Keuwl Accelerometer Data File

2024-04-30 16:56:46

Time (s), X (m/s2), Y (m/s2), Z (m/s2), R (m/s2), Theta (deg), Phi (deg)

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0.0097349,-4.205386,9.252148,0.073579,10.163313,89.585190,114.443260

0.0121683,-4.207778,9.331111,-0.048754,10.236084,90.272896,114.272552

0.0146021,-4.171886,9.355040,-0.149252,10.244203,90.834801,114.034515

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4.8222733,-0.800997,9.943973,-0.166002,9.977562,90.953308,94.605293

4.8247080,-0.772283,9.941580,-0.197109,9.973478,91.132423,94.441940

4.8271427,-0.753141,9.941580,-0.197109,9.972014,91.132591,94.332260

4.8295770,-0.755534,9.977472,-0.218644,10.008426,91.251785,94.330399

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4.8344450,-0.724427,9.939187,-0.223430,9.968057,91.284370,94.168686

4.8368793,-0.722034,9.965508,-0.225823,9.994183,91.294731,94.144028

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8.1937551,-0.901496,9.943973,0.049651,9.984877,89.715088,95.180130

8.1961899,-0.901496,9.888938,0.080758,9.930272,89.534035,95.208801

8.1986246,-0.879961,9.881760,0.104686,9.921414,89.395432,95.088707

8.2010584,-0.860818,9.879367,0.107079,9.917377,89.381363,94.979774

8.2034931,-0.851247,9.881760,0.104686,9.918909,89.395279,94.923492

8.2059269,-0.865604,9.896116,0.133400,9.934796,89.230637,94.998886

8.2083607,-0.856032,9.910473,0.164507,9.948735,89.052544,94.936760

8.2107944,-0.848854,9.922438,0.188435,9.960464,88.916000,94.889687

8.2132292,-0.839283,9.941580,0.221934,9.979411,88.725685,94.825546

8.2156630,-0.870389,9.936794,0.245863,9.977871,88.588043,95.005905

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8.2229652,-0.908674,9.920045,0.276969,9.965425,88.407372,95.233681

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16.0369911,-1.093221,9.910473,-0.101396,9.971103,90.582649,96.294830

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16.0442963,-1.083650,9.910473,-0.122931,9.970300,90.706459,96.240150

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16.0491619,-1.121935,9.927223,-0.103789,9.990959,90.595215,96.447975

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16.0540314,-1.119542,9.910473,-0.099003,9.973999,90.568733,96.445122

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16.3534355,-1.176970,9.905687,-0.120538,9.976092,90.692307,96.775978

16.3558693,-1.169791,9.896116,-0.089432,9.965416,90.514191,96.741486

16.3583050,-1.150649,9.917651,-0.099003,9.984668,90.568123,96.617882

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16.3656063,-1.176970,9.917651,-0.096610,9.987712,90.554222,96.767876

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16.3704739,-1.162613,9.896116,-0.099003,9.964667,90.569267,96.700493

16.3729095,-1.160220,9.920045,-0.089432,9.988063,90.513023,96.670845

16.3753433,-1.167398,9.910473,-0.060718,9.979177,90.348618,96.718163

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16.3802109,-1.153041,9.910473,-0.055932,9.977480,90.321190,96.636284

16.3826447,-1.148256,9.903295,-0.048754,9.969760,90.280190,96.613731

16.3850784,-1.181755,9.917651,-0.067896,9.988041,90.389488,96.795143

16.3875122,-1.169791,9.912866,-0.075075,9.981932,90.430931,96.730202

16.3899460,-1.179362,9.908080,-0.084646,9.978382,90.486046,96.788002

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16.3948154,-1.181755,9.896116,-0.063111,9.966627,90.362808,96.809792

16.3972492,-1.172184,9.920045,-0.077468,9.989360,90.444336,96.739006

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16.4021187,-1.172184,9.900902,-0.020040,9.970069,90.115166,96.751915

16.4045525,-1.162613,9.922438,-0.027218,9.990355,90.156097,96.682877

16.4069862,-1.181755,9.876974,-0.036790,9.947488,90.211899,96.822861

16.4094219,-1.174577,9.905687,-0.046361,9.975190,90.266289,96.762329

16.4118557,-1.198505,9.903295,-0.051147,9.975684,90.293762,96.900429

16.4142895,-1.186541,9.879367,-0.032004,9.950417,90.184280,96.848587

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16.4191589,-1.198505,9.920045,-0.039182,9.992259,90.224670,96.888885

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16.4240265,-1.215255,9.903295,-0.075075,9.977861,90.431107,96.995911

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16.4313278,-1.248754,9.920045,-0.082253,9.998672,90.471344,97.174767

16.4337616,-1.196112,9.896116,-0.087039,9.968519,90.500275,96.891731

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16.4508018,-1.141077,9.910473,-0.106182,9.976513,90.609818,96.568031

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16.4556694,-1.136292,9.896116,-0.115753,9.961811,90.665771,96.550133

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16.4629707,-1.148256,9.900902,-0.096610,9.967731,90.555336,96.615318

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16.4678402,-1.145863,9.932009,-0.075075,9.998172,90.430229,96.581161

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16.4897480,-1.133899,9.927223,-0.108574,9.992361,90.622574,96.516151

16.4921818,-1.129113,9.934402,-0.139681,9.999337,90.800392,96.484238

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16.5019207,-1.131506,9.915258,-0.048754,9.979731,90.279907,96.510300

16.5043545,-1.107578,9.903295,-0.055932,9.965195,90.321587,96.381401

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16.5140896,-1.119542,9.893723,-0.082253,9.957204,90.473305,96.455948

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16.5189571,-1.114756,9.903295,-0.079860,9.966158,90.459122,96.422417

16.5213909,-1.131506,9.900902,-0.077468,9.965650,90.445389,96.519653

16.5238247,-1.095614,9.900902,-0.070289,9.961585,90.404282,96.314545

16.5262585,-1.112363,9.867402,-0.051147,9.930035,90.295113,96.431862

16.5286922,-1.143470,9.924830,-0.060718,9.990669,90.348213,96.572243

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16.5335579,-1.119542,9.920045,-0.048754,9.983138,90.279808,96.438957

16.5359936,-1.105185,9.891331,-0.039182,9.952959,90.225563,96.375366

16.5384274,-1.129113,9.893723,-0.053539,9.958089,90.308052,96.510666

16.5408611,-1.098006,9.893723,-0.063111,9.954665,90.363243,96.332779

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16.6114502,-1.102792,9.922438,-0.063111,9.983732,90.362190,96.341896

16.6138859,-1.117149,9.888938,-0.072682,9.952106,90.418442,96.445351

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16.8548851,-1.121935,9.898509,-0.118146,9.962589,90.679482,96.466522

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17.0325890,-1.150649,9.910473,-0.041575,9.977134,90.238754,96.622635

17.0350227,-1.167398,9.910473,-0.046361,9.979100,90.266190,96.718163

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17.3173866,-1.184148,9.903295,-0.079860,9.974158,90.458755,96.818550

17.3198204,-1.162613,9.908080,-0.089432,9.976459,90.513618,96.692474

17.3222561,-1.188934,9.910473,-0.082253,9.981874,90.472137,96.840935

17.3246899,-1.196112,9.910473,-0.096610,9.982860,90.554497,96.881844

17.3271217,-1.169791,9.905687,-0.077468,9.974821,90.444984,96.735031

17.3295574,-1.176970,9.910473,-0.067896,9.980348,90.389786,96.772736

17.3319893,-1.162613,9.893723,-0.046361,9.961906,90.266647,96.702095

17.3344250,-1.148256,9.912866,-0.048754,9.979267,90.279922,96.607407

17.3368607,-1.131506,9.884152,-0.058325,9.948878,90.335899,96.530609

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17.3417282,-1.129113,9.867402,-0.055932,9.931951,90.322662,96.527885

17.3441620,-1.102792,9.872188,-0.072682,9.933857,90.419212,96.373917

17.3465958,-1.124328,9.881760,-0.053539,9.945660,90.308434,96.491089

17.3490314,-1.121935,9.869795,-0.075075,9.933641,90.433022,96.485176

17.3514652,-1.124328,9.900902,-0.089432,9.964937,90.514214,96.478645

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17.3563328,-1.105185,9.903295,-0.082253,9.965112,90.472931,96.367729

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17.3612003,-1.112363,9.896116,-0.103789,9.958978,90.597122,96.413361

17.3636360,-1.095614,9.910473,-0.101396,9.971366,90.582634,96.308495

17.3660679,-1.088435,9.884152,-0.072682,9.944166,90.418777,96.284050

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17.3904114,-1.160220,9.910473,-0.077468,9.978456,90.444817,96.677231

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17.4050198,-1.141077,9.908080,-0.106182,9.974135,90.609962,96.569603

17.4074554,-1.157827,9.896116,-0.106182,9.964184,90.610573,96.673157

17.4098873,-1.145863,9.905687,-0.113360,9.972386,90.651314,96.598495

17.4123230,-1.153041,9.886545,-0.079860,9.953876,90.459694,96.652199

17.4147587,-1.155434,9.891331,-0.070289,9.958836,90.404396,96.662689

17.4171906,-1.150649,9.898509,-0.070289,9.965411,90.404129,96.630569

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17.4244938,-1.150649,9.905687,-0.075075,9.972576,90.431335,96.625809

