

DIELECTRIC COMMUNICATIONS

DASA -- Version March 15

2006 Ver 3

Title:

Name: CURRENT

Start Frequency = 719MHz

Stop Frequency = 735MHz

Date: 10/15/2007

Time: 8:43:27 AM

Frequency	VSWR	Magnitude	Phase
719	53.9988	-0.3217	37.783
719.01	53.9362	-0.3221	36.402
719.02	53.7916	-0.323	35.051
719.03	53.6887	-0.3236	33.695
719.04	54.394	-0.3194	32.353
719.05	53.6331	-0.3239	30.977
719.06	53.8916	-0.3224	29.642
719.07	55.1303	-0.3151	28.198
719.08	53.5498	-0.3244	26.88
719.09	54.0793	-0.3213	25.559
719.1	53.4725	-0.3249	24.178
719.11	53.8597	-0.3226	22.802
719.12	54.3385	-0.3197	21.431
719.13	54.5724	-0.3184	20.062
719.14	53.4756	-0.3249	18.715
719.15	54.3895	-0.3194	17.348
719.16	53.5856	-0.3242	15.99
719.17	53.8465	-0.3227	14.64
719.18	54.1252	-0.321	13.254
719.19	55.1716	-0.3149	11.866
719.2	54.306	-0.3199	10.541
719.21	54.394	-0.3194	9.116
719.22	54.8215	-0.3169	7.742
719.23	54.2429	-0.3203	6.414
719.24	55.2053	-0.3147	5.036
719.25	54.7004	-0.3176	3.688
719.26	55.5669	-0.3127	2.299
719.27	54.5333	-0.3186	0.898
719.28	55.3509	-0.3139	-0.457
719.29	54.5446	-0.3185	-1.83
719.3	55.1977	-0.3148	-3.218
719.31	54.8448	-0.3168	-4.593
719.32	54.4195	-0.3193	-5.955
719.33	56.1456	-0.3094	-7.355
719.34	56.4672	-0.3077	-8.72
719.35	55.1696	-0.3149	-10.043
719.36	54.6654	-0.3178	-11.45
719.37	55.3137	-0.3141	-12.815
719.38	54.6782	-0.3177	-14.242
719.39	56.1928	-0.3092	-15.629

719.4	55.5864	-0.3126	-16.961
719.41	56.0998	-0.3097	-18.387
719.42	54.9692	-0.3161	-19.709
719.43	55.9269	-0.3106	-21.135
719.44	55.6495	-0.3122	-22.514
719.45	54.9842	-0.316	-23.909
719.46	56.52	-0.3074	-25.317
719.47	56.3058	-0.3086	-26.721
719.48	55.7181	-0.3118	-28.082
719.49	55.6675	-0.3121	-29.464
719.5	54.6628	-0.3178	-30.843
719.51	55.4652	-0.3132	-32.271
719.52	55.4661	-0.3132	-33.667
719.53	54.8717	-0.3166	-35.079
719.54	55.5121	-0.313	-36.483
719.55	54.9105	-0.3164	-37.852
719.56	55.5065	-0.313	-39.291
719.57	56.1865	-0.3092	-40.694
719.58	55.1636	-0.3149	-42.087
719.59	55.6711	-0.3121	-43.443
719.6	55.3785	-0.3137	-44.937
719.61	54.7064	-0.3176	-46.283
719.62	54.4557	-0.319	-47.729
719.63	56.4302	-0.3079	-49.13
719.64	55.2019	-0.3147	-50.555
719.65	55.7693	-0.3115	-51.927
719.66	54.9608	-0.3161	-53.377
719.67	55.1295	-0.3151	-54.774
719.68	55.3078	-0.3141	-56.192
719.69	53.7246	-0.3234	-57.665
719.7	54.3853	-0.3195	-59.03
719.71	55.0228	-0.3158	-60.468
719.72	54.0398	-0.3215	-61.911
719.73	54.9904	-0.3159	-63.303
719.74	54.3089	-0.3199	-64.727
719.75	54.0019	-0.3217	-66.199
719.76	54.2252	-0.3204	-67.627
719.77	53.97	-0.3219	-69.073
719.78	54.3139	-0.3199	-70.513
719.79	53.3351	-0.3257	-71.958
719.8	53.1965	-0.3266	-73.372
719.81	53.2	-0.3266	-74.808
719.82	52.9767	-0.328	-76.269
719.83	53.7488	-0.3232	-77.681
719.84	53.0587	-0.3274	-79.144
719.85	52.6537	-0.33	-80.59
719.86	53.0893	-0.3273	-82.062
719.87	52.4525	-0.3312	-83.481
719.88	52.7782	-0.3292	-84.952
719.89	52.765	-0.3293	-86.435
719.9	52.7523	-0.3293	-87.871

719.91	51.8947	-0.3348	-89.353
719.92	52.9834	-0.3279	-90.79
719.93	52.51	-0.3309	-92.293
719.94	52.4965	-0.331	-93.734
719.95	52.2165	-0.3327	-95.214
719.96	51.593	-0.3368	-96.679
719.97	51.4055	-0.338	-98.139
719.98	51.8082	-0.3354	-99.66
719.99	52.1632	-0.3331	-101.113
720	52.3597	-0.3318	-102.652
720.01	52.1506	-0.3331	-104.077
720.02	52.0554	-0.3338	-105.608
720.03	51.0339	-0.3404	-107.061
720.04	52.3687	-0.3318	-108.569
720.05	52.2433	-0.3326	-110.081
720.06	51.6133	-0.3366	-111.584
720.07	51.808	-0.3354	-113.106
720.08	52.09	-0.3335	-114.606
720.09	51.3155	-0.3386	-116.098
720.1	52.0361	-0.3339	-117.639
720.11	51.7102	-0.336	-119.143
720.12	52.4156	-0.3315	-120.66
720.13	52.2556	-0.3325	-122.175
720.14	51.1775	-0.3395	-123.748
720.15	52.088	-0.3335	-125.242
720.16	51.4122	-0.3379	-126.846
720.17	51.7011	-0.336	-128.346
720.18	52.7688	-0.3292	-129.949
720.19	51.5243	-0.3372	-131.432
720.2	51.8341	-0.3352	-133.016
720.21	51.9129	-0.3347	-134.553
720.22	52.4984	-0.3309	-136.12
720.23	52.0433	-0.3338	-137.704
720.24	52.2559	-0.3325	-139.284
720.25	52.2489	-0.3325	-140.801
720.26	51.5683	-0.3369	-142.406
720.27	51.4684	-0.3376	-143.965
720.28	53.48	-0.3249	-145.572
720.29	51.5363	-0.3371	-147.176
720.3	52.6037	-0.3303	-148.79
720.31	51.7776	-0.3356	-150.4
720.32	51.6769	-0.3362	-151.954
720.33	52.6571	-0.3299	-153.622
720.34	52.1863	-0.3329	-155.22
720.35	52.2803	-0.3323	-156.848
720.36	52.2555	-0.3325	-158.485
720.37	52.0393	-0.3339	-160.156
720.38	52.6251	-0.3301	-161.802
720.39	52.2647	-0.3324	-163.392
720.4	52.5186	-0.3308	-165.038
720.41	52.1793	-0.333	-166.701

