	2.78E-06	0.027052747
0.001650062	5.42E-06	2.72E-06	0.027052747
0.001279776	5.28E-07	1.64E-06	0.026102988
0.001266848	5.29E-07	1.60E-06	0.026102988
0.00511282	3.26E-05	2.61E-05	0.028200885
0.005062198	2.83E-05	2.56E-05	0.028200885
0.000332569	2.31E-07	1.11E-07	0.026650952
0.00032934	1.40E-07	1.08E-07	0.026650952
0.000362173	1.60E-07	1.31E-07	0.026662707
0.000358724	1.01E-07	1.29E-07	0.026662707
0.00047734	2.39E-07	2.28E-07	0.026702564
0.000472879	3.14E-07	2.24E-07	0.026702564
0.0011045	1.30E-06	1.22E-06	0.026910825
0.001094367	9.27E-07	1.20E-06	0.026910825
0.008939582	8.26E-05	7.99E-05	0.023722528
0.008859045	7.33E-05	7.85E-05	0.023722528
0.011907054	0.000150259	0.000141778	0.030522952
0.011801681	0.000112809	0.00013928	0.030522952
0.002611842	1.76E-05	6.82E-06	0.02572758
0.00258913	1.28E-05	6.70E-06	0.02572758
0.01296719	0.000147703	0.000168148	0.030952136
0.012856359	0.000128438	0.000165286	0.030952136
0.004070407	2.64E-06	1.66E-05	0.027974299

0.004036202	3.28E-06	1.63E-05	0.027974299
0.013827567	0.000134373	0.000191202	0.031357394
0.013713289	0.000101474	0.000188054	0.031357394
0.005969333	8.30E-07	3.56E-05	0.028040572
0.003292364	8.94E-07	1.08E-05	0.028040572
0.004365	4.97E-05	1.91E-05	0.030567694
0.004029231	4.07E-05	1.62E-05	0.030567694
0.000237571	9.43E-06	5.64E-08	0.02919218
0.000221733	8.39E-06	4.92E-08	0.02919218
0.003452875	5.16E-07	1.19E-05	0.028093847
0.003249765	3.52E-07	1.06E-05	0.028093847
0.000755222	2.77E-06	5.70E-07	0.028874911
0.000715474	2.52E-06	5.12E-07	0.028874911
0.0066423	7.38E-05	4.41E-05	0.031416922
0.006326	5.77E-05	4.00E-05	0.031416922
0.000489455	2.20E-06	2.40E-07	0.029480613
0.000468174	1.46E-06	2.19E-07	0.029480613
0.0060466	4.34E-05	3.66E-05	0.026986339
0.00669632	3.49E-05	4.48E-05	0.026986339
0.007501769	3.96E-05	5.63E-05	0.02663822
0.007223926	3.61E-05	5.22E-05	0.02663822
0.007226071	7.10E-05	5.22E-05	0.031472247
0.006976897	6.68E-05	4.87E-05	0.031472247
0.0070205	2.34E-06	4.93E-05	0.029160409
0.000924148	1.77E-06	8.54E-07	0.029160409
0.000413857	5.69E-06	1.71E-07	0.029607807
0.000399586	5.08E-06	1.60E-07	0.029607807
0.004335267	3.71E-05	1.88E-05	0.030982404
0.004195419	3.16E-05	1.76E-05	0.030982404
0.007386687	3.87E-05	5.46E-05	0.027082361
0.007162848	2.71E-05	5.13E-05	0.027082361
0.006043	1.73E-05	3.65E-05	0.027552744
0.005848065	1.67E-05	3.42E-05	0.027552744
0.0075945	1.56E-05	5.77E-05	0.03003261
0.002030595	1.31E-05	4.12E-06	0.03003261
0.003742158	2.57E-05	1.40E-05	0.030647471
0.003646205	2.35E-05	1.33E-05	0.030647471
0.00689405	6.34E-05	4.75E-05	0.031827699
0.006725902	6.03E-05	4.52E-05	0.031827699
0.004472762	2.75E-05	2.00E-05	0.031085284
0.004368744	2.23E-05	1.91E-05	0.031085284
0.012654455	0.000163862	0.000160135	0.034112314
0.006945143	0.000138736	4.82E-05	0.034112314
0.009681	2.02E-05	9.37E-05	0.028539775
0.008605333	1.70E-05	7.41E-05	0.028539775
0.0027038	5.11E-06	7.31E-06	0.030268411
0.002458	2.49E-06	6.04E-06	0.030268411
0.008735286	2.59E-05	7.63E-05	0.027914788
0.008152933	2.29E-05	6.65E-05	0.027914788
0.009733375	5.49E-05	9.47E-05	0.027220774
0.007299429	3.94E-05	5.33E-05	0.027220774
0.0077015	2.28E-05	5.93E-05	0.030568044
0.001135053	1.68E-05	1.29E-06	0.030568044
0.0052857	5.84E-06	2.79E-05	0.028383216
0.005034	5.45E-06	2.53E-05	0.028383216
0.010213231	8.26E-05	0.00010431	0.032386391
0.006393217	6.45E-05	4.09E-05	0.032386391
0.002738167	5.89E-06	7.50E-06	0.029274249
0.00262864	2.66E-06	6.91E-06	0.029274249
0.006182538	2.20E-05	3.82E-05	0.028036888
0.005953556	1.94E-05	3.54E-05	0.028036888
0.012938286	0.000182546	0.000167399	0.034281705
0	0.000129885	0	0.034281705
0.011042	6.85E-07	0.000121926	0.030314707
0.007361333	2.91E-08	5.42E-05	0.030314707
0.010204	1.59E-05	0.000104122	0.028705912