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17.4829140,-1.169791,9.917651,-0.070289,9.986649,90.403267,96.726982

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17.4902153,-1.160220,9.915258,-0.113360,9.983552,90.650589,96.674034

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17.4950829,-1.167398,9.915258,-0.101396,9.984260,90.581879,96.714951

17.4975147,-1.150649,9.912866,-0.096610,9.979891,90.554657,96.621048

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17.5048180,-1.107578,9.912866,-0.099003,9.975041,90.568672,96.375290

17.5072517,-1.136292,9.888938,-0.087039,9.954388,90.500984,96.554840

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17.5534992,-1.184148,9.888938,-0.043968,9.959681,90.252937,96.828354

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17.5705395,-1.172184,9.884152,-0.084646,9.953775,90.487244,96.763245

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17.5924454,-1.150649,9.912866,-0.115753,9.980095,90.664551,96.621048

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17.7749996,-1.105185,9.922438,-0.058325,9.983968,90.334717,96.355545

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17.7993431,-1.176970,9.876974,-0.065504,9.947068,90.377304,96.795494

17.8017769,-1.186541,9.891331,-0.077468,9.962545,90.445534,96.840385

17.8042126,-1.162613,9.903295,-0.077468,9.971605,90.445122,96.695679

17.8066463,-1.165006,9.876974,-0.046361,9.945552,90.267082,96.727051

17.8090801,-1.172184,9.881760,-0.063111,9.951240,90.363373,96.764870

17.8115158,-1.153041,9.888938,-0.065504,9.956148,90.376961,96.650604

17.8139477,-1.169791,9.884152,-0.075075,9.953418,90.432167,96.749573

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17.8188152,-1.184148,9.884152,-0.120538,9.955562,90.693733,96.831627

17.8212490,-1.193719,9.898509,-0.134895,9.971141,90.775154,96.876427

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17.8261166,-1.165006,9.924830,-0.127717,9.993789,90.732239,96.694908

17.8285503,-1.129113,9.929616,-0.094217,9.994051,90.540154,96.487335

17.8309841,-1.141077,9.929616,-0.113360,9.995608,90.649803,96.555481

17.8334160,-1.126720,9.927223,-0.094217,9.991404,90.540298,96.475250

17.8358517,-1.143470,9.936794,-0.130110,10.003217,90.745255,96.564400

17.8382835,-1.136292,9.929616,-0.115753,9.995090,90.663559,96.528221

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17.8455849,-1.162613,9.910473,-0.079860,9.978754,90.458549,96.690872

17.8480206,-1.150649,9.905687,-0.063111,9.972493,90.362595,96.625809

17.8504543,-1.157827,9.893723,-0.048754,9.961361,90.280426,96.674759

17.8528881,-1.157827,9.867402,-0.058325,9.935270,90.336357,96.692406

17.8553219,-1.167398,9.860224,-0.055932,9.929248,90.322754,96.752083

17.8577538,-1.165006,9.874580,-0.063111,9.943267,90.363663,96.728668

17.8601894,-1.174577,9.855438,-0.099003,9.925678,90.571503,96.796486

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17.8650570,-1.179362,9.879367,-0.099003,9.950005,90.570107,96.807541

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17.8772297,-1.157827,9.936794,-0.115753,10.004691,90.662918,96.646088

17.8796616,-1.188934,9.917651,-0.115753,9.989332,90.663940,96.836029

17.8820972,-1.210469,9.929616,-0.110967,10.003740,90.635567,96.950348

17.8845329,-1.229612,9.936794,-0.115753,10.013252,90.662354,97.054108

17.8869648,-1.232005,9.927223,-0.115753,10.004049,90.662964,97.074440

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17.8918362,-1.215255,9.908080,-0.103789,9.982869,90.595695,96.992569

17.8942680,-1.234397,9.912866,-0.072682,9.989691,90.416870,97.098206

17.8967018,-1.224826,9.924830,-0.058325,10.000293,90.334167,97.035316

17.8991356,-1.215255,9.936794,-0.036790,10.010898,90.210564,96.972565

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17.9088745,-1.165006,9.910473,0.027817,9.978752,89.840286,96.704521

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17.9137421,-1.227219,9.876974,0.020638,9.952945,89.881195,97.082733

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17.9186115,-1.251147,9.891331,-0.024826,9.970176,90.142662,97.209015

17.9210453,-1.248754,9.874580,-0.022433,9.953252,90.129135,97.207451

17.9234791,-1.258326,9.891331,-0.010469,9.971054,90.060158,97.249939

17.9259129,-1.265504,9.891331,-0.029611,9.972001,90.170135,97.290855

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17.9380817,-1.198505,9.903295,-0.034397,9.975613,90.197563,96.900429

17.9405136,-1.186541,9.908080,-0.041575,9.978961,90.238708,96.828926

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17.9478168,-1.220040,9.908080,-0.043968,9.983009,90.252350,97.019829

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17.9551182,-1.236790,9.915258,-0.063111,9.992296,90.361877,97.110123

17.9575539,-1.222433,9.910473,-0.060718,9.985765,90.348389,97.031776

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17.9648552,-1.198505,9.896116,-0.041575,9.968513,90.238960,96.905380

17.9672871,-1.176970,9.891331,-0.043968,9.961205,90.252899,96.785721

17.9697227,-1.184148,9.891331,-0.060718,9.962144,90.349213,96.826721

17.9721565,-1.184148,9.879367,-0.079860,9.950400,90.459854,96.834908

17.9745903,-1.174577,9.896116,-0.089432,9.965980,90.514160,96.768806

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17.9818935,-1.157827,9.874580,-0.089432,9.942630,90.515373,96.687584

17.9843292,-1.172184,9.874580,-0.099003,9.944404,90.570427,96.769745

17.9867649,-1.191327,9.888938,-0.075075,9.960722,90.431847,96.869354

17.9891968,-1.169791,9.908080,-0.077468,9.977198,90.444878,96.733421

17.9916325,-1.145863,9.886545,-0.077468,9.953029,90.445953,96.611153

17.9940662,-1.162613,9.886545,-0.067896,9.954901,90.390785,96.706917

17.9965000,-1.157827,9.881760,-0.058325,9.949530,90.335876,96.682770

17.9989338,-1.160220,9.896116,-0.053539,9.964040,90.307869,96.686829

18.0013695,-1.133899,9.881760,-0.065504,9.946818,90.377319,96.545868

18.0038013,-1.150649,9.910473,-0.089432,9.977448,90.513573,96.622635

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18.0135403,-1.148256,9.905687,-0.058325,9.972188,90.335114,96.612152

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18.0184078,-1.162613,9.910473,-0.034397,9.978494,90.197502,96.690872

18.0208416,-1.160220,9.898509,-0.024826,9.966304,90.142723,96.685226

18.0232754,-1.131506,9.886545,-0.005683,9.951086,90.032722,96.529037

18.0257092,-1.145863,9.910473,0.008674,9.976501,89.950188,96.595337

18.0281448,-1.150649,9.900902,0.003888,9.967541,89.977646,96.628983

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18.0330124,-1.193719,9.905687,-0.022433,9.977380,90.128822,96.871490

18.0354462,-1.193719,9.900902,-0.041575,9.972691,90.238861,96.874779

18.0378780,-1.196112,9.898509,-0.048754,9.970634,90.280159,96.890083

18.0403137,-1.186541,9.912866,-0.051147,9.983757,90.293526,96.825661

18.0427456,-1.229612,9.915258,-0.058325,9.991382,90.334465,97.069275

18.0451794,-1.193719,9.893723,-0.058325,9.965648,90.335335,96.879723

18.0476151,-1.217648,9.884152,-0.063111,9.959072,90.363083,97.022995

18.0500469,-1.205683,9.900902,-0.041575,9.974130,90.238831,96.943016

18.0524826,-1.184148,9.910473,-0.017647,9.980982,90.101303,96.813652

18.0549183,-1.193719,9.891331,-0.032004,9.963153,90.184052,96.881371

18.0573502,-1.181755,9.908080,-0.017647,9.978322,90.101334,96.801643

18.0597858,-1.169791,9.908080,-0.003290,9.976896,90.018898,96.733421

18.0622196,-1.186541,9.884152,-0.010469,9.955122,90.060249,96.845306

18.0646534,-1.210469,9.862617,-0.048754,9.936741,90.281120,96.997093

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18.0792580,-1.172184,9.900902,-0.051147,9.970180,90.293922,96.751915

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18.0865612,-1.198505,9.900902,-0.077468,9.973478,90.445038,96.902077

18.0889950,-1.200898,9.881760,-0.072682,9.954728,90.418335,96.928993

18.0914288,-1.179362,9.886545,-0.079860,9.956960,90.459549,96.802650

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18.0962982,-1.162613,9.874580,-0.034397,9.942846,90.198212,96.714973