720.42	52.2264	-0.3327	-168.377
720.43	52.0361	-0.3339	-170.029
720.44	52.2538	-0.3325	-171.712
720.45	51.2135	-0.3392	-173.4
720.46	52.2721	-0.3324	-175.089
720.47	52.0396	-0.3339	-176.76
720.48	51.4735	-0.3375	-178.482
720.49	52.07	-0.3337	179.855
720.5	51.8584	-0.335	178.11
720.51	50.9777	-0.3408	176.43
720.52	50.4735	-0.3442	174.717
720.53	50.8274	-0.3418	172.96
720.54	49.5517	-0.3506	171.235
720.55	50.2134	-0.346	169.489
720.56	49.7645	-0.3491	167.764
720.57	49.4141	-0.3516	166.028
720.58	49.0195	-0.3544	164.239
720.59	48.6866	-0.3569	162.509
720.6	48.5685	-0.3577	160.73
720.61	48.394	-0.359	158.909
720.62	48.191	-0.3605	157.146
720.63	48.9974	-0.3546	155.33
720.64	47.4538	-0.3661	153.53
720.65	47.2157	-0.368	151.701
720.66	47.4596	-0.3661	149.903
720.67	47.2173	-0.368	148.065
720.68	47.0027	-0.3696	146.203
720.69	46.6921	-0.3721	144.411
720.7	46.552	-0.3732	142.55
720.71	45.5285	-0.3816	140.697
720.72	45.2722	-0.3838	138.829
720.73	45.2026	-0.3844	136.998
720.74	44.8844	-0.3871	135.084
720.75	44.1839	-0.3932	133.164
720.76	44.8679	-0.3872	131.261
720.77	44.3733	-0.3916	129.362
720.78	43.7083	-0.3975	127.439
720.79	43.2793	-0.4015	125.516
720.8	43.7318	-0.3973	123.57
720.81	42.9687	-0.4044	121.635
720.82	43.2637	-0.4016	119.671
720.83	42.7006	-0.4069	117.676
720.84	41.7938	-0.4157	115.694
720.85	41.8584	-0.4151	113.701
720.86	42.1396	-0.4123	111.731
720.87	42.1964	-0.4118	109.693
720.88	41.6489	-0.4172	107.651
720.89	40.9722	-0.4241	105.634
720.9	41.1442	-0.4223	103.567
720.91	41.1348	-0.4224	101.482
720.92	40.7821	-0.4261	99.429

720.93	40.6486	-0.4275	97.338
720.94	39.979	-0.4346	95.189
720.95	40.0182	-0.4342	93.156
720.96	39.5392	-0.4395	90.962
720.97	39.8724	-0.4358	88.823
720.98	39.4213	-0.4408	86.731
720.99	39.178	-0.4435	84.471
721	38.5638	-0.4506	82.286
721.01	38.6502	-0.4496	80.081
721.02	38.7535	-0.4484	77.812
721.03	38.3731	-0.4528	75.568
721.04	38.3773	-0.4528	73.327
721.05	37.6836	-0.4611	71.04
721.06	37.6392	-0.4616	68.733
721.07	37.8396	-0.4592	66.422
721.08	37.4155	-0.4644	64.108
721.09	37.4014	-0.4646	61.712
721.1	36.9544	-0.4702	59.326
721.11	36.7216	-0.4732	56.931
721.12	37.069	-0.4687	54.438
721.13	36.0719	-0.4817	52.023
721.14	36.0577	-0.4819	49.579
721.15	35.7825	-0.4856	47.092
721.16	35.55	-0.4888	44.576
721.17	35.4754	-0.4898	42
721.18	35.5348	-0.489	39.466
721.19	34.993	-0.4966	36.888
721.2	34.5671	-0.5027	34.239
721.21	34.0884	-0.5098	31.623
721.22	33.5626	-0.5177	28.905
721.23	33.5127	-0.5185	26.198
721.24	33.1351	-0.5244	23.442
721.25	32.8476	-0.529	20.707
721.26	32.622	-0.5327	17.942
721.27	31.9592	-0.5437	15.092
721.28	31.5779	-0.5503	12.25
721.29	31.0666	-0.5594	9.351
721.3	30.9948	-0.5607	6.437
721.31	30.4861	-0.57	3.449
721.32	29.9114	-0.581	0.434
721.33	29.7092	-0.5849	-2.574
721.34	28.9919	-0.5994	-5.675
721.35	28.91	-0.6011	-8.812
721.36	28.3822	-0.6123	-11.975
721.37	27.7798	-0.6256	-15.201
721.38	27.5478	-0.6309	-18.433
721.39	26.9209	-0.6456	-21.781
721.4	26.6597	-0.6519	-25.127
721.41	26.2808	-0.6613	-28.527
721.42	25.8873	-0.6714	-31.985
721.43	25.5212	-0.681	-35.543