0.004422848	1.07E-05	1.96E-05	0.028705912
0.013668765	0.000153925	0.000186835	0.025616704
0.009019684	0.000108901	8.14E-05	0.025616704
0.001601	3.48E-05	2.56E-06	0.026131755
0.001067333	3.48E-05	1.14E-06	0.026131755
0.0107845	1.39E-05	0.000116305	0.029459326

0.0086276	7.79E-06	7.44E-05	0.029459326
0.007392636	6.65E-05	5.47E-05	0.025816196
0.003234286	6.13E-05	1.05E-05	0.025816196
0.001973	7.22E-06	3.89E-06	0.027382701
0.001753778	8.34E-06	3.08E-06	0.027382701
0.0087734	2.20E-05	7.70E-05	0.029815686
0.006936133	1.71E-05	4.81E-05	0.029815686
0.008798138	0.000135733	7.74E-05	0.032927438
0.008649017	0.000122872	7.48E-05	0.032927438
0.006191571	8.04E-05	3.83E-05	0.026079405
0.005978069	6.52E-05	3.57E-05	0.026079405
0.008335806	4.60E-05	6.95E-05	0.026920997
0.003090774	3.78E-05	9.55E-06	0.026920997
0.004958188	3.76E-05	2.46E-05	0.026280363
0.004807939	3.66E-05	2.31E-05	0.026280363
0.002503471	2.66E-06	6.27E-06	0.028656461
0.002431943	1.80E-06	5.91E-06	0.028656461
0.002911389	3.00E-06	8.48E-06	0.028841955
0.002832703	2.25E-06	8.02E-06	0.028841955
0.004062158	6.92E-06	1.65E-05	0.029286569
0.003958	7.65E-06	1.57E-05	0.029286569
0.00745905	2.91E-05	5.56E-05	0.030531688
0.007277122	2.57E-05	5.30E-05	0.030531688
0.016764857	0.000209588	0.00028106	0.034001218
0.011982805	0.000186921	0.000143588	0.034001218
0.001392846	9.59E-06	1.94E-06	0.028154555
0.001341259	5.06E-06	1.80E-06	0.028154555
0.003267821	3.19E-06	1.07E-05	0.028661539
0.003226456	3.95E-06	1.04E-05	0.028661539
0.011792357	6.65E-05	0.00013906	0.031788106
0.005923506	5.31E-05	3.51E-05	0.031788106
0.004818583	3.47E-07	2.32E-05	0.029230465
0.00462584	4.35E-07	2.14E-05	0.029230465
0.007898077	0.000132728	6.24E-05	0.025161317
0.007605556	0.000116639	5.78E-05	0.025161317
0.006332071	1.30E-05	4.01E-05	0.029683566
0.006113724	8.78E-06	3.74E-05	0.029683566
0.010952933	6.50E-05	0.000119967	0.031446706
0.010599613	5.60E-05	0.000112352	0.031446706
0.013805625	0.000306498	0.000190595	0.023488073
0.013387273	0.000174501	0.000179219	0.023488073
0.006646529	4.43E-05	4.42E-05	0.025473817
0.006456629	3.55E-05	4.17E-05	0.025473817
0.001065278	1.73E-06	1.13E-06	0.027164707
0.001036486	3.37E-06	1.07E-06	0.027164707
0.001277789	4.06E-08	1.63E-06	0.027923811
0.001245026	2.75E-08	1.55E-06	0.027923811
0.0082001	8.93E-05	6.72E-05	0.024866197
0.008000098	7.37E-05	6.40E-05	0.024866197
0.014996619	0.000221824	0.000224899	0.022651211
0.01464786	0.000192865	0.00021456	0.022651211
0.004057045	1.47E-05	1.65E-05	0.028518831
0.003966889	1.00E-05	1.57E-05	0.028518831
0.006860348	2.64E-05	4.71E-05	0.025006423
0.006714383	1.76E-05	4.51E-05	0.025006423
0.0112345	8.09E-05	0.000126214	0.023554328
0.011005224	7.25E-05	0.000121115	0.023554328
0.005311667	5.64E-07	2.82E-05	0.027088285
0.00031949	1.03E-06	1.02E-07	0.027088285
0.007212654	2.06E-05	5.20E-05	0.02466759
0.002614762	2.53E-05	6.84E-06	0.02466759
0.008555091	7.02E-06	7.32E-05	0.028261037
0.00818313	8.48E-06	6.70E-05	0.028261037
0.008387143	4.66E-05	7.03E-05	0.024262484
0.001162182	4.20E-05	1.35E-06	0.024262484
0.004708667	0.000118834	2.22E-05	0.022497058
0.004346462	8.85E-05	1.89E-05	0.022497058
0.0010225	9.95E-05	1.05E-06	0.02226786
0.000818	7.95E-05	6.69E-07	0.02226786
0.006881667	0.000192325	4.74E-05	0.02045592
0.005898571	0.000146045	3.48E-05	0.02045592
0.0177478	0.000281177	0.000314984	0.018986137

0.003489333	0.000213611	1.22E-05	0.018986137
0.008094	9.87E-07	6.55E-05	0.022052604
0.0064752	2.79E-07	4.19E-05	0.022052604
0.01035	4.14E-06	0.000107122	0.023548496
0.007044727	5.86E-06	4.96E-05	0.023548496
0.004224333	4.69E-05	1.78E-05	0.020384184
0.003899385	3.60E-05	1.52E-05	0.020384184
0.012368857	0.000204534	0.000152989	0.017962752
0.010076	0.000151671	0.000101526	0.017962752