18.0987320,-1.179362,9.879367,-0.015254,9.949523,90.087845,96.807541

18.1011658,-1.176970,9.898509,-0.036790,9.968305,90.211456,96.780846

18.1036015,-1.215255,9.862617,-0.027218,9.937243,90.156937,97.024483

18.1060333,-1.227219,9.917651,-0.067896,9.993522,90.389275,97.053970

18.1084690,-1.234397,9.898509,-0.077468,9.975481,90.444954,97.108398

18.1109047,-1.215255,9.912866,-0.089432,9.987479,90.513054,96.989227

18.1133385,-1.205683,9.891331,-0.082253,9.964882,90.472946,96.949669

18.1157722,-1.239183,9.893723,-0.075075,9.971308,90.431389,97.139084

18.1182060,-1.217648,9.903295,-0.065504,9.978086,90.376137,97.009552

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18.1255074,-1.200898,9.898509,0.018245,9.971107,89.895157,96.917381

18.1279411,-1.203291,9.903295,0.001496,9.976129,89.991409,96.927711

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18.1328087,-1.229612,9.900902,-0.058325,9.977134,90.334946,97.079422

18.1352425,-1.263111,9.920045,-0.082253,10.000475,90.471260,97.256378

18.1376781,-1.258326,9.900902,-0.094217,9.980988,90.540863,97.243004

18.1401100,-1.227219,9.896116,-0.122931,9.972677,90.706291,97.069168

18.1425438,-1.236790,9.915258,-0.096610,9.992563,90.553955,97.110123

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18.1741867,-1.184148,9.888938,-0.077468,9.959885,90.445648,96.828354

18.1766224,-1.227219,9.874580,-0.053539,9.950692,90.308281,97.084427

18.1790543,-1.236790,9.881760,-0.008076,9.958859,90.046463,97.133980

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18.1912270,-1.198505,9.908080,-0.010469,9.980309,90.060097,96.897125

18.1936607,-1.188934,9.891331,-0.027218,9.962566,90.156532,96.854042

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18.1985302,-1.208076,9.891331,-0.036790,9.964900,90.211533,96.963326

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18.2788544,-1.243969,9.905687,-0.060718,9.983676,90.348457,97.157806