721.44	25.0674	-0.6934	-39.128
721.45	24.3442	-0.714	-42.816
721.46	24.1865	-0.7187	-46.526
721.47	23.6345	-0.7355	-50.295
721.48	23.4653	-0.7408	-54.16
721.49	23.0963	-0.7526	-58.11
721.5	22.466	-0.7738	-62.161
721.51	22.0977	-0.7867	-66.289
721.52	21.754	-0.7991	-70.526
721.53	21.2978	-0.8163	-74.841
721.54	20.8993	-0.8318	-79.252
721.55	20.4399	-0.8506	-83.809
721.56	19.9845	-0.87	-88.444
721.57	19.4245	-0.8951	-93.208
721.58	18.9808	-0.9161	-98.098
721.59	18.4014	-0.945	-103.214
721.6	17.9514	-0.9687	-108.421
721.61	17.3712	-1.0011	-113.788
721.62	16.7628	-1.0376	-119.398
721.63	16.195	-1.074	-125.124
721.64	15.6393	-1.1123	-131.09
721.65	15.0147	-1.1587	-137.264
721.66	14.3966	-1.2086	-143.713
721.67	13.842	-1.2572	-150.382
721.68	13.2005	-1.3185	-157.468
721.69	12.5998	-1.3816	-164.868
721.7	11.9683	-1.4549	-172.703
721.71	11.373	-1.5314	178.984
721.72	10.6222	-1.6403	170.049
721.73	9.7825	-1.782	160.442
721.74	8.8103	-1.9803	149.967
721.75	7.7027	-2.2681	138.618
721.76	6.5184	-2.6862	126.387
721.77	5.3253	-3.3013	113.253
721.78	4.2717	-4.1435	99.524
721.79	3.4009	-5.2633	85.65
721.8	2.7344	-6.6615	72.15
721.81	2.252	-8.2908	59.41
721.82	1.9073	-10.1148	47.77
721.83	1.6612	-12.0949	37.153
721.84	1.4875	-14.1551	27.812
721.85	1.3618	-16.2945	19.424
721.86	1.2692	-18.5146	11.821
721.87	1.2023	-20.7389	4.997
721.88	1.1516	-23.0403	-1.262
721.89	1.114	-25.365	-6.914
721.9	1.0851	-27.788	-11.866
721.91	1.0631	-30.2861	-16.451
721.92	1.0463	-32.9016	-20.573
721.93	1.0338	-35.5954	-23.963
721.94	1.024	-38.5248	-27.222

721.95	1.0167	-41.6397	-29.154
721.96	1.0111	-45.1626	-30.693
721.97	1.0071	-49.0184	-29.008
721.98	1.0041	-53.7767	-24.553
721.99	1.0021	-59.7879	-11.971
722	1.0012	-64.3203	36.171
722.01	1.0014	-63.3202	81.493
722.02	1.0018	-60.7102	92.847
722.03	1.0022	-59.3439	99.159
722.04	1.0023	-58.9736	103.782
722.05	1.0021	-59.5974	104.016
722.06	1.002	-59.8862	104.702
722.07	1.0017	-61.2657	108.26
722.08	1.0014	-63.2257	111.083
722.09	1.0011	-65.3238	109.099
722.1	1.0008	-68.2864	123.97
722.11	1.0005	-71.2646	134.037
722.12	1.0006	-71.2145	-178.261
722.13	1.0008	-68.4481	-149.022
722.14	1.0009	-66.6209	-137.894
722.15	1.0012	-64.226	-127.523
722.16	1.0015	-62.23	-124.452
722.17	1.0017	-61.3937	-124.802
722.18	1.0019	-60.2833	-123.573
722.19	1.0021	-59.5449	-125.529
722.2	1.0022	-59.2946	-123.028
722.21	1.0024	-58.552	-125.202
722.22	1.0025	-58.0542	-128.547
722.23	1.0027	-57.4008	-128.257
722.24	1.0028	-57.2065	-125.806
722.25	1.0027	-57.2742	-128.745
722.26	1.0027	-57.3176	-129.345
722.27	1.0028	-57.0632	-132.195
722.28	1.0027	-57.2598	-132.616
722.29	1.0025	-57.979	-132.38
722.3	1.0026	-57.6853	-134.941
722.31	1.0026	-57.8826	-135.341
722.32	1.0026	-57.7418	-138.531
722.33	1.0025	-57.9773	-135.484
722.34	1.0025	-58.2217	-137.736
722.35	1.0022	-59.1006	-140.336
722.36	1.0023	-58.763	-141.502
722.37	1.0021	-59.3999	-143.601
722.38	1.0019	-60.531	-143.508
722.39	1.0019	-60.3101	-144.356
722.4	1.0018	-61.0129	-144.91
722.41	1.0017	-61.3444	-143.05
722.42	1.0016	-62.0994	-145.968
722.43	1.0016	-62.0531	-141.751
722.44	1.0012	-64.368	-145.044
722.45	1.0011	-65.1287	-146.365

722.46	1.001	-65.6249	-148.778
722.47	1.0009	-66.5996	-154.269
722.48	1.0007	-68.5974	-147.6
722.49	1.0007	-69.5052	-154.222
722.5	1.0005	-71.4695	-149.505
722.51	1.0004	-73.3549	-134.385
722.52	1.0003	-76.6301	-138.182
722.53	1.0003	-76.3858	-121.6
722.54	1.0001	-84.3288	-115.124
722.55	1.0002	-81.0677	-40.351
722.56	1.0002	-78.3333	-41.824
722.57	1.0002	-78.3218	-24.824
722.58	1.0003	-75.9793	-5.682
722.59	1.0004	-74.3044	1.319
722.6	1.0006	-71.0363	-4.458
722.61	1.0006	-70.885	0.051
722.62	1.0006	-69.8776	1.225
722.63	1.0008	-67.5217	1.441
722.64	1.0008	-68.116	-0.7
722.65	1.001	-66.3783	-2.732
722.66	1.0011	-65.1182	-5.005
722.67	1.0011	-64.929	-3.623
722.68	1.0013	-64.0741	-4.703
722.69	1.0014	-63.2913	-5.303
722.7	1.0014	-63.3304	-7.313
722.71	1.0014	-63.1533	-3.717
722.72	1.0015	-62.2754	-7.591
722.73	1.0016	-62.0104	-8.426
722.74	1.0016	-61.7049	-7.999
722.75	1.0018	-61.089	-6.756
722.76	1.0018	-61.0653	-5.186
722.77	1.0017	-61.1848	-6.137
722.78	1.0019	-60.6774	-6.672
722.79	1.0019	-60.6252	-9.838
722.8	1.0019	-60.5385	-8.668
722.81	1.0019	-60.3411	-11.873
722.82	1.0019	-60.2408	-11.094
722.83	1.002	-59.9194	-10.92
722.84	1.0021	-59.5341	-11.193
722.85	1.0022	-59.3622	-14.442
722.86	1.0022	-59.2359	-11.234
722.87	1.0022	-59.0306	-12.938
722.88	1.0023	-58.8575	-12.949
722.89	1.0022	-59.0389	-14.793
722.9	1.0023	-58.9466	-15.347
722.91	1.0023	-58.633	-15.658
722.92	1.0023	-58.764	-15.269
722.93	1.0023	-58.7811	-18.408
722.94	1.0023	-58.8973	-15.917
722.95	1.0024	-58.603	-17.526
722.96	1.0024	-58.5347	-17.672