0.017574333	0.00035477	0.000308857	0.01579727
0.005558667	0.000253652	3.09E-05	0.01579727
0.014192	3.63E-05	0.000201413	0.020749882
0.0113536	2.81E-05	0.000128904	0.020749882
0.00217725	3.28E-05	4.74E-06	0.018078468
0.001935333	2.30E-05	3.75E-06	0.018078468
0.0002428	8.19E-06	5.90E-08	0.018483814
0.000220727	3.50E-06	4.87E-08	0.018483814
0.009016333	0.00021345	8.13E-05	0.016164883
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0.00891	4.13E-05	7.94E-05	0.016703803
0.007637143	3.43E-05	5.83E-05	0.016703803
0.0140995	0.000152096	0.000198796	0.014841621
0.0050928	0.000107045	2.59E-05	0.014841621
0.011402	0.000275117	0.000130006	0.013148794
0.004772	0.000172675	2.28E-05	0.013148794
0.013415	3.25E-05	0.000179962	0.017334933
0.002776	2.53E-05	7.71E-06	0.017334933
0.003064	2.41E-06	9.39E-06	0.016376882
0.002785455	1.70E-06	7.76E-06	0.016376882
0.005474333	1.57E-05	3.00E-05	0.017133028
0.005053231	1.30E-05	2.55E-05	0.017133028
0.014583714	0.000268379	0.000212685	0.012458398
0	0.000202637	0	0.012458398
0.003304	8.59E-05	1.09E-05	0.01320688
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0.006827286	6.35E-05	4.66E-05	0.0176965
0.006372133	3.71E-05	4.06E-05	0.0176965
0.019581	0.000816614	0.000383416	0.008777477
0.0156648	0.000512539	0.000245386	0.008777477
0.017245	4.15E-05	0.00029739	0.012306173
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0.013978	0.000161861	0.000195384	0.009790943
0.003507333	8.43E-05	1.23E-05	0.009790943
0.0188045	7.61E-05	0.000353609	0.013253349
0.0017568	4.89E-05	3.09E-06	0.013253349
0.002424	4.57E-05	5.88E-06	0.013475308
0.002077714	3.17E-05	4.32E-06	0.013475308
0.006357889	4.39E-07	4.04E-05	0.014156524
0.006023263	1.50E-07	3.63E-05	0.014156524
0.008705	5.62E-05	7.58E-05	0.011142954
0.007737778	3.53E-05	5.99E-05	0.011142954
0.003724	2.80E-05	1.39E-05	0.013513642
0.003385455	2.43E-05	1.15E-05	0.013513642
0.0016415	0.000116527	2.69E-06	0.009596199
0.0013132	9.58E-05	1.72E-06	0.009596199
0.007562333	6.09E-06	5.72E-05	0.010905247
0.006482	2.50E-06	4.20E-05	0.010905247
0.018031667	0.000213044	0.000325141	0.009046519
0.003238444	0.000129348	1.05E-05	0.009046519
0.0011254	2.76E-05	1.27E-06	0.009831356
0.001023091	1.81E-05	1.05E-06	0.009831356
0.009063167	0.000196617	8.21E-05	0.007948113
0.008366	0.000159849	7.00E-05	0.007948113
0.006813429	0.000106012	4.64E-05	0.008119306
0.0063592	8.52E-05	4.04E-05	0.008119306
0.010190333	0.00031582	0.000103843	0.006527378
0.008734571	0.000262759	7.63E-05	0.006527378
0.000366333	7.58E-05	1.34E-07	0.007577736
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0.018091167	0.000216665	0.00032729	0.006419886
0.005912222	0.000166371	3.50E-05	0.006419886
0.002435	6.65E-05	5.93E-06	0.006890692

0.002213636	4.83E-05	4.90E-06	0.006890692
0.010579167	0.000215436	0.000111919	0.00554432
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0.007482857	9.32E-05	5.60E-05	0.005782871
0.004583818	7.34E-05	2.10E-05	0.005782871
0.002229833	2.58E-05	4.97E-06	0.006086682
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0.004133714	6.05E-06	1.71E-05	0.007066452
0.003858133	5.71E-06	1.49E-05	0.007066452
0.019744	0.00046061	0.000389826	0.003684635
0.018582588	0.000287557	0.000345313	0.003684635
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0.018906842	0.000132461	0.000357469	0.003398213
0.0218945	0.00016635	0.000479369	0.002955139
0.020851905	7.04E-05	0.000434802	0.002955139
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9.71E-05	1.55E-05	9.44E-09	0.003326082
0.008122	2.22E-05	6.60E-05	0.004340068
0.007219556	1.99E-05	5.21E-05	0.004340068
0.0053994	6.00E-05	2.92E-05	0.002914077
0.004908545	5.01E-05	2.41E-05	0.002914077
0.0215985	0.00053938	0.000466495	0.00136037
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0.016379	0.000278219	0.000268272	0.001522341