18.2812862,-1.265504,9.905687,-0.108574,9.986788,90.622917,97.280403

18.2837219,-1.224826,9.876974,-0.084646,9.952989,90.487282,97.069061

18.2861557,-1.253540,9.881760,-0.075075,9.961233,90.431824,97.229576

18.2885895,-1.232005,9.903295,-0.065504,9.979848,90.376068,97.091362

18.2910233,-1.215255,9.900902,-0.036790,9.975272,90.211311,96.997589

18.2934589,-1.224826,9.917651,-0.048754,9.993116,90.279533,97.040359

18.2958908,-1.243969,9.884152,-0.048754,9.962244,90.280396,97.173241

18.2983265,-1.267897,9.905687,-0.060718,9.986686,90.348351,97.294022

18.3007603,-1.279861,9.912866,-0.084646,9.995505,90.485207,97.356819

18.3031940,-1.260718,9.903295,-0.070289,9.983466,90.403397,97.254898

18.3056278,-1.267897,9.912866,-0.084646,9.993979,90.485283,97.288795

18.3080616,-1.243969,9.910473,-0.079860,9.988559,90.458099,97.154388

18.3104935,-1.229612,9.888938,-0.055932,9.965248,90.321587,97.087898

18.3129292,-1.236790,9.886545,-0.058325,9.963776,90.335396,97.130562

18.3153629,-1.203291,9.888938,-0.048754,9.961997,90.280403,96.937668

18.3177967,-1.205683,9.893723,-0.063111,9.967117,90.362793,96.948006

18.3202324,-1.184148,9.900902,-0.072682,9.971727,90.417618,96.820183

18.3226643,-1.186541,9.936794,-0.072682,10.007649,90.416122,96.809380

18.3250999,-1.193719,9.900902,-0.065504,9.972818,90.376335,96.874779

18.3275337,-1.196112,9.910473,-0.048754,9.982512,90.279831,96.881844

18.3299675,-1.186541,9.898509,-0.032004,9.969422,90.183929,96.835472

18.3324032,-1.198505,9.917651,-0.020040,9.989826,90.114937,96.890533

18.3348370,-1.196112,9.896116,-0.020040,9.968160,90.115189,96.891731

18.3372707,-1.174577,9.910473,-0.005683,9.979836,90.032623,96.759094

18.3397064,-1.198505,9.905687,0.013460,9.977938,89.922714,96.898773

18.3421402,-1.203291,9.881760,0.011067,9.954758,89.936302,96.942665

18.3445740,-1.212862,9.881760,-0.005683,9.955914,90.032707,96.997337

18.3470097,-1.205683,9.888938,-0.015254,9.962178,90.087730,96.951332

18.3494434,-1.215255,9.879367,-0.032004,9.953881,90.184219,97.012688

18.3518772,-1.210469,9.881760,-0.020040,9.955642,90.115334,96.983673

18.3543129,-1.203291,9.903295,-0.010469,9.976134,90.060127,96.927711

18.3567467,-1.217648,9.884152,-0.010469,9.958878,90.060226,97.022995

18.3591805,-1.176970,9.886545,-0.005683,9.956358,90.032707,96.788971

18.3616142,-1.181755,9.908080,-0.003290,9.978307,90.018890,96.801643

18.3640480,-1.184148,9.874580,-0.008076,9.945332,90.046524,96.838188

18.3664818,-1.176970,9.893723,-0.046361,9.963593,90.266602,96.784096

18.3689175,-1.176970,9.908080,-0.051147,9.977872,90.293701,96.774353

18.3713512,-1.191327,9.872188,-0.058325,9.943980,90.336060,96.880898

18.3737850,-1.188934,9.910473,-0.041575,9.981622,90.238647,96.840935

18.3762207,-1.217648,9.905687,-0.039182,9.980323,90.224945,97.007874

18.3786526,-1.229612,9.888938,-0.027218,9.965128,90.156494,97.087898

18.3810883,-1.220040,9.891331,-0.015254,9.966301,90.087692,97.031601

18.3835239,-1.215255,9.886545,0.008674,9.960958,89.950104,97.007645

18.3859558,-1.200898,9.896116,0.020638,9.968737,89.881378,96.919037

18.3883915,-1.198505,9.874580,0.025424,9.947081,89.853554,96.920296

18.3908253,-1.205683,9.881760,0.008674,9.955045,89.950081,96.956329

18.3932590,-1.241576,9.898509,-0.000897,9.976071,90.005150,97.149307

18.3956947,-1.229612,9.915258,0.013460,9.991220,89.922813,97.069275

18.3981285,-1.232005,9.900902,0.006281,9.977261,89.963928,97.093056

18.4005623,-1.243969,9.874580,0.013460,9.952637,89.922516,97.180122

18.4029961,-1.222433,9.891331,0.013460,9.966592,89.922623,97.045250

18.4054298,-1.232005,9.886545,0.030209,9.963058,89.826271,97.103256

18.4078655,-1.215255,9.855438,0.013460,9.930090,89.922340,97.029549

18.4102993,-1.205683,9.881760,0.052044,9.955177,89.700470,96.956329

18.4127312,-1.193719,9.874580,0.049651,9.946596,89.713989,96.892929

18.4151669,-1.210469,9.886545,0.006281,9.960374,89.963867,96.980324

18.4176006,-1.232005,9.898509,-0.017647,9.974900,90.101364,97.094757

18.4200344,-1.215255,9.886545,-0.027218,9.960992,90.156563,97.007645

18.4224682,-1.224826,9.876974,-0.024826,9.952660,90.142914,97.069061

18.4249020,-1.227219,9.869795,-0.041575,9.945886,90.239502,97.087830

18.4273357,-1.217648,9.869795,-0.048754,9.944742,90.280891,97.033104

18.4297695,-1.203291,9.884152,-0.020040,9.957148,90.115311,96.941002

18.4322052,-1.184148,9.884152,-0.000897,9.954832,90.005165,96.831627

18.4346371,-1.181755,9.843474,-0.003290,9.914159,90.019012,96.845863

18.4370728,-1.167398,9.867402,-0.048754,9.936338,90.281128,96.747215

18.4395046,-1.176970,9.865009,-0.072682,9.935237,90.419159,96.803658

18.4419384,-1.167398,9.888938,-0.084646,9.957965,90.487038,96.732658

18.4443741,-1.179362,9.910473,-0.084646,9.980758,90.485924,96.786377

18.4468060,-1.148256,9.900902,-0.077468,9.967565,90.445305,96.615318

18.4492416,-1.165006,9.932009,-0.094217,10.000546,90.539803,96.690117

18.4516754,-1.153041,9.876974,-0.089432,9.944451,90.515274,96.658592

18.4541092,-1.157827,9.896116,-0.058325,9.963789,90.335396,96.673157

18.4565430,-1.169791,9.865009,-0.043968,9.934221,90.253586,96.762543

18.4589748,-1.133899,9.872188,-0.005683,9.937095,90.032768,96.552162

18.4614105,-1.138685,9.896116,0.008674,9.961415,89.950111,96.563805

18.4638443,-1.181755,9.876974,0.011067,9.947426,89.936256,96.822861

18.4662781,-1.150649,9.912866,-0.005683,9.979425,90.032631,96.621048

18.4687119,-1.162613,9.881760,0.013460,9.949925,89.922493,96.710136

18.4711456,-1.198505,9.912866,0.037687,9.985126,89.783745,96.893829

18.4735794,-1.174577,9.905687,0.030209,9.975128,89.826485,96.762329

18.4760132,-1.212862,9.915258,0.015852,9.989176,89.909073,96.973930

18.4784489,-1.203291,9.886545,0.032602,9.959556,89.812447,96.939339

18.4808807,-1.227219,9.884152,0.015852,9.960060,89.908806,97.077637

18.4833145,-1.222433,9.879367,0.003888,9.954710,89.977623,97.053696

18.4857483,-1.222433,9.905687,0.003888,9.980832,89.977676,97.035141

18.4881821,-1.205683,9.891331,0.006281,9.964544,89.963882,96.949669

18.4906178,-1.200898,9.896116,0.013460,9.968724,89.922638,96.919037

18.4930496,-1.174577,9.893723,0.003888,9.963202,89.977638,96.770432

18.4954853,-1.188934,9.881760,0.025424,9.953059,89.853645,96.860619

18.4979191,-1.198505,9.920045,0.027817,9.992221,89.840500,96.888885

18.5003529,-1.220040,9.915258,0.023031,9.990064,89.867912,97.014801

18.5027866,-1.232005,9.903295,0.001496,9.979633,89.991417,97.091362

18.5052223,-1.243969,9.912866,-0.008076,9.990617,90.046318,97.152679

18.5076542,-1.227219,9.888938,-0.003290,9.964796,90.018921,97.074249

18.5100880,-1.215255,9.891331,-0.012861,9.965714,90.073944,97.004295

18.5125237,-1.210469,9.893723,-0.008076,9.967501,90.046425,96.975311

18.5149574,-1.200898,9.865009,-0.010469,9.937840,90.060356,96.940643

18.5173931,-1.208076,9.869795,0.008674,9.943459,89.950020,96.978371

18.5198250,-1.203291,9.876974,0.003888,9.950002,89.977608,96.945992

18.5222607,-1.193719,9.891331,0.008674,9.963105,89.950119,96.881371

18.5246944,-1.186541,9.898509,-0.003290,9.969372,90.018906,96.835472

18.5271282,-1.198505,9.876974,-0.043968,9.949521,90.253197,96.918640

18.5295639,-1.208076,9.893723,-0.012861,9.967216,90.073936,96.961655

18.5319977,-1.203291,9.886545,-0.034397,9.959561,90.197884,96.939339

18.5344315,-1.186541,9.893723,-0.020040,9.964640,90.115227,96.838745

18.5368671,-1.198505,9.903295,-0.008076,9.975556,90.046387,96.900429

18.5393028,-1.203291,9.888938,0.011067,9.961884,89.936348,96.937668

18.5417347,-1.203291,9.879367,0.001496,9.952376,89.991394,96.944328

18.5441704,-1.224826,9.910473,0.027817,9.985912,89.840401,97.045403

18.5466042,-1.241576,9.898509,0.006281,9.976073,89.963928,97.149307

18.5490379,-1.241576,9.898509,-0.005683,9.976072,90.032639,97.149307

18.5514717,-1.246361,9.891331,-0.034397,9.969604,90.197678,97.181732

18.5539074,-1.265504,9.898509,-0.039182,9.979155,90.224968,97.285622

18.5563393,-1.265504,9.896116,-0.041575,9.976790,90.238762,97.287369