722.97	1.0024	-58.5693	-19.497
722.98	1.0023	-58.65	-19.041
722.99	1.0024	-58.5367	-20.387
723	1.0025	-58.1818	-18.421
723.01	1.0023	-58.7007	-20.986
723.02	1.0024	-58.3104	-20.773
723.03	1.0024	-58.5301	-22.16
723.04	1.0026	-57.8332	-22.219
723.05	1.0025	-57.9973	-22.168
723.06	1.0024	-58.5571	-23.545
723.07	1.0024	-58.4178	-25.974
723.08	1.0024	-58.2958	-23.038
723.09	1.0024	-58.5487	-23.95
723.1	1.0024	-58.3352	-24.205
723.11	1.0025	-58.1544	-26.333
723.12	1.0025	-58.1982	-29.417
723.13	1.0025	-58.0154	-29.815
723.14	1.0025	-58.1095	-30.368
723.15	1.0024	-58.3081	-27.761
723.16	1.0025	-58.2369	-29.213
723.17	1.0024	-58.3206	-29.488
723.18	1.0024	-58.3344	-30.69
723.19	1.0024	-58.4103	-30.506
723.2	1.0024	-58.2907	-33.117
723.21	1.0023	-58.6281	-31.217
723.22	1.0024	-58.6012	-31.763
723.23	1.0023	-58.752	-33.974
723.24	1.0025	-57.9453	-31.786
723.25	1.0023	-58.9512	-33.846
723.26	1.0024	-58.4513	-34.09
723.27	1.0023	-58.7765	-33.29
723.28	1.0024	-58.4039	-35.037
723.29	1.0024	-58.4839	-35.669
723.3	1.0021	-59.4088	-37.63
723.31	1.0023	-58.8145	-34.408
723.32	1.0022	-59.0703	-33.195
723.33	1.0023	-58.9201	-37.975
723.34	1.0023	-58.8501	-39.472
723.35	1.0023	-58.7686	-39.297
723.36	1.0023	-58.7208	-38.064
723.37	1.0022	-59.0342	-38.587
723.38	1.0022	-59.2541	-35.98
723.39	1.0021	-59.5362	-40.306
723.4	1.0021	-59.6164	-38.881
723.41	1.0021	-59.4061	-39.759
723.42	1.0022	-59.3625	-42.769
723.43	1.0021	-59.4039	-41.567
723.44	1.0022	-59.2317	-39.65
723.45	1.0023	-58.7622	-41.547
723.46	1.0022	-59.3314	-43.132
723.47	1.0021	-59.5185	-42.215

723.48	1.0021	-59.5991	-44.221
723.49	1.002	-59.9744	-40.527
723.5	1.0021	-59.42	-44.213
723.51	1.0021	-59.766	-42.793
723.52	1.0021	-59.5858	-45.778
723.53	1.0021	-59.7455	-42.509
723.54	1.0021	-59.665	-44.354
723.55	1.002	-59.8034	-45.456
723.56	1.002	-59.8036	-47.718
723.57	1.002	-60.1996	-46.308
723.58	1.002	-60.0238	-44.593
723.59	1.002	-60.0246	-46.973
723.6	1.0019	-60.2346	-47.882
723.61	1.0019	-60.4874	-46.974
723.62	1.0018	-60.8166	-51.689
723.63	1.0019	-60.3116	-50.981
723.64	1.0019	-60.3138	-49.14
723.65	1.0018	-60.7019	-49.271
723.66	1.0019	-60.6395	-51.402
723.67	1.0019	-60.6527	-50.755
723.68	1.0019	-60.6287	-51.967
723.69	1.0018	-60.9842	-50.114
723.7	1.0018	-60.7723	-50.839
723.71	1.0018	-61.0297	-53.183
723.72	1.0018	-60.787	-52.581
723.73	1.0017	-61.4077	-56.242
723.74	1.0017	-61.2908	-51.291
723.75	1.0018	-61.0146	-54.74
723.76	1.0017	-61.1851	-52.948
723.77	1.0018	-61.0355	-54.742
723.78	1.0017	-61.2442	-51.117
723.79	1.0018	-60.8034	-53.899
723.8	1.0016	-61.9009	-57.091
723.81	1.0017	-61.5511	-55.516
723.82	1.0016	-61.7605	-55.046
723.83	1.0017	-61.3026	-55.475
723.84	1.0016	-62.1189	-55.604
723.85	1.0016	-62.0089	-59.337
723.86	1.0015	-62.2273	-60.939
723.87	1.0016	-61.9845	-54.769
723.88	1.0015	-62.2532	-59.091
723.89	1.0016	-61.9445	-57.747
723.9	1.0016	-62.042	-55.57
723.91	1.0015	-62.403	-56.446
723.92	1.0016	-62.1362	-58.89
723.93	1.0015	-62.2775	-58.107
723.94	1.0015	-62.5818	-60.73
723.95	1.0016	-61.9602	-60.342
723.96	1.0015	-62.504	-58.866
723.97	1.0014	-63.1539	-57.192
723.98	1.0014	-63.1514	-59.66