0.015287067	0.000239606	0.000233694	0.001522341
0.008446	5.29E-06	7.13E-05	0.002152607
0.0067568	3.19E-06	4.57E-05	0.002152607
0.007139667	1.02E-05	5.10E-05	0.002294907
0.006119714	8.66E-06	3.75E-05	0.002294907
0.00371275	1.05E-05	1.38E-05	0.002140283
0.003300222	8.11E-06	1.09E-05	0.002140283
0.0038438	0.000115695	1.48E-05	0.001556239
0.003494364	8.04E-05	1.22E-05	0.001556239
0.007091167	8.71E-05	5.03E-05	0.001264598
0.006545692	5.80E-05	4.28E-05	0.001264598
0.006009143	5.15E-05	3.61E-05	0.001269511
0.005608533	4.23E-05	3.15E-05	0.001269511
0.007827	0.000152454	6.13E-05	0.001093042
0.007366588	8.52E-05	5.43E-05	0.001093042
0.007038333	5.92E-05	4.95E-05	0.001087693
0.006667895	4.91E-05	4.45E-05	0.001087693
0.0012205	4.64E-05	1.49E-06	0.001451167
0.001162381	2.44E-05	1.35E-06	0.001451167
0.016598545	0.000274564	0.000275512	0.000510995
0.01587687	0.000183193	0.000252075	0.000510995
0.0143575	0.000246621	0.000206138	0.000347121
0.002649333	0.000182731	7.02E-06	0.000347121
0.006173	0.000240148	3.81E-05	0.000208664
0.002790667	0.000192789	7.79E-06	0.000208664
0.005348	0.000159156	2.86E-05	0.00039177
0.001874667	9.36E-05	3.51E-06	0.00039177
0.002594	6.48E-05	6.73E-06	0.00019444
0.0020752	5.28E-05	4.31E-06	0.00019444
0.008070333	0.000152316	6.51E-05	5.78085E-05
0.006917429	0.000107507	4.79E-05	5.78085E-05
0.010445	5.02E-05	0.000109098	0.000325737
0.0025208	2.44E-06	6.35E-06	0.000325737
0.020378667	0.000294738	0.00041529	5.28116E-08
0	0.000231197	0	5.28116E-08
0.010831	9.41E-06	0.000117311	0.000112385
0.007220667	4.75E-06	5.21E-05	0.000112385
0.0052535	0.000154654	2.76E-05	4.5979E-09
0.0042028	0.000124226	1.77E-05	4.5979E-09
0.004924333	0.000138159	2.42E-05	2.21953E-06
0.004220857	0.00011683	1.78E-05	2.21953E-06
0.00114425	9.12E-05	1.31E-06	1.12189E-06
0.001017111	6.86E-05	1.03E-06	1.12189E-06
0.0056024	0.000151503	3.14E-05	1.3161E-05
0.005093091	0.000109558	2.59E-05	1.3161E-05
0.015413667	0.00035522	0.000237581	0.000206578
0.014228	0.000259446	0.000202436	0.000206578
0.007003	0.000117786	4.90E-05	0.00011455

0.006366364	7.95E-05	4.05E-05	0.00011455
0.006797	5.92E-06	4.62E-05	3.29569E-05
0.0054376	2.98E-06	2.96E-05	3.29569E-05
0.012260667	0.000322595	0.000150324	0.000507727
0.010509143	0.000243838	0.000110442	0.000507727
0.0021115	5.64E-06	4.46E-06	0.000126019
0.001876889	2.30E-06	3.52E-06	0.000126019
0.0122858	0.000234562	0.000150941	0.000635081
0.011168909	0.000177824	0.000124745	0.000635081
0.028105167	0.00083353	0.0007899	0.001854836
0.011911333	0.00059877	0.00014188	0.001854836
0.026161167	0.000345602	0.000684407	0.001691168
0.001296	0.000144949	1.68E-06	0.001691168
0.00876	1.23E-08	7.67E-05	0.001111276
0.007008	1.25E-07	4.91E-05	0.001111276
0.001454	2.44E-05	2.11E-06	0.001422935
0.001246286	1.59E-05	1.55E-06	0.001422935
0.0077145	1.10E-05	5.95E-05	0.000967074
0.006857333	1.04E-05	4.70E-05	0.000967074
0.0024714	2.85E-05	6.11E-06	0.001579332
0.002246727	2.00E-05	5.05E-06	0.001579332
0.0085525	0.000109813	7.31E-05	0.002137565
0.007894615	8.06E-05	6.23E-05	0.002137565
0.010253714	0.000119932	0.000105139	0.002416392
0.009570133	7.31E-05	9.16E-05	0.002416392
0.0013425	5.71E-05	1.80E-06	0.002404707
0.001074	3.64E-05	1.15E-06	0.002404707
0.00357	5.34E-05	1.27E-05	0.002674214
0.00306	3.35E-05	9.36E-06	0.002674214
0.0137385	0.000269978	0.000188746	0.003940551
0.012212	0.00019494	0.000149133	0.003940551
0.0152028	0.000275513	0.000231125	0.004487098
0.013820727	0.000162653	0.000191013	0.004487098
0.003905	0.00016033	1.52E-05	0.00473135
0.003124	9.83E-05	9.76E-06	0.00473135
0.006691333	0.00013917	4.48E-05	0.005310446
0.005735429	8.93E-05	3.29E-05	0.005310446
0.0046005	6.01E-05	2.12E-05	0.005249699
0.004089333	4.85E-05	1.67E-05	0.005249699