18.5587749,-1.263111,9.898509,-0.015254,9.978786,90.087585,97.271996

18.5612087,-1.260718,9.888938,-0.015254,9.968988,90.087669,97.265320

18.5636425,-1.263111,9.900902,-0.005683,9.981149,90.032623,97.270256

18.5660782,-1.246361,9.896116,0.025424,9.974326,89.853958,97.178291

18.5685101,-1.263111,9.869795,-0.012861,9.950300,90.074059,97.292923

18.5709438,-1.241576,9.884152,0.015852,9.961839,89.908821,97.159584

18.5733795,-1.241576,9.900902,0.006281,9.978447,89.963936,97.147598

18.5758114,-1.232005,9.910473,0.049651,9.986880,89.715149,97.086281

18.5782471,-1.251147,9.893723,0.025424,9.972551,89.853935,97.207291

18.5806808,-1.284647,9.917651,0.008674,10.000509,89.950302,97.380501

18.5831146,-1.275075,9.876974,0.013460,9.958946,89.922562,97.355957

18.5855503,-1.243969,9.893723,-0.024826,9.971652,90.142647,97.166374

18.5879841,-1.277468,9.881760,-0.017647,9.964005,90.101479,97.366081

18.5904160,-1.246361,9.881760,-0.010469,9.960054,90.060219,97.188614

18.5928497,-1.267897,9.860224,-0.012861,9.941416,90.074127,97.327286

18.5952854,-1.263111,9.900902,-0.000897,9.981148,90.005150,97.270256

18.5977173,-1.263111,9.905687,-0.003290,9.985895,90.018875,97.266785

18.6001511,-1.251147,9.912866,-0.003290,9.991510,90.018867,97.193520

18.6025848,-1.246361,9.898509,-0.000897,9.976667,90.005150,97.176575

18.6050205,-1.265504,9.891331,-0.015254,9.971969,90.087646,97.290855

18.6074543,-1.248754,9.896116,-0.041575,9.974680,90.238815,97.191933

18.6098881,-1.275075,9.900902,-0.020040,9.982689,90.115021,97.338371

18.6123238,-1.279861,9.910473,-0.017647,9.992789,90.101181,97.358582

18.6147575,-1.279861,9.905687,-0.020040,9.988048,90.114960,97.362099

18.6171913,-1.299004,9.903295,-0.027218,9.988162,90.156136,97.472755

18.6196251,-1.275075,9.900902,-0.024826,9.982699,90.142487,97.338371

18.6220589,-1.287040,9.905687,-0.024826,9.988980,90.142395,97.402931

18.6244926,-1.277468,9.888938,0.015852,9.971122,89.908913,97.360794

18.6269283,-1.306182,9.908080,0.044865,9.993907,89.742783,97.509995

18.6293640,-1.272683,9.903295,0.025424,9.984769,89.854111,97.323006

18.6317978,-1.265504,9.888938,0.015852,9.969596,89.908897,97.292603

18.6342316,-1.282254,9.896116,0.040080,9.978923,89.769875,97.382767

18.6366673,-1.263111,9.896116,0.035294,9.976463,89.797302,97.273735

18.6391010,-1.258326,9.869795,0.030209,9.949731,89.826035,97.265587

18.6415348,-1.255933,9.874580,0.027817,9.954169,89.839890,97.248444

18.6439686,-1.255933,9.862617,0.025424,9.942294,89.853485,97.257141

18.6464024,-1.272683,9.888938,0.042473,9.970588,89.755928,97.333519

18.6488380,-1.232005,9.886545,0.035294,9.963075,89.797028,97.103256

18.6512699,-1.241576,9.888938,0.061615,9.966764,89.645790,97.156151

18.6537037,-1.251147,9.886545,0.054437,9.965546,89.687019,97.212471

18.6561394,-1.255933,9.915258,0.064008,9.994689,89.633064,97.219025

18.6585712,-1.251147,9.896116,0.056830,9.975055,89.673576,97.205566

18.6610069,-1.260718,9.910473,0.042473,9.990430,89.756416,97.249702

18.6634407,-1.248754,9.900902,0.052044,9.979477,89.701195,97.188492

18.6658745,-1.251147,9.869795,0.054437,9.948929,89.686501,97.224579

18.6683083,-1.253540,9.888938,0.044865,9.968173,89.742119,97.224388

18.6707439,-1.277468,9.915258,0.044865,9.997314,89.742867,97.341469

18.6731758,-1.260718,9.896116,0.013460,9.976107,89.922699,97.260101

18.6756115,-1.279861,9.893723,-0.000897,9.976162,90.005150,97.370903

18.6780434,-1.308575,9.881760,-0.003290,9.968026,90.018913,97.543404

18.6804771,-1.296611,9.896116,0.011067,9.980703,89.936470,97.464500

18.6829128,-1.272683,9.886545,-0.003290,9.968124,90.018913,97.335274

18.6853447,-1.284647,9.891331,-0.015254,9.974416,90.087624,97.399925

18.6877804,-1.291825,9.874580,-0.027218,9.958759,90.156593,97.453293

18.6902142,-1.296611,9.896116,-0.024826,9.980728,90.142517,97.464500

18.6926460,-1.277468,9.893723,0.006281,9.975858,89.963928,97.357269

18.6950817,-1.255933,9.876974,0.008674,9.956509,89.950081,97.246704

18.6975136,-1.263111,9.879367,-0.000897,9.959786,90.005165,97.285934

18.6999474,-1.227219,9.891331,-0.017647,9.967186,90.101440,97.072556

18.7023830,-1.227219,9.896116,-0.000897,9.971920,90.005157,97.069168

18.7048149,-1.243969,9.910473,-0.005683,9.988241,90.032600,97.154388

18.7072506,-1.224826,9.905687,-0.022433,9.981150,90.128777,97.048775

18.7096844,-1.248754,9.898509,-0.015254,9.976978,90.087601,97.190208

18.7121181,-1.251147,9.915258,0.006281,9.993886,89.963989,97.191803

18.7145519,-1.239183,9.891331,0.030209,9.968697,89.826370,97.140793

18.7169876,-1.234397,9.881760,-0.005683,9.958561,90.032700,97.120323

18.7194195,-1.236790,9.881760,0.013460,9.958865,89.922562,97.133980

18.7218552,-1.248754,9.874580,0.015852,9.953239,89.908745,97.207451

18.7242870,-1.243969,9.888938,-0.008076,9.966876,90.046425,97.169800

18.7267208,-1.258326,9.917651,0.001496,9.997159,89.991432,97.230904

18.7291565,-1.265504,9.893723,-0.020040,9.974351,90.115112,97.289108

18.7315884,-1.248754,9.917651,-0.015254,9.995970,90.087433,97.176476

18.7340240,-1.243969,9.905687,0.008674,9.983495,89.950218,97.157806

18.7364597,-1.263111,9.908080,0.020638,9.988290,89.881615,97.265045

18.7388916,-1.248754,9.898509,0.040080,9.977048,89.769829,97.190208

18.7413254,-1.253540,9.879367,0.052044,9.958713,89.700569,97.231316

18.7437611,-1.241576,9.879367,0.059222,9.957254,89.659225,97.163017

18.7461948,-1.248754,9.905687,0.023031,9.984116,89.867836,97.185051

18.7486286,-1.248754,9.896116,0.025424,9.974626,89.853966,97.191933

18.7510643,-1.241576,9.888938,0.013460,9.966583,89.922623,97.156151

18.7534962,-1.277468,9.886545,0.011067,9.968742,89.936394,97.362556

18.7559319,-1.253540,9.884152,0.035294,9.963387,89.797035,97.227852

18.7583637,-1.251147,9.876974,0.003888,9.955903,89.977623,97.219383

18.7607994,-1.253540,9.888938,0.013460,9.968081,89.922638,97.224388

18.7632332,-1.291825,9.879367,0.013460,9.963478,89.922600,97.449722

18.7656670,-1.263111,9.891331,0.011067,9.971660,89.936409,97.277214

18.7681026,-1.248754,9.896116,0.027817,9.974631,89.840218,97.191933

18.7705364,-1.248754,9.908080,0.020638,9.986485,89.881592,97.183334

18.7729702,-1.227219,9.920045,0.006281,9.995668,89.963997,97.052292

18.7754059,-1.253540,9.910473,0.025424,9.989469,89.854179,97.208855

18.7778397,-1.255933,9.888938,-0.000897,9.968373,90.005157,97.238029

18.7802734,-1.229612,9.879367,0.003888,9.955594,89.977623,97.094696

18.7827091,-1.239183,9.869795,0.001496,9.947282,89.991386,97.156212

18.7851429,-1.246361,9.884152,0.001496,9.962423,89.991402,97.186890

18.7875767,-1.239183,9.896116,-0.015254,9.973411,90.087631,97.137375

18.7900105,-1.220040,9.872188,-0.008076,9.947294,90.046516,97.045097

18.7924461,-1.267897,9.888938,-0.005683,9.969889,90.032661,97.306236

18.7948799,-1.251147,9.896116,0.006281,9.974895,89.963921,97.205566

18.7973156,-1.255933,9.876974,0.023031,9.956532,89.867470,97.246704

18.7997494,-1.260718,9.881760,-0.000897,9.961856,90.005157,97.270538

18.8021832,-1.246361,9.879367,0.006281,9.957678,89.963860,97.190338

18.8046169,-1.248754,9.905687,0.015852,9.984101,89.909027,97.185051

18.8070526,-1.275075,9.891331,0.018245,9.973193,89.895180,97.345398

18.8094864,-1.279861,9.891331,0.030209,9.973835,89.826462,97.372665

18.8119202,-1.289432,9.903295,0.035294,9.986947,89.797516,97.418312

18.8143559,-1.291825,9.872188,0.018245,9.956367,89.895004,97.455078

18.8167877,-1.287040,9.888938,0.042473,9.972430,89.755974,97.415329

18.8192215,-1.287040,9.893723,0.032602,9.977139,89.812775,97.411781

18.8216553,-1.263111,9.912866,0.030209,9.993061,89.826790,97.261574

18.8240891,-1.248754,9.912866,0.023031,9.991238,89.867928,97.179909

18.8265228,-1.251147,9.905687,0.011067,9.984394,89.936493,97.198677

18.8289566,-1.241576,9.872188,0.003888,9.949956,89.977608,97.168167

18.8313904,-1.234397,9.898509,-0.000897,9.975181,90.005157,97.108398

18.8338242,-1.236790,9.884152,-0.010469,9.961236,90.060211,97.132271

18.8362579,-1.229612,9.891331,0.003888,9.967466,89.977646,97.086205