723.99	1.0016	-62.185	-64.222
724	1.0014	-63.2983	-60.277
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724.02	1.0015	-62.6899	-63.686
724.03	1.0013	-63.9158	-61.221
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724.05	1.0013	-63.8848	-61.967
724.06	1.0013	-64.0591	-60.034
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724.08	1.0015	-62.7973	-62.494
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724.1	1.0013	-63.9706	-66.228
724.11	1.0013	-63.4454	-63.55
724.12	1.0012	-64.2676	-67.775
724.13	1.0013	-64.0165	-62.146
724.14	1.0012	-64.1318	-64.935
724.15	1.0012	-64.2768	-64.205
724.16	1.0013	-63.8208	-70.082
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724.18	1.0013	-63.7786	-61.704
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724.22	1.0011	-65.1848	-61.194
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724.25	1.0011	-64.8552	-69.456
724.26	1.0012	-64.7681	-69.162
724.27	1.001	-65.8241	-69.669
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724.29	1.001	-65.6519	-66.187
724.3	1.001	-66.1682	-71.033
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724.46	1.0009	-66.6351	-68.374
724.47	1.0009	-67.2767	-77.166
724.48	1.0009	-66.7145	-72.145
724.49	1.0009	-66.8156	-74.626

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725.11	1.0006	-71.223	-80.873
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725.17	1.0005	-72.29	-95.293
725.18	1.0005	-71.6765	-80.077
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725.23	1.0004	-74.0217	-75.897
725.24	1.0005	-71.4508	-95.144
725.25	1.0004	-74.7606	-87.594
725.26	1.0005	-72.9433	-79.969
725.27	1.0004	-73.7921	-87.883
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725.29	1.0004	-73.2004	-85.406
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725.32	1.0004	-73.9904	-94.392
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725.39	1.0004	-73.299	-94.754
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725.68	1.0003	-75.6512	-75.129
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725.71	1.0003	-75.6133	-92.399
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726.52	1.0002	-81.6957	-100.531
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726.77	1.0002	-80.0353	-93.384
726.78	1.0002	-82.2378	-119.534
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726.81	1.0002	-82.3722	-94.214
726.82	1.0001	-84.7873	-118.006
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726.84	1.0002	-81.5374	-118.306
726.85	1.0001	-84.485	-82.04
726.86	1.0001	-86.5804	-96.724
726.87	1.0002	-81.5337	-117.722
726.88	1.0001	-85.8384	-116.287
726.89	1.0001	-84.6203	-86.794
726.9	1.0001	-84.658	-129.159
726.91	1.0001	-89.0704	-96.808
726.92	1.0001	-87.7599	-91.839
726.93	1.0001	-83.8272	-94.252
726.94	1.0002	-81.2189	-111.057
726.95	1.0001	-84.3204	-145.95
726.96	1.0001	-83.8667	-115.17
726.97	1.0002	-82.3285	-97.298
726.98	1.0002	-82.2864	-99.227
726.99	1.0002	-80.0569	-90.329
727	1.0001	-85.9732	-125.622
727.01	1.0002	-79.8119	-120.81
727.02	1.0001	-87.8299	-119.915
727.03	1.0001	-83.7631	-97.205
727.04	1.0001	-84.6271	-83.496

727.05	1.0001	-84.6229	-115.552
727.06	1.0001	-87.0388	-111.986
727.07	1.0001	-87.7692	-88.588
727.08	1.0001	-89.6246	-133.373
727.09	1.0001	-85.4195	-117.511
727.1	1.0001	-85.1358	-106.364
727.11	1.0001	-90.6987	-124.558
727.12	1.0001	-92.0642	-66.96
727.13	1.0001	-85.6856	-125.447
727.14	1.0001	-83.4319	-69.393
727.15	1.0001	-87.0275	-145.268
727.16	1.0002	-81.3289	-104.416
727.17	1.0001	-89.6289	-131.36
727.18	1.0001	-83.3058	-125.982
727.19	1	-92.5688	-93.084
727.2	1.0002	-81.8223	-145.464
727.21	1.0001	-90.534	-96.821
727.22	1.0001	-82.5309	-123.95
727.23	1.0001	-83.5354	-113.946
727.24	1.0002	-81.4208	-68.936
727.25	1.0001	-84.3402	-139.492
727.26	1.0001	-82.7457	-100.67
727.27	1.0001	-85.1893	-142.242
727.28	1.0001	-87.0333	-142.442
727.29	1.0001	-86.2863	-116.508
727.3	1.0001	-85.5879	-139.894
727.31	1.0002	-79.7841	-98.166
727.32	1	-94.5788	-134.531
727.33	1.0002	-80.7789	-150.464
727.34	1	-97.7035	70.713
727.35	1.0002	-81.633	-121.791
727.36	1.0001	-90.7006	-119.151
727.37	1.0001	-82.8382	141.343
727.38	1.0001	-89.121	-81.878
727.39	1.0002	-80.2649	-114.409
727.4	1.0001	-82.8906	-107.997
727.41	1.0001	-88.9782	-116.192
727.42	1.0001	-88.6743	-99.403
727.43	1.0001	-83.037	-141.014
727.44	1	-92.6509	-170.547
727.45	1.0001	-90.1828	-121.521
727.46	1.0002	-82.5129	-156.63
727.47	1.0001	-83.5561	-117.744
727.48	1	-93.4715	174.389
727.49	1.0001	-82.7304	-174.044
727.5	1.0001	-88.5661	-130.609
727.51	1.0001	-83.7822	-71.255
727.52	1.0001	-88.046	-132.781
727.53	1.0001	-88.9786	-113.561
727.54	1.0002	-82.1422	-104.943
727.55	1.0002	-82.11	-146.319