0.0096484	0.000149874	9.31E-05	0.006150137
0.008771273	0.000103998	7.69E-05	0.006150137
0.003180667	6.97E-06	1.01E-05	0.004516083
0.002936	5.37E-06	8.62E-06	0.004516083
0.008334714	7.40E-05	6.95E-05	0.006125067
0.007779067	4.99E-05	6.05E-05	0.006125067
0.010970875	0.000126573	0.00012036	0.006714296
0.010325529	7.39E-05	0.000106617	0.006714296
0.004345833	1.52E-05	1.89E-05	0.00501927
0.004011538	1.22E-05	1.61E-05	0.00501927
0.008313	7.42E-05	6.91E-05	0.006869891
0.0077588	5.06E-05	6.02E-05	0.006869891
0.025425875	0.000604611	0.000646475	0.010208437
0	0.000378422	0	0.010208437
0.000853	0.000161565	7.28E-07	0.010036795
0.000568667	8.05E-05	3.23E-07	0.010036795
0.007870545	3.75E-05	6.19E-05	0.006546397
0.007528348	1.37E-05	5.67E-05	0.006546397
0.0110825	6.26E-07	0.000122822	0.008015228
0.008866	2.91E-07	7.86E-05	0.008015228
0.016293667	3.37E-05	0.000265484	0.008097986
0.000836182	1.55E-05	6.99E-07	0.008097986
0.0064895	3.79E-05	4.21E-05	0.007100726
0.005990308	2.86E-05	3.59E-05	0.007100726
0.0105301	2.09E-07	0.000110883	0.00682025
0.006760533	1.08E-06	4.57E-05	0.00682025
0.00814	0.000115295	6.63E-05	0.009421189
0.007661176	8.29E-05	5.87E-05	0.009421189
0.012363556	0.000161203	0.000152858	0.010442961
0.011712842	0.000141892	0.000137191	0.010442961
0.0184342	0.000343414	0.00033982	0.01198977
0.016571474	0.000283647	0.000274614	0.01198977
0.0085219	5.42E-05	7.26E-05	0.010460545

0.008116095	4.85E-05	6.59E-05	0.010460545
0.005738818	1.47E-05	3.29E-05	0.007883808
0.005489304	1.23E-05	3.01E-05	0.007883808
0.012874417	0.000142929	0.000165751	0.011433128
0.01235944	0.000122102	0.000152756	0.011433128
0.017875077	0.000255933	0.000319518	0.012750205
0.017213037	0.000207449	0.000296289	0.012750205
0.002429286	2.75E-06	5.90E-06	0.00975113
0.002345517	1.96E-06	5.50E-06	0.00975113
0.025644333	0.000473504	0.000657632	0.014914469
0.020350286	0.000375364	0.000414134	0.014914469
0.014570273	0.000159241	0.000212293	0.013752208
0.013936783	0.00012014	0.000194234	0.013752208
0.001146083	3.43E-06	1.31E-06	0.011037563
0.00110024	3.06E-06	1.21E-06	0.011037563
0.013237923	9.43E-05	0.000175243	0.013745173
0.01274763	7.48E-05	0.000162502	0.013745173
0.010874429	1.71E-05	0.000118253	0.010119315
0.005602444	1.86E-05	3.14E-05	0.010119315
0.0055765	2.00E-06	3.11E-05	0.011496945
0.005147538	2.03E-06	2.65E-05	0.011496945
0.018698143	0.000461166	0.000349621	0.017082963
0.0174516	0.000282132	0.000304558	0.017082963
0.007937875	1.62E-05	6.30E-05	0.014952107
0.007470941	9.00E-06	5.58E-05	0.014952107
0.007652111	0.000139981	5.86E-05	0.011571479
0.007249368	8.54E-05	5.26E-05	0.011571479
0.0082431	3.71E-05	6.79E-05	0.015055488
0.007850571	2.42E-05	6.16E-05	0.015055488
0.013188727	9.92E-05	0.000173943	0.016485483
0.007347385	8.10E-05	5.40E-05	0.016485483
0.005817429	2.21E-05	3.38E-05	0.013399407
0.0054296	1.83E-05	2.95E-05	0.013399407
0.00018725	2.04E-06	3.51E-08	0.014558548
0.000176235	3.47E-07	3.11E-08	0.014558548
0.008221556	7.42E-05	6.76E-05	0.016653079
0.007788842	7.02E-05	6.07E-05	0.016653079
0.0025674	9.83E-06	6.59E-06	0.015429318
0.002445143	7.92E-06	5.98E-06	0.015429318
0.010469	0.000115529	0.0001096	0.017516472
0.010013826	9.95E-05	0.000100277	0.017516472
0.003747417	1.98E-05	1.40E-05	0.014162382
0.00359752	1.60E-05	1.29E-05	0.014162382
0.011473846	0.000107735	0.000131649	0.017939604
0.011048889	9.42E-05	0.000122078	0.017939604
0.012206286	0.000114758	0.000148993	0.018357759
0.01036816	0.000103373	0.000107499	0.018357759
0.002306615	4.62E-07	5.32E-06	0.015181889
0.002221185	5.40E-07	4.93E-06	0.015181889
0.002637143	3.95E-06	6.95E-06	0.016382415
0.002546207	3.58E-06	6.48E-06	0.016382415
0.005273667	3.48E-05	2.78E-05	0.014462181
0.005103548	1.72E-05	2.60E-05	0.014462181