18.8386917,-1.243969,9.905687,0.018245,9.983508,89.895287,97.157806

18.8411255,-1.267897,9.891331,-0.003290,9.972261,90.018906,97.304489

18.8435612,-1.270290,9.908080,0.006281,9.989181,89.963974,97.305893

18.8459949,-1.243969,9.896116,-0.020040,9.974015,90.115120,97.164658

18.8484268,-1.251147,9.910473,-0.029611,9.989181,90.169846,97.195236

18.8508625,-1.251147,9.879367,-0.034397,9.958335,90.197906,97.217651

18.8532963,-1.241576,9.900902,-0.012861,9.978454,90.073853,97.147598

18.8557281,-1.232005,9.884152,-0.020040,9.960658,90.115273,97.104958

18.8581619,-1.224826,9.898509,-0.000897,9.974000,90.005157,97.053833

18.8605976,-1.236790,9.886545,-0.008076,9.963609,90.046440,97.130562

18.8630295,-1.243969,9.867402,-0.012861,9.945514,90.074097,97.185287

18.8654633,-1.270290,9.865009,-0.010469,9.946465,90.060303,97.337440

18.8678970,-1.255933,9.874580,-0.003290,9.954130,90.018936,97.248444

18.8703308,-1.275075,9.874580,-0.010469,9.956569,90.060242,97.357719

18.8727646,-1.236790,9.900902,-0.003290,9.977851,90.018890,97.120331

18.8751984,-1.243969,9.869795,0.001496,9.947880,89.991386,97.183563

18.8776340,-1.246361,9.881760,0.003888,9.960051,89.977631,97.188614

18.8800678,-1.265504,9.908080,-0.005683,9.988573,90.032600,97.278664

18.8824997,-1.258326,9.888938,0.015852,9.968687,89.908890,97.251678

18.8849354,-1.239183,9.891331,0.018245,9.968668,89.895134,97.140793

18.8873672,-1.253540,9.903295,0.015852,9.982327,89.909012,97.214027

18.8898029,-1.270290,9.893723,0.025424,9.974972,89.853966,97.316376

18.8922386,-1.289432,9.898509,0.030209,9.982186,89.826607,97.421860

18.8946705,-1.289432,9.888938,0.023031,9.972675,89.867683,97.428963

18.8971043,-1.294218,9.917651,0.023031,10.001767,89.868065,97.434883

18.8995380,-1.301396,9.893723,0.035294,9.979011,89.797356,97.493530

18.9019718,-1.291825,9.912866,0.020638,9.996707,89.881714,97.424828

18.9044056,-1.313361,9.893723,0.018245,9.980532,89.895256,97.561623

18.9068413,-1.303789,9.910473,0.027817,9.995905,89.840561,97.494606

18.9092731,-1.320539,9.905687,0.059222,9.993497,89.660461,97.593399

18.9117069,-1.308575,9.903295,0.054437,9.989523,89.687775,97.527191

18.9141426,-1.313361,9.903295,0.049651,9.990126,89.715240,97.554398

18.9165745,-1.325325,9.879367,0.042473,9.967957,89.755867,97.640656

18.9190102,-1.325325,9.886545,0.003888,9.974982,89.977669,97.635170

18.9214420,-1.306182,9.891331,-0.027218,9.977238,90.156303,97.522568

18.9238758,-1.325325,9.888938,-0.024826,9.977385,90.142563,97.633347

18.9263115,-1.284647,9.881760,-0.020040,9.964933,90.115227,97.407013

18.9287453,-1.289432,9.903295,-0.015254,9.986897,90.087517,97.418312

18.9311790,-1.294218,9.922438,-0.020040,10.006507,90.114746,97.431335

18.9336128,-1.287040,9.884152,-0.053539,9.967738,90.307755,97.418884

18.9360466,-1.296611,9.884152,-0.051147,9.968966,90.293961,97.473427

18.9384804,-1.277468,9.876974,-0.036790,9.959312,90.211647,97.369614

18.9409122,-1.246361,9.862617,-0.032004,9.941109,90.184456,97.202423

18.9433479,-1.239183,9.888938,-0.015254,9.966288,90.087692,97.142502

18.9457817,-1.267897,9.867402,0.003888,9.948527,89.977608,97.322014

18.9482136,-1.251147,9.869795,0.027817,9.948818,89.839806,97.224579

18.9506493,-1.220040,9.900902,0.037687,9.975860,89.783546,97.024872

18.9530830,-1.236790,9.903295,0.023031,9.980251,89.867783,97.118629

18.9555149,-1.234397,9.905687,-0.003290,9.982304,90.018883,97.103294

18.9579506,-1.222433,9.886545,0.023031,9.961860,89.867538,97.048630

18.9603863,-1.229612,9.860224,0.027817,9.936636,89.839607,97.108330

18.9628181,-1.212862,9.900902,0.025424,9.974945,89.853966,96.983948

18.9652519,-1.232005,9.898509,0.032602,9.974937,89.812737,97.094757

18.9676857,-1.265504,9.903295,0.018245,9.983841,89.895294,97.282143

18.9701195,-1.263111,9.874580,0.042473,9.955129,89.755554,97.289429

18.9725533,-1.260718,9.891331,0.042473,9.971441,89.755951,97.263580

18.9749870,-1.270290,9.898509,0.032602,9.979738,89.812820,97.312881

18.9774208,-1.275075,9.908080,0.030209,9.989834,89.826736,97.333115

18.9798565,-1.258326,9.872188,0.011067,9.952065,89.936287,97.263847

18.9822884,-1.275075,9.869795,-0.008076,9.951820,90.046494,97.361252

18.9847240,-1.267897,9.903295,-0.036790,9.984195,90.211121,97.295761

18.9871578,-1.296611,9.908080,-0.063111,9.992759,90.361862,97.455589

18.9895916,-1.294218,9.905687,-0.051147,9.990008,90.293343,97.443756

18.9920254,-1.270290,9.891331,-0.041575,9.972652,90.238861,97.318130

18.9944611,-1.263111,9.888938,-0.015254,9.969292,90.087669,97.278961

18.9968948,-1.236790,9.881760,-0.008076,9.958859,90.046463,97.133980

18.9993286,-1.227219,9.884152,0.001496,9.960047,89.991394,97.077637

19.0017624,-1.229612,9.893723,0.023031,9.969867,89.867645,97.084511

19.0041981,-1.210469,9.860224,0.037687,9.934318,89.782639,96.998772

19.0066319,-1.234397,9.850653,0.042473,9.927784,89.754883,97.142570

19.0090656,-1.222433,9.872188,0.030209,9.947631,89.826004,97.058777

19.0114994,-1.236790,9.855438,0.049651,9.932863,89.713593,97.152840

19.0139351,-1.212862,9.881760,0.037687,9.955984,89.783112,96.997337

19.0163670,-1.217648,9.905687,0.020638,9.980268,89.881516,97.007874

19.0188026,-1.227219,9.874580,0.068794,9.950786,89.603889,97.084427

19.0212364,-1.215255,9.879367,0.080758,9.954158,89.535156,97.012688

19.0236702,-1.232005,9.869795,0.085543,9.946758,89.507240,97.115189

19.0261040,-1.241576,9.891331,0.054437,9.969097,89.687134,97.154442

19.0285378,-1.253540,9.905687,0.040080,9.984769,89.770012,97.212303

19.0309715,-1.253540,9.900902,0.049651,9.980064,89.714951,97.215752

19.0334053,-1.267897,9.915258,0.092722,9.996425,89.468544,97.287056

19.0358391,-1.270290,9.924830,0.102293,10.006316,89.414261,97.293694

19.0382729,-1.282254,9.891331,0.075972,9.974386,89.563591,97.386299

19.0407085,-1.327717,9.915258,0.068794,10.003995,89.605995,97.626907

19.0431404,-1.366003,9.893723,0.040080,9.987659,89.770073,97.860992

19.0455742,-1.361217,9.884152,0.018245,9.977461,89.895226,97.841286

19.0480080,-1.349253,9.903295,-0.003290,9.994785,90.018860,97.758369

19.0504417,-1.332503,9.891331,-0.024826,9.980712,90.142517,97.672371

19.0528774,-1.356431,9.872188,-0.029611,9.964982,90.170258,97.823410

19.0553112,-1.303789,9.879367,-0.041575,9.965114,90.239044,97.517937

19.0577450,-1.253540,9.872188,-0.043968,9.951552,90.253143,97.236519

19.0601788,-1.270290,9.869795,-0.008076,9.951209,90.046501,97.333923

19.0626125,-1.241576,9.872188,-0.003290,9.949955,90.018944,97.168167

19.0650463,-1.272683,9.876974,-0.010469,9.958636,90.060226,97.342300

19.0674820,-1.251147,9.908080,0.006281,9.986764,89.963966,97.196960

19.0699158,-1.260718,9.886545,0.003888,9.966604,89.977646,97.267059

19.0723495,-1.260718,9.896116,0.030209,9.976144,89.826500,97.260101

19.0747833,-1.287040,9.917651,0.047258,10.000925,89.729256,97.394096

19.0772171,-1.315753,9.905687,0.042473,9.992780,89.756470,97.566200

19.0796509,-1.313361,9.872188,0.064008,9.959373,89.631760,97.577927

19.0820866,-1.339682,9.886545,0.023031,9.976926,89.867737,97.716896

19.0845184,-1.370788,9.898509,0.020638,9.992996,89.881668,97.884422

19.0869541,-1.351646,9.912866,0.032602,10.004644,89.813286,97.764549

19.0893879,-1.373181,9.905687,0.066401,10.000634,89.619576,97.892357

19.0918217,-1.344467,9.900902,0.059222,9.991944,89.660408,97.733032

19.0942574,-1.354038,9.900902,0.071186,9.993315,89.591858,97.787407

19.0966892,-1.342074,9.912866,0.061615,10.003493,89.647095,97.710228

19.0991230,-1.310968,9.903295,0.083151,9.990034,89.523102,97.540794

19.1015587,-1.318146,9.917651,0.047258,10.004976,89.729362,97.570763

19.1039906,-1.279861,9.905687,0.061615,9.988217,89.646553,97.362099

19.1064262,-1.267897,9.893723,0.044865,9.974735,89.742287,97.302742

19.1088619,-1.253540,9.860224,0.044865,9.939688,89.741379,97.245201

19.1112957,-1.263111,9.853045,0.035294,9.933741,89.796432,97.305191

19.1137295,-1.243969,9.855438,0.056830,9.933798,89.672218,97.193916

19.1161652,-1.234397,9.862617,0.064008,9.939771,89.631035,97.133995