727.56	1.0002	-80.6245	-98.086
727.57	1.0001	-88.7546	163.678
727.58	1.0001	-84.4355	-91.537
727.59	1.0001	-84.7861	-122.325
727.6	1	-103.7257	-50.525
727.61	1.0001	-90.7161	-113.684
727.62	1.0001	-90.0343	-132.963
727.63	1.0001	-84.8281	-52.444
727.64	1.0001	-88.0459	157.768
727.65	1.0001	-85.4016	-116.579
727.66	1.0001	-82.542	-96.345
727.67	1.0001	-83.259	-129.152
727.68	1.0001	-85.1441	-165.378
727.69	1.0001	-87.2674	-94.788
727.7	1.0001	-86.0566	-144.362
727.71	1.0001	-89.6452	150.301
727.72	1.0001	-87.5365	161.834
727.73	1.0001	-88.6755	-92.702
727.74	1.0001	-84.0854	-136.319
727.75	1	-110.7212	16.141
727.76	1.0001	-89.3812	-132.664
727.77	1.0001	-86.2286	-90.752
727.78	1.0001	-83.6246	-118.159
727.79	1.0001	-87.7721	-68.891
727.8	1.0002	-82.3427	-144.997
727.81	1.0001	-84.8189	166.978
727.82	1.0001	-87.5996	119.759
727.83	1.0001	-85.8791	-148.889
727.84	1.0001	-82.9884	-142.728
727.85	1.0001	-86.568	-64.549
727.86	1.0001	-84.3495	-126.311
727.87	1.0001	-84.431	-138.408
727.88	1	-92.8681	148.805
727.89	1.0001	-91.2203	-102.811
727.9	1.0002	-81.8194	-91.616
727.91	1.0002	-82.418	-137.784
727.92	1.0001	-88.1641	-133.625
727.93	1.0001	-84.233	-165.394
727.94	1.0001	-83.1939	-174.352
727.95	1.0001	-85.5997	-125.845
727.96	1.0001	-90.7182	-16.179
727.97	1.0001	-89.1346	-69.126
727.98	1	-104.6977	21.093
727.99	1.0001	-85.7072	-106.801
728	1.0002	-82.2837	-93.058
728.01	1.0001	-85.5566	-61.896
728.02	1.0001	-83.7849	-103.836
728.03	1.0001	-83.3255	-177.774
728.04	1.0001	-83.3301	-137.572
728.05	1	-96.0907	-179.149
728.06	1.0002	-81.8439	-126.911

728.07	1.0001	-88.1629	-130.375
728.08	1.0001	-89.1327	-66.722
728.09	1.0001	-87.1913	-156.506
728.1	1.0001	-86.5508	-178.094
728.11	1.0001	-82.7325	-160.649
728.12	1	-92.5814	174.385
728.13	1	-103.7216	-92.175
728.14	1.0002	-81.7472	-151.336
728.15	1.0001	-84.824	-131.242
728.16	1.0001	-85.8693	-168.243
728.17	1.0001	-86.5635	-147.627
728.18	1.0002	-81.4634	-110.951
728.19	1.0002	-81.7599	-66.408
728.2	1.0001	-91.4232	-166.665
728.21	1.0001	-88.9761	151.016
728.22	1.0001	-88.1546	-90.287
728.23	1.0002	-81.3426	-98.837
728.24	1	-96.7317	-100.17
728.25	1	-101.6737	-18.065
728.26	1.0001	-90.8409	-128.884
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728.28	1.0001	-87.7633	-66.52
728.29	1.0001	-87.4463	-136.259
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728.31	1.0001	-91.6788	-88.366
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728.33	1.0001	-88.7532	-122.726
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728.38	1	-93.4668	-134.342
728.39	1.0001	-85.692	-98.249
728.4	1	-95.024	-69.341
728.41	1.0001	-90.324	-76.367
728.42	1.0001	-89.3336	-129.484
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728.55	1	-93.4575	17.427
728.56	1.0001	-84.5015	-45.122
728.57	1	-94.1641	-82.816

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728.6	1.0001	-85.6422	-82.178
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728.85	1	-95.6285	174.722
728.86	1.0001	-83.6912	-113.464
728.87	1.0001	-85.5601	133.311
728.88	1.0001	-85.1179	148.79
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729.05	1	-94.5386	-174.68
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729.18	1	-94.9745	146.186
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729.23	1	-99.5172	-98.532
729.24	1	-104.6348	-132.039
729.25	1.0001	-85.8024	-118.599
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729.28	1.0001	-84.0533	-141.956
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731.05	1	-96.4965	32.147
731.06	1.0001	-90.434	-10.233
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731.08	1.0001	-85.7665	50.337
731.09	1.0001	-85.5215	128.779
731.1	1	-96.4967	33.143
731.11	1	-94.4471	68.057
731.12	1	-93.3112	-59.597

731.13	1.0001	-88.1902	154.27
731.14	1.0001	-84.3962	150.522
731.15	1	-94.9029	177.275
731.16	1	-99.3276	121.183
731.17	1	-92.3397	-122.041
731.18	1	-96.4855	141.002
731.19	1	-95.8336	66.277
731.2	1.0001	-87.7895	-127.691
731.21	1	-92.3968	88.503
731.22	1	-94.3356	50.062
731.23	1.0001	-88.7529	98.347
731.24	1.0001	-90.2897	-169.587
731.25	1.0001	-90.4175	-174.997
731.26	1.0001	-89.0875	-70.516
731.27	1	-94.8928	-0.296
731.28	1.0001	-90.2835	11.222
731.29	1	-94.7745	-170.403
731.3	1	-99.3138	123.974
731.31	1	-95.8261	-111.28
731.32	1.0001	-84.9403	32.703
731.33	1.0001	-85.1344	168.423
731.34	1	-103.4598	154.56
731.35	1.0001	-87.8945	-152.17
731.36	1.0001	-90.4507	-125.351
731.37	1.0001	-88.7171	-33.27
731.38	1	-98.4043	1.934
731.39	1.0001	-91.8741	137.103
731.4	1	-100.9047	-87.69
731.41	1.0001	-88.7393	173.071
731.42	1	-98.4032	92.714
731.43	1	-93.2841	-143.378
731.44	1	-93.2815	59.435
731.45	1	-93.1974	109.222
731.46	1	-98.13	169.48
731.47	1.0001	-83.1725	-13.895
731.48	1.0001	-91.1364	106.446
731.49	1.0001	-86.0095	151.372
731.5	1.0001	-85.7806	-16.237
731.51	1.0001	-89.6064	-85.519
731.52	1	-97.4235	121.284
731.53	1.0001	-91.8007	164.388
731.54	1.0001	-91.4062	68.565
731.55	1	-94.4078	-103.08
731.56	1.0001	-84.1437	-135.416
731.57	1.0001	-85.1144	46.33
731.58	1.0001	-88.3843	167.479
731.59	1	-95.7988	117.901
731.6	1.0001	-87.3102	174.218
731.61	1.0001	-84.5245	126.997
731.62	1.0001	-91.395	33.295
731.63	1.0001	-88.2815	-121.756