0.006333937	3.03E-05	4.01E-05	0.017301932
0.006142	2.83E-05	3.77E-05	0.017301932
0.010241647	7.57E-05	0.000104891	0.013301887
0.009949029	7.35E-05	9.90E-05	0.013301887
0.004943333	1.53E-05	2.44E-05	0.016886953
0.00480973	1.45E-05	2.31E-05	0.016886953
0.001920111	8.43E-06	3.69E-06	0.016673216
0.001819053	8.04E-06	3.31E-06	0.016673216
0.0040061	2.39E-07	1.60E-05	0.016090113
0.003815333	2.88E-07	1.46E-05	0.016090113
0.007457909	1.14E-05	5.56E-05	0.01513658
0.007133652	1.01E-05	5.09E-05	0.01513658
0.007252417	1.33E-05	5.26E-05	0.015034391
0.00696232	1.18E-05	4.85E-05	0.015034391
0.000380462	1.48E-05	1.45E-07	0.016819446
0.00036637	1.32E-05	1.34E-07	0.016819446
0.010783714	5.98E-05	0.000116288	0.014054768
0.010411862	5.74E-05	0.000108407	0.014054768
0.0027152	3.10E-05	7.37E-06	0.017248306

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0.013272294	0.000119912	0.000176154	0.013272148
0.012893086	0.000111432	0.000166232	0.013272148
0.002159778	5.71E-06	4.66E-06	0.015160211
0.002120509	5.51E-06	4.50E-06	0.015160211
0.003789357	1.27E-05	1.44E-05	0.016640692
0.003722877	1.28E-05	1.39E-05	0.016640692
0.00512631	2.78E-05	2.63E-05	0.01445136
0.005039424	2.66E-05	2.54E-05	0.01445136
0.004784567	2.22E-05	2.29E-05	0.016887992
0.004706131	2.09E-05	2.21E-05	0.016887992
0.001689774	3.80E-06	2.86E-06	0.015285318
0.001662952	3.36E-06	2.77E-06	0.015285318
0.004226969	1.96E-05	1.79E-05	0.014651603
0.004161938	1.86E-05	1.73E-05	0.014651603
0.002938121	7.74E-06	8.63E-06	0.016404693
0.002894269	7.52E-06	8.38E-06	0.016404693
0.002704706	6.33E-06	7.32E-06	0.016367059
0.002665507	5.96E-06	7.10E-06	0.016367059
0.003578571	1.46E-05	1.28E-05	0.014817659
0.003528169	1.43E-05	1.24E-05	0.014817659
0.013927167	0.00020059	0.000193966	0.012383196
0.013736384	0.000195137	0.000188688	0.012383196
0.025486757	0.00065557	0.000649575	0.009869192
0.025146933	0.000589869	0.000632368	0.009869192
0.013518053	0.000149665	0.000182738	0.01224161
0.013342494	0.000128835	0.000178022	0.01224161
0.015168436	0.000159009	0.000230081	0.011803694
0.01497643	0.000154453	0.000224293	0.011803694
0.024559146	0.000501431	0.000603152	0.00974639
0.007781111	0.000472099	6.05E-05	0.00974639
0.004424	0.000303308	1.96E-05	0.010262259
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0.012553957	4.52E-05	0.000157602	0.011814779
0.012421811	4.02E-05	0.000154301	0.011814779
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0.00251	7.28E-06	6.30E-06	0.006699882
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0.0082207	0.000224363	6.76E-05	0.003869314
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0.021928571	0.001012166	0.000480862	0.001649075
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0.003244	0.000207306	1.05E-05	0.002859769
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0.006965	0.000168776	4.85E-05	0.002297458
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0.0172742	0.001321909	0.000298398	0.00011361
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0.006892818	0.000298642	4.75E-05	0.000379073
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0.02728975	0.006350342	0.00074473	1.57307E-05
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0.001864609	0.000484588	3.48E-06	0.000199228
0.005299917	0.000584238	2.81E-05	0.000112398
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0.003176231	0.00045772	1.01E-05	0.000151728
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0.007925357	0.000687259	6.28E-05	5.39021E-05
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0.008185161	0.000380899	6.70E-05	3.94485E-05
0.019127375	0.004153789	0.000365856	2.41788E-05
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0.025802833	0.00199198	0.000665786	0.000204067