19.1185970,-1.222433,9.886545,0.047258,9.961946,89.728195,97.048630

19.1210308,-1.222433,9.884152,0.059222,9.959635,89.659302,97.050316

19.1234665,-1.229612,9.893723,0.064008,9.970046,89.632156,97.084511

19.1259003,-1.260718,9.869795,0.047258,9.950100,89.727875,97.279259

19.1283340,-1.246361,9.905687,0.030209,9.983835,89.826630,97.171432

19.1307697,-1.246361,9.888938,0.015852,9.967184,89.908875,97.183449

19.1332035,-1.275075,9.879367,0.027817,9.961349,89.840004,97.354195

19.1356373,-1.279861,9.881760,-0.000897,9.964297,90.005157,97.379723

19.1380730,-1.260718,9.872188,0.032602,9.952415,89.812309,97.277512

19.1405048,-1.267897,9.876974,0.023031,9.958048,89.867485,97.314995

19.1429405,-1.267897,9.917651,0.047258,9.998480,89.729187,97.285316

19.1453743,-1.287040,9.886545,0.047258,9.970079,89.728416,97.417107

19.1478081,-1.287040,9.896116,0.037687,9.979529,89.783623,97.410011

19.1502438,-1.294218,9.920045,0.025424,10.004146,89.854393,97.433105

19.1526756,-1.284647,9.881760,0.032602,9.964966,89.812546,97.407013

19.1551113,-1.289432,9.874580,0.018245,9.958429,89.895027,97.439644

19.1575451,-1.279861,9.888938,0.025424,9.971449,89.853912,97.374428

19.1599770,-1.279861,9.881760,-0.008076,9.964300,90.046440,97.379723

19.1624107,-1.315753,9.884152,-0.034397,9.971402,90.197647,97.582489

19.1648464,-1.344467,9.905687,-0.063111,9.996711,90.361717,97.729340

19.1672802,-1.313361,9.908080,-0.067896,9.994977,90.389214,97.550797

19.1697140,-1.282254,9.891331,-0.046361,9.974204,90.266319,97.386299

19.1721497,-1.299004,9.903295,-0.029611,9.988170,90.169861,97.472755

19.1745815,-1.270290,9.905687,-0.041575,9.986892,90.238525,97.307640

19.1770172,-1.260718,9.893723,-0.027218,9.973762,90.156357,97.261841

19.1794491,-1.246361,9.905687,-0.036790,9.983857,90.211128,97.171432

19.1818829,-1.241576,9.905687,-0.032004,9.983245,90.183678,97.144180

19.1843185,-1.227219,9.888938,-0.029611,9.964840,90.170258,97.074249

19.1867504,-1.217648,9.908080,-0.005683,9.982622,90.032616,97.006203

19.1891861,-1.251147,9.860224,0.003888,9.939285,89.977585,97.231522

19.1916218,-1.260718,9.886545,0.035294,9.966666,89.797104,97.267059

19.1940536,-1.251147,9.865009,0.003888,9.944033,89.977592,97.228050

19.1964893,-1.291825,9.881760,0.056830,9.966002,89.673279,97.447937

19.1989250,-1.282254,9.898509,0.059222,9.981391,89.660049,97.380997

19.2013569,-1.318146,9.886545,0.059222,9.974207,89.659798,97.594299

19.2037926,-1.301396,9.912866,0.087936,9.998314,89.496071,97.479218

19.2062244,-1.327717,9.872188,0.099900,9.961572,89.425392,97.659790

19.2086582,-1.334896,9.910473,0.104686,10.000519,89.400215,97.671310

19.2110939,-1.310968,9.884152,0.109472,9.971313,89.370956,97.555229

19.2135258,-1.320539,9.898509,0.131007,9.987065,89.248390,97.598839

19.2159615,-1.334896,9.884152,0.135793,9.974812,89.219978,97.691498

19.2183971,-1.337289,9.848260,0.135793,9.939568,89.217209,97.732857

19.2208290,-1.344467,9.850653,0.123829,9.942751,89.286407,97.771996

19.2232647,-1.356431,9.848260,0.114257,9.941890,89.341515,97.842186

19.2256985,-1.346860,9.862617,0.116650,9.954841,89.328598,97.776329

19.2281322,-1.361217,9.872188,0.097508,9.966068,89.439415,97.850670

19.2305660,-1.351646,9.888938,0.102293,9.981408,89.412804,97.783104

19.2330017,-1.342074,9.884152,0.059222,9.975026,89.659828,97.732361

19.2354336,-1.334896,9.879367,0.066401,9.969365,89.618378,97.695175

19.2378693,-1.339682,9.908080,0.025424,9.998272,89.854309,97.700325

19.2403049,-1.294218,9.905687,0.003888,9.989878,89.977699,97.443756

19.2427368,-1.296611,9.874580,0.037687,9.959415,89.783188,97.480591

19.2451725,-1.258326,9.898509,0.027817,9.978209,89.840271,97.244736

19.2476044,-1.279861,9.865009,0.032602,9.947739,89.812218,97.392120

19.2500401,-1.267897,9.881760,0.027817,9.962806,89.840027,97.311493

19.2524757,-1.263111,9.891331,0.027817,9.971692,89.840172,97.277214

19.2549095,-1.287040,9.888938,0.008674,9.972343,89.950165,97.415329

19.2573452,-1.270290,9.896116,0.003888,9.977313,89.977669,97.314629

19.2597790,-1.272683,9.903295,0.001496,9.984736,89.991417,97.323006

19.2622128,-1.260718,9.879367,0.003888,9.959484,89.977631,97.272278

19.2646465,-1.255933,9.879367,0.006281,9.958880,89.963860,97.244972

19.2670822,-1.258326,9.886545,0.008674,9.966305,89.950134,97.253410

19.2695160,-1.253540,9.876974,0.003888,9.956204,89.977623,97.233047

19.2719498,-1.270290,9.915258,0.013460,9.996307,89.922852,97.300659

19.2743855,-1.239183,9.860224,0.011067,9.937792,89.936195,97.163086

19.2768192,-1.224826,9.900902,-0.010469,9.976380,90.060120,97.052147

19.2792530,-1.229612,9.893723,0.003888,9.969841,89.977654,97.084511

19.2816887,-1.260718,9.893723,0.011067,9.973730,89.936424,97.261841

19.2841225,-1.239183,9.888938,0.011067,9.966283,89.936378,97.142502

19.2865562,-1.239183,9.872188,0.011067,9.949663,89.936272,97.154495

19.2889919,-1.251147,9.855438,0.001496,9.934537,89.991371,97.234993

19.2914238,-1.239183,9.893723,0.011067,9.971031,89.936409,97.139084

19.2938595,-1.260718,9.893723,-0.008076,9.973727,90.046394,97.261841

19.2962933,-1.265504,9.886545,-0.024826,9.967241,90.142708,97.294350

19.2987270,-1.272683,9.896116,-0.022433,9.977642,90.128815,97.328255

19.3011627,-1.291825,9.865009,-0.012861,9.949241,90.074066,97.460442

19.3035946,-1.275075,9.848260,-0.017647,9.930476,90.101822,97.377167

19.3060303,-1.313361,9.872188,0.006281,9.959168,89.963867,97.577927

19.3084641,-1.272683,9.869795,0.020638,9.951532,89.881180,97.347588

19.3108978,-1.258326,9.865009,0.008674,9.944942,89.950027,97.269073

19.3133316,-1.279861,9.867402,-0.000897,9.950059,90.005165,97.390343

19.3157654,-1.287040,9.872188,0.044865,9.955832,89.741798,97.427773

19.3181992,-1.303789,9.874580,0.040080,9.960362,89.769447,97.521538

19.3206329,-1.301396,9.891331,0.068794,9.976812,89.604919,97.495316

19.3230686,-1.303789,9.896116,0.085543,9.981999,89.508980,97.505356

19.3255005,-1.275075,9.886545,0.087936,9.968818,89.494583,97.348915

19.3279362,-1.296611,9.884152,0.102293,9.969360,89.412094,97.473427

19.3303719,-1.301396,9.874580,0.083151,9.960316,89.521675,97.507889

19.3328037,-1.313361,9.879367,0.087936,9.966672,89.494469,97.572487

19.3352394,-1.325325,9.910473,0.075972,9.998987,89.564667,97.616959

19.3376713,-1.351646,9.865009,0.052044,9.957312,89.700531,97.801750

19.3401070,-1.330110,9.903295,0.056830,9.992380,89.674141,97.649612

19.3425407,-1.344467,9.903295,0.085543,9.994506,89.509598,97.731186

19.3449745,-1.330110,9.888938,0.087936,9.978377,89.495064,97.660583

19.3474083,-1.322932,9.893723,0.087936,9.982166,89.495255,97.616089

19.3498421,-1.303789,9.908080,0.078365,9.993801,89.550720,97.496391

19.3522758,-1.287040,9.888938,0.059222,9.972516,89.659744,97.415329

19.3547096,-1.291825,9.888938,0.054437,9.973107,89.687256,97.442596

19.3571453,-1.294218,9.884152,0.018245,9.968541,89.895134,97.459793

19.3595791,-1.315753,9.860224,0.027817,9.947662,89.839783,97.600677

19.3620129,-1.318146,9.903295,-0.003290,9.990634,90.018867,97.581612

19.3644447,-1.291825,9.879367,0.018245,9.963486,89.895081,97.449722

19.3668804,-1.284647,9.915258,0.018245,9.998150,89.895439,97.382263

19.3693142,-1.272683,9.886545,0.006281,9.968126,89.963898,97.335274

19.3717480,-1.272683,9.891331,0.013460,9.972879,89.922676,97.331764

19.3741817,-1.263111,9.876974,0.025424,9.957445,89.853706,97.287682

19.3766174,-1.267897,9.903295,0.027817,9.984166,89.840370,97.295761

19.3790493,-1.272683,9.881760,0.040080,9.963458,89.769516,97.338791

19.3814850,-1.289432,9.896116,0.037687,9.979838,89.783630,97.423637

19.3839188,-1.294218,9.876974,0.032602,9.961460,89.812477,97.465157

19.3863525,-1.260718,9.867402,0.018245,9.947631,89.894913,97.281006

19.3887882,-1.270290,9.891331,0.052044,9.972701,89.700996,97.318130

19.3912220,-1.296611,9.888938,0.061615,9.973770,89.646042,97.469856

19.3936558,-1.282254,9.886545,0.090329,9.969759,89.480873,97.389832

19.3960896,-1.287040,9.886545,0.073579,9.970239,89.577156,97.417107

19.3985252,-1.346860,9.881760,0.071186,9.973378,89.591042,97.761452