731.64	1.0001	-89.3524	-37.893
731.65	1.0001	-87.4111	-164.54
731.66	1.0001	-85.9285	-9.835
731.67	1.0001	-89.3499	142.707
731.68	1.0001	-88.3764	79.531
731.69	1.0001	-89.7704	166.299
731.7	1	-96.4368	151.463
731.71	1.0001	-91.1234	57.951
731.72	1	-94.2913	-119.921
731.73	1	-93.2535	155.237
731.74	1	-92.3481	99.149
731.75	1.0001	-88.5642	23.377
731.76	1.0001	-86.5883	114.446
731.77	1.0001	-91.1131	87.241
731.78	1.0001	-89.0714	-139.08
731.79	1.0001	-88.1267	32.747
731.8	1.0001	-84.9282	-54.489
731.81	1.0001	-87.8566	-142.923
731.82	1	-103.4191	-142.739
731.83	1.0001	-88.7876	-173.848
731.84	1	-185.8357	146.123
731.85	1	-92.3359	11.268
731.86	1	-99.2586	-44.782
731.87	1.0001	-89.4347	-141.703
731.88	1.0001	-87.4488	-172.169
731.89	1.0001	-85.7881	130.175
731.9	1.0001	-88.551	26.377
731.91	1.0001	-90.5318	78.598
731.92	1	-97.3815	39.297
731.93	1	-92.3385	-167.085
731.94	1.0001	-87.4471	-170.957
731.95	1	-99.2589	-42.959
731.96	1	-97.3791	166.972
731.97	1	-103.4053	-12.86
731.98	1.0001	-82.7287	-100.539
731.99	1.0001	-89.7454	125.936
732	1	-94.7084	4.86
732.01	1.0001	-85.5492	-9.112
732.02	1.0001	-85.2834	-75.294
732.03	1.0001	-90.349	20.619
732.04	1.0001	-89.8573	153.955
732.05	1	-95.3373	-29.657
732.06	1.0001	-90.2178	26.796
732.07	1.0001	-90.387	-127.443
732.08	1	-103.3945	-10.642
732.09	1.0001	-86.1542	-174.519
732.1	1.0001	-90.2102	4.971
732.11	1.0001	-86.9392	148.756
732.12	1	-94.7022	7.254
732.13	1	-104.3596	106.881
732.14	1.0001	-90.5145	-48.926

732.15	1.0002	-82.2024	-142.199
732.16	1.0001	-88.1005	-72.478
732.17	1	-93.8464	-135.751
732.18	1.0001	-88.3333	-143.696
732.19	1.0001	-87.1977	-128.199
732.2	1.0001	-90.3817	18.275
732.21	1	-97.3672	-8.102
732.22	1	-101.3486	153.657
732.23	1.0001	-88.2234	-122.46
732.24	1	-92.3118	-160.929
732.25	1.0001	-88.6695	9.817
732.26	1.0001	-88.6693	-61.035
732.27	1.0001	-86.0244	123.707
732.28	1.0001	-87.2493	-172.201
732.29	1	-94.6854	-169.409
732.3	1.0001	-91.3382	173.688
732.31	1.0001	-88.2224	149.143
732.32	1	-93.2076	166.949
732.33	1.0001	-86.7691	118.436
732.34	1.0001	-89.3954	-132.352
732.35	1.0001	-88.7541	152.903
732.36	1	-98.0581	-144.533
732.37	1.0001	-90.3639	164.81
732.38	1.0001	-90.1948	10.555
732.39	1.0001	-90.3172	-163.668
732.4	1	-98.3167	22.263
732.41	1	-93.4531	112.458
732.42	1	-92.2317	142.384
732.43	1.0001	-87.9855	-75.89
732.44	1	-93.2011	-10.613
732.45	1.0001	-90.3143	-151.057
732.46	1.0001	-90.3159	-150.867
732.47	1.0001	-86.0089	-170.436
732.48	1	-96.3813	60.734
732.49	1.0001	-88.6516	-165.421
732.5	1.0001	-89.7101	-87.581
732.51	1	-99.2132	-99.267
732.52	1.0001	-84.1636	13.319
732.53	1	-101.3206	-110.139
732.54	1	-100.809	115.021
732.55	1.0002	-81.4731	55.502
732.56	1.0001	-90.8563	57.436
732.57	1.0001	-83.4948	-151.775
732.58	1	-93.1901	-30.469
732.59	1	-92.2942	26.001
732.6	1.0001	-91.0526	156.795
732.61	1.0001	-87.4886	-123.342
732.62	1.0001	-85.2939	-126.866
732.63	1.0001	-85.9979	-167.25
732.64	1.0001	-91.774	-17.989
732.65	1.0001	-89.373	-126.241