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0.018860789	0.000841068	0.000355729	7.57107E-05
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0.03378575	0.002822267	0.001141477	0.000603645
0.032961707	0.00163512	0.001086474	0.000603645
0.039332905	0.002262718	0.001547077	0.001006488
0.038418186	0.001574547	0.001475957	0.001006488
0.030533045	0.00163742	0.000932267	0.000610742
0.029854533	0.001102906	0.000891293	0.000610742
0.011118333	0.000710829	0.000123617	0.000252308
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0.01200975	0.000316091	0.000144234	0.000149162
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0.0074352	0.001151165	5.53E-05	0.000855925
0.006759273	0.001196897	4.57E-05	0.000855925
0.006837	0.000376999	4.67E-05	0.000263192
0.006311077	0.000352274	3.98E-05	0.000263192
0.008291714	0.001111165	6.88E-05	0.000922652
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0.011295556	0.00126869	0.00012759	0.001272006
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0.007359	0.001003649	5.42E-05	0.001079661
0.007008571	0.000624029	4.91E-05	0.001079661
0.014709	0.001177108	0.000216355	0.001670945
0.006720667	0.000952142	4.52E-05	0.001670945
0.0022524	0.000458127	5.07E-06	0.001061208
0.002047636	0.000445152	4.19E-06	0.001061208
0.000917	0.000433075	8.41E-07	0.001124676
0.000846462	0.000380458	7.16E-07	0.001124676
0.011376	0.000881449	0.000129413	0.002088325
0.0106176	0.000785708	0.000112733	0.002088325
0.017779	0.003240843	0.000316093	0.002864732
0.016733176	0.002217552	0.000279999	0.002864732
0.006771556	0.000866869	4.59E-05	0.001979466
0.006415158	0.000766353	4.12E-05	0.001979466
0.0174294	0.001739666	0.000303784	0.003116564
0.016599429	0.001432983	0.000275541	0.003116564
0.018699909	0.003545914	0.000349687	0.003443482
0.016894571	0.002640573	0.000285427	0.003443482
0.003765636	0.000780604	1.42E-05	0.00214556
0.003601913	0.000673477	1.30E-05	0.00214556
0.007203833	0.001713779	5.19E-05	0.002507224
0.00691568	0.001475938	4.78E-05	0.002507224
0.012767692	0.001224273	0.000163014	0.003157338
0.005162533	0.001098932	2.67E-05	0.003157338
0.020247875	0.002227003	0.000409976	0.005126301
0.019056824	0.001979961	0.000363163	0.005126301
0.004865111	0.001021859	2.37E-05	0.003418179
0.004609053	0.000864819	2.12E-05	0.003418179
0.0126686	0.002587867	0.000160493	0.004456256
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0.015445909	0.002843798	0.000238576	0.004996255
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0.00241575	0.001279923	5.84E-06	0.003474064
0.00231912	0.001399967	5.38E-06	0.003474064
0.003689923	0.001097036	1.36E-05	0.003648304
0.003553259	0.001046379	1.26E-05	0.003648304
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0.018793467	0.002238074	0.000353194	0.005851208
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0.014658875	0.002063097	0.000214883	0.00540713
0.014214667	0.001969326	0.000202057	0.00540713
0.009364588	0.001824563	8.77E-05	0.004774975
0.006593586	0.001442001	4.35E-05	0.004774975
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0.002206067	0.001465215	4.87E-06	0.005012526
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0.012134813	0.001395026	0.000147254	0.006798859
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0.011971842	0.001655922	0.000143325	0.007138086
0.007954593	0.001477355	6.33E-05	0.007138086
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0.004742	0.00205502	2.25E-05	0.006778755
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0.001012162	0.001397072	1.02E-06	0.00620364
0.001783526	0.000807239	3.18E-06	0.006329983
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0.003956524	0.000733613	1.57E-05	0.00530817
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0.007837111	0.000131902	6.14E-05	0.183814393