732.66	1.0001	-84.5858	-118.103
732.67	1.0001	-86.8176	-9.272
732.68	1	-97.3325	-125.641
732.69	1.0001	-89.3761	-72.35
732.7	1.0001	-84.8638	-36.58
732.71	1.0001	-90.1727	39.668
732.72	1.0001	-87.4914	-1.704
732.73	1.0001	-85.4951	-174.878
732.74	1.0001	-91.0438	159.542
732.75	1.0001	-86.4621	-111.041
732.76	1	-97.3223	2.808
732.77	1.0001	-86.6847	-173.646
732.78	1	-104.3153	29.781
732.79	1.0001	-90.3337	156.815
732.8	1.0001	-89.6946	-38.048
732.81	1	-95.2864	-14.69
732.82	1.0001	-86.4646	70.347
732.83	1.0001	-84.821	88.762
732.84	1.0001	-92.0052	134.976
732.85	1	-94.6538	-158.328
732.86	1	-92.2059	24.235
732.87	1.0001	-87.3226	23.403
732.88	1.0001	-89.359	132.035
732.89	1.0001	-87.653	-41.035
732.9	1	-98.2898	32.102
732.91	1.0001	-89.3628	112.011
732.92	1.0001	-85.173	-141.136
732.93	1.0001	-82.6617	-122.871
732.94	1.0001	-87.3162	-65.209
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732.96	1	-95.7041	145.084
732.97	1	-96.3517	-109.667
732.98	1.0001	-88.9571	103.707
732.99	1	-94.646	24.435
733	1.0001	-84.0384	-78.759
733.01	1.0001	-88.2846	-164.131
733.02	1	-97.3085	-82.104
733.03	1.0001	-86.2273	-141.789
733.04	1	-94.7596	124.867
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733.06	1	-98.2766	-54.742
733.07	1.0001	-86.156	-32.727
733.08	1.0001	-88.7108	-95.995
733.09	1.0001	-89.7884	-5.357
733.1	1	-92.1891	28.935
733.11	1	-96.3353	126.245
733.12	1.0001	-87.058	-69.535
733.13	1	-92.1891	29.522
733.14	1.0001	-82.9619	-174.124
733.15	1	-94.6371	27.559
733.16	1	-92.2545	-142.789

733.17	1.0001	-91.7361	172.415
733.18	1.0001	-85.7026	-24.303
733.19	1.0001	-90.267	-136.479
733.2	1.0001	-91.679	17.453
733.21	1	-97.2979	-168.356
733.22	1.0001	-88.7014	-136.852
733.23	1.0001	-84.752	57.064
733.24	1.0001	-87.3005	83.795
733.25	1.0001	-88.2708	20.541
733.26	1	-92.1788	-147.947
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733.28	1	-93.0645	-66.336
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733.36	1.0001	-86.0056	-11.287
733.37	1.0001	-89.7796	82.556
733.38	1.0001	-87.2997	176.558
733.39	1	-110.2997	-48.248
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733.41	1.0001	-88.456	-123.828
733.42	1	-92.451	2.502
733.43	1	-94.286	-119.034
733.44	1	-100.7554	-47.25
733.45	1	-97.2938	16.344
733.46	1.0001	-86.6511	66.331
733.47	1.0001	-88.0241	-159.277
733.48	1	-93.1409	-170.184
733.49	1.0001	-85.2485	-109.733
733.5	1.0001	-83.7531	2.779
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733.58	1.0001	-89.9224	28.799
733.59	1.0001	-85.2404	19.122
733.6	1.0001	-85.2414	72.422
733.61	1.0001	-83.3617	10.21
733.62	1	-94.617	-124.268
733.63	1	-96.3145	-96.655
733.64	1	-93.7635	-106.715
733.65	1.0001	-85.9515	60.898
733.66	1	-97.2842	-159.486
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733.68	1.0001	-87.6243	173.468
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733.72	1.0001	-90.1272	36.907
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733.74	1.0001	-87.0268	-147.362
733.75	1.0001	-89.3204	75.36
733.76	1.0001	-91	-28.46
733.77	1	-99.1456	-7.14
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733.79	1.0001	-85.1292	-124.081
733.8	1.0001	-91.2603	-66.761
733.81	1.0001	-89.6425	28.227
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733.83	1.0001	-89.9137	-112.939
733.84	1.0001	-90.2892	177.442
733.85	1.0001	-85.1686	53.977
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733.87	1	-110.2857	141.212
733.88	1.0001	-86.3938	77.951
733.89	1	-110.2902	141.57
733.9	1.0001	-85.4431	-24.953
733.91	1	-93.1232	108.222
733.92	1.0001	-84.6688	95.012
733.93	1	-100.7445	142.373
733.94	1.0001	-91.2012	-37.452
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733.97	1.0001	-89.6408	-58.694
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733.99	1	-92.1563	60.65
734	1.0001	-85.1773	143.691
734.01	1.0001	-90.1153	-47.386
734.02	1.0001	-87.359	-125.905
734.03	1	-92.1547	61.417
734.04	1.0001	-91.6512	-104.982
734.05	1	-97.2756	-98.733
734.06	1.0001	-87.2749	-43.211
734.07	1.0001	-91.9597	131.062
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734.1	1.0001	-87.6122	-178.287
734.11	1.0001	-88.4309	41.847
734.12	1.0001	-87.0166	40.102
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734.14	1.0001	-86.622	169.685
734.15	1	-94.2594	-104.872
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734.17	1.0001	-87.7098	-80.914
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734.19	1	-98.2378	147.429
734.2	1.0001	-86.6289	-99.141
734.21	1.0001	-87.0091	163.767
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734.36	1.0001	-85.0558	-109.753
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734.42	1.0001	-90.2343	67.695
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734.55	1.0001	-89.2043	19.527
734.56	1.0001	-86.397	-155.112
734.57	1.0001	-87.9944	-25.09
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734.66	1.0001	-83.6001	178.488
734.67	1.0001	-90.2699	-150
734.68	1	-92.4257	-152.707
734.69	1.0001	-90.9745	144.701

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734.71	1	-95.2178	112.667
734.72	1.0001	-87.8913	149.128
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734.75	1.0001	-88.5384	-76.555
734.76	1.0001	-89.6259	46.863
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734.82	1	-93.1093	-143.876
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734.84	1.0001	-83.878	-3.07
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734.86	1.0001	-87.8928	-28.118
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734.91	1	-94.248	53.214
734.92	1.0001	-86.3793	-81.642
734.93	1	-94.2563	143.537
734.94	1.0001	-87.2577	-99.661
734.95	1.0001	-90.2747	35.513
734.96	1.0001	-89.627	4.359
734.97	1	-93.7362	-80.647
734.98	1.0001	-91.6339	-127.557
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