0.0301544	0.001023437	0.000909288	0.204156501
0.0182308	0.000783904	0.000332362	0.204156501
0.009270667	1.30E-06	8.59E-05	0.182648372
0.007946286	2.60E-06	6.31E-05	0.182648372
0.0034	7.08E-05	1.16E-05	0.191604758
0.003022222	5.04E-05	9.13E-06	0.191604758
0.021337	0.000603948	0.000455268	0.208249671
0.014884	0.000278938	0.000221533	0.208249671
0.0032025	8.32E-05	1.03E-05	0.199382618
0.002846667	3.76E-05	8.10E-06	0.199382618
0.014365	0.000177013	0.000206353	0.210062546
0.005514	0.00011869	3.04E-05	0.210062546
0.006584	0.000120262	4.33E-05	0.211889722
0.005643429	8.41E-05	3.18E-05	0.211889722
0.005515	4.96E-05	3.04E-05	0.212421259
0.002197429	3.32E-05	4.83E-06	0.212421259
0.01421075	0.000282587	0.000201945	0.223899131
0.012631778	0.000233377	0.000159562	0.223899131
0.0012404	1.93E-08	1.54E-06	0.212125469
0.001127636	6.90E-07	1.27E-06	0.212125469
0.0110875	0.000256267	0.000122933	0.228448446
0.00887	0.000179069	7.87E-05	0.228448446
0.026378	0.00040651	0.000695799	0.237119141
0	0.000198383	0	0.237119141
0.020973	0.000619351	0.000439867	0.24893694
0	0.00036114	0	0.24893694
0.002553	0.000280991	6.52E-06	0.251491024
0.001702	0.000184193	2.90E-06	0.251491024
0.0143465	3.88E-05	0.000205822	0.236065583
0.0114772	3.64E-05	0.000131726	0.236065583
0.000919667	2.36E-05	8.46E-07	0.246363132
0.000788286	2.35E-05	6.21E-07	0.246363132
0.00686425	1.13E-05	4.71E-05	0.238921342
0.0018496	1.22E-05	3.42E-06	0.238921342
0.0064465	1.51E-06	4.16E-05	0.243804673
0.002938857	1.57E-06	8.64E-06	0.243804673
0.0198525	0.000353455	0.000394122	0.26116884
0	0.000140679	0	0.26116884
0.0143975	7.22E-05	0.000207288	0.25867173
0	4.50E-06	0	0.25867173
0.015765	0.0003622	0.000248535	0.277530681
0	0.000208798	0	0.277530681
0.0022085	4.13E-05	4.88E-06	0.257671778
0.0017668	3.78E-05	3.12E-06	0.257671778
0.016693	1.35E-05	0.000278656	0.260221198
0.000885143	8.66E-06	7.83E-07	0.260221198
0.00106	0.000225241	1.12E-06	0.278648645

0.000706667	0.00013926	4.99E-07	0.278648645
0.009579	1.38E-06	9.18E-05	0.268078325
0.0076632	9.66E-07	5.87E-05	0.268078325
0.006051	1.83E-06	3.66E-05	0.268425338
0.005186571	2.76E-06	2.69E-05	0.268425338
0.01893375	0.000467814	0.000358487	0.293297857
0.01683	0.000206014	0.000283249	0.293297857
0.0033605	9.55E-05	1.13E-05	0.26286622
0.002987111	4.95E-05	8.92E-06	0.26286622
0.011098	0.000156767	0.000123166	0.288928619
0.002699333	7.83E-05	7.29E-06	0.288928619
0.0070135	3.84E-06	4.92E-05	0.283590126
0.0056108	1.44E-06	3.15E-05	0.283590126
0.010478667	2.67E-05	0.000109802	0.277443237
0.008981714	2.48E-05	8.07E-05	0.277443237
0.008547	2.64E-05	7.31E-05	0.276718931
0.007597333	2.05E-05	5.77E-05	0.276718931
0.0019686	1.19E-07	3.88E-06	0.281865224
0.001789636	1.52E-07	3.20E-06	0.281865224
0.0030405	2.21E-05	9.24E-06	0.286857513
0.002806615	1.51E-05	7.88E-06	0.286857513
0.007696857	3.92E-05	5.92E-05	0.275927281
0.007183733	2.95E-05	5.16E-05	0.275927281
0.00396125	3.51E-05	1.57E-05	0.287278642
0.003728235	2.66E-05	1.39E-05	0.287278642
0.001129889	2.51E-10	1.28E-06	0.282314553
0.001070421	3.14E-09	1.15E-06	0.282314553
0.0168021	0.000313432	0.000282311	0.301567708
0.016002	0.00012566	0.000256064	0.301567708
0.003930636	4.35E-05	1.54E-05	0.289237238
0.003759739	2.47E-05	1.41E-05	0.289237238
0.000688083	2.95E-06	4.73E-07	0.286110316
0.00066056	1.75E-06	4.36E-07	0.286110316
0.016025154	9.71E-05	0.000256806	0.302811169
0.000754	4.52E-05	5.69E-07	0.302811169
0.004063	0.000120474	1.65E-05	0.28488352
0.002708667	8.44E-05	7.34E-06	0.28488352
0.0015535	5.03E-05	2.41E-06	0.285394008
0.007576889	3.88E-05	5.74E-05	0.285394008
0.0001648	2.41E-06	2.72E-08	0.292904809
0.000149818	7.18E-07	2.24E-08	0.292904809
0.0132908	0.000122646	0.000176645	0.279854551