19.4009571,-1.358824,9.896116,0.083151,9.989316,89.523064,97.818329

19.4033909,-1.351646,9.898509,0.064008,9.990572,89.632912,97.775673

19.4058247,-1.354038,9.876974,0.044865,9.969456,89.742149,97.806046

19.4082584,-1.334896,9.874580,0.044865,9.964502,89.742020,97.698860

19.4106941,-1.322932,9.867402,0.066401,9.955912,89.617867,97.636162

19.4131260,-1.320539,9.874580,0.042473,9.962578,89.755737,97.617035

19.4155617,-1.330110,9.879367,0.047258,9.968616,89.728378,97.667915

19.4179955,-1.308575,9.876974,0.040080,9.963363,89.769516,97.547020

19.4204292,-1.308575,9.860224,0.025424,9.946710,89.853554,97.559692

19.4228630,-1.315753,9.891331,0.018245,9.978476,89.895233,97.577049

19.4252987,-1.289432,9.888938,0.027817,9.972688,89.840187,97.428963

19.4277306,-1.270290,9.876974,0.061615,9.958517,89.645500,97.328651

19.4301643,-1.260718,9.884152,0.059222,9.964406,89.659470,97.268799

19.4325981,-1.251147,9.872188,0.054437,9.951303,89.686569,97.222847

19.4350319,-1.263111,9.881760,0.030209,9.962206,89.826256,97.284187

19.4374676,-1.255933,9.881760,0.037687,9.961323,89.783234,97.243233

19.4399014,-1.243969,9.874580,0.032602,9.952681,89.812317,97.180122

19.4423370,-1.224826,9.903295,0.013460,9.978759,89.922714,97.050461

19.4447708,-1.277468,9.893723,0.003888,9.975856,89.977669,97.357269

19.4472046,-1.263111,9.888938,-0.034397,9.969339,90.197685,97.278961

19.4496403,-1.260718,9.888938,-0.067896,9.969208,90.390221,97.265320

19.4520741,-1.289432,9.860224,-0.125324,9.944966,90.722046,97.450356

19.4545059,-1.294218,9.874580,-0.142074,9.960047,90.817314,97.466942

19.4569416,-1.313361,9.869795,-0.151645,9.957950,90.872566,97.579742

19.4593754,-1.318146,9.867402,-0.134895,9.955970,90.776337,97.608864

19.4618092,-1.303789,9.893723,-0.082253,9.979599,90.472244,97.507149

19.4642429,-1.303789,9.915258,-0.039182,10.000688,90.224487,97.491028

19.4666786,-1.310968,9.912866,-0.000897,9.999177,90.005142,97.533600

19.4691124,-1.363610,9.910473,-0.020040,10.003864,90.114777,97.834297

19.4715462,-1.387538,9.900902,-0.103789,9.998195,90.594780,97.977623

19.4739799,-1.397109,9.920045,-0.161216,10.019241,90.921967,98.016640

19.4764137,-1.428216,9.917651,-0.192323,10.021806,91.099602,98.194687

19.4788494,-1.444966,9.912866,-0.146859,10.018703,90.839905,98.293404

19.4812813,-1.411466,9.951151,-0.055932,10.050909,90.318848,98.072952

19.4837170,-1.382752,9.905687,0.042473,10.001822,89.756691,97.946671

19.4861507,-1.368395,9.879367,0.162114,9.975002,89.068787,97.885887

19.4885845,-1.325325,9.893723,0.183649,9.983786,88.945999,97.629700

19.4910183,-1.296611,9.896116,0.097508,9.981174,89.440262,97.464500

19.4934540,-1.320539,9.884152,0.020638,9.971996,89.881424,97.609749

19.4958878,-1.299004,9.908080,-0.036790,9.992938,90.210938,97.469193

19.4983215,-1.327717,9.922438,-0.015254,10.010886,90.087303,97.621452

19.5007572,-1.313361,9.917651,0.015852,10.004248,89.909210,97.543594

19.5031891,-1.284647,9.920045,0.042473,10.002970,89.756721,97.378746

19.5056248,-1.272683,9.924830,0.085543,10.006463,89.510185,97.307281

19.5080566,-1.275075,9.900902,0.126221,9.983466,89.275589,97.338371

19.5104923,-1.220040,9.850653,0.178863,9.927530,88.967651,97.060341

19.5129261,-1.198505,9.872188,0.190828,9.946503,88.900688,96.921959

19.5153599,-1.236790,9.874580,0.169292,9.953173,89.025414,97.139114

19.5177937,-1.227219,9.886545,0.150150,9.963552,89.136528,97.075943

19.5202293,-1.255933,9.876974,0.095115,9.956959,89.452667,97.246704

19.5226612,-1.241576,9.879367,0.061615,9.957269,89.645454,97.163017

19.5250969,-1.236790,9.881760,0.020638,9.958878,89.881264,97.133980

19.5275326,-1.243969,9.886545,0.015852,9.964511,89.908852,97.171524

19.5299644,-1.258326,9.872188,0.040080,9.952140,89.769257,97.263847

19.5323982,-1.248754,9.869795,0.061615,9.948670,89.645149,97.210907

19.5348339,-1.255933,9.869795,0.064008,9.949589,89.631401,97.251923

19.5372658,-1.282254,9.879367,0.087936,9.962620,89.494263,97.395142

19.5397015,-1.284647,9.865009,0.097508,9.948780,89.438438,97.419449

19.5421371,-1.289432,9.867402,0.126221,9.952095,89.273308,97.444992

19.5445690,-1.294218,9.860224,0.157328,9.946043,89.093651,97.477692

19.5470028,-1.289432,9.845867,0.150150,9.931077,89.133705,97.461098

19.5494366,-1.287040,9.855438,0.166899,9.940522,89.037971,97.440254

19.5518703,-1.277468,9.860224,0.157328,9.943877,89.093452,97.381989

19.5543060,-1.289432,9.838689,0.162114,9.924149,89.064018,97.466476

19.5567379,-1.255933,9.853045,0.181256,9.934422,88.954567,97.264114

19.5591736,-1.277468,9.865009,0.188435,9.949162,88.914764,97.378448

19.5616093,-1.294218,9.872188,0.209970,9.958875,88.791901,97.468735

19.5640411,-1.287040,9.881760,0.198006,9.967189,88.861702,97.420654

19.5664749,-1.272683,9.876974,0.186042,9.960369,88.929756,97.342300

19.5689106,-1.287040,9.874580,0.159721,9.959384,89.081093,97.425995

19.5713425,-1.299004,9.881760,0.140578,9.967765,89.191917,97.488861

19.5737782,-1.301396,9.881760,0.145364,9.968146,89.164436,97.502495

19.5762100,-1.322932,9.922438,0.104686,10.010788,89.400826,97.594307

19.5786457,-1.282254,9.967901,0.090329,10.050442,89.485046,97.330177

19.5810795,-1.279861,9.963116,0.078365,10.045290,89.553024,97.320122

19.5835133,-1.260718,9.939187,0.095115,10.019277,89.456070,97.228973

19.5859489,-1.251147,9.922438,0.090329,10.001414,89.482521,97.186653

19.5883827,-1.220040,9.920045,0.044865,9.994888,89.742805,97.011452

19.5908146,-1.239183,9.896116,0.015852,9.973413,89.908928,97.137375

19.5932503,-1.215255,9.886545,-0.029611,9.960999,90.170326,97.007645

19.5956841,-1.222433,9.879367,-0.036790,9.954777,90.211746,97.053696

19.5981178,-1.224826,9.872188,-0.065504,9.948094,90.377266,97.072449

19.6005516,-1.258326,9.853045,-0.043968,9.933167,90.253616,97.277809

19.6029835,-1.265504,9.884152,-0.024826,9.964868,90.142738,97.296097

19.6054192,-1.263111,9.869795,-0.000897,9.950292,90.005165,97.292923

19.6078529,-1.296611,9.900902,0.035294,9.985504,89.797485,97.460930

19.6102848,-1.291825,9.905687,0.085543,9.989934,89.509369,97.430153

19.6127205,-1.263111,9.905687,0.087936,9.986282,89.495461,97.266785

19.6151543,-1.258326,9.929616,0.099900,10.009527,89.428146,97.222282

19.6175861,-1.277468,9.903295,0.147757,9.986441,89.152237,97.350235

19.6200218,-1.258326,9.879367,0.147757,9.960277,89.150009,97.258629

19.6224556,-1.248754,9.900902,0.193220,9.981211,88.890778,97.188492

19.6248875,-1.270290,9.886545,0.181256,9.969467,88.958237,97.321632

19.6273232,-1.296611,9.898509,0.195613,9.984986,88.877464,97.462715

19.6297588,-1.291825,9.898509,0.164507,9.983805,89.055878,97.435478

19.6321907,-1.299004,9.886545,0.154935,9.972722,89.109825,97.485275

19.6346264,-1.313361,9.872188,0.176471,9.960731,88.984856,97.577927

19.6370602,-1.303789,9.874580,0.188435,9.962064,88.916176,97.521538

19.6394939,-1.325325,9.896116,0.186042,9.986201,88.932526,97.627876

19.6419296,-1.296611,9.876974,0.183649,9.963410,88.943848,97.478798

19.6443615,-1.306182,9.867402,0.174078,9.955001,88.998047,97.540596

19.6467972,-1.279861,9.869795,0.162114,9.953752,89.066803,97.388573

19.6492310,-1.289432,9.869795,0.188435,9.955450,88.915451,97.443207

19.6516647,-1.275075,9.869795,0.190828,9.953647,88.901482,97.361252

19.6541004,-1.265504,9.860224,0.205185,9.943219,88.817581,97.313606

19.6565342,-1.296611,9.860224,0.200399,9.947129,88.845619,97.491364

19.6589680,-1.299004,9.874580,0.202792,9.961720,88.833542,97.494240

19.6614017,-1.253540,9.872188,0.195613,9.953377,88.873894,97.236519

19.6638355,-1.239183,9.884152,0.195613,9.963449,88.875038,97.145927

19.6662674,-1.248754,9.881760,0.169292,9.961788,89.026260,97.202271

19.6687031,-1.232005,9.860224,0.145364,9.937957,89.161896,97.122025

19.6711349,-1.196112,9.860224,0.116650,9.933192,89.327133,96.916573

19.6735687,-1.220040,9.857831,0.099900,9.933544,89.423775,97.055252

19.6760044,-1.208076,9.872188,0.107079,9.946406,89.383163,96.976692

19.6784363,-1.215255,9.886545,0.131007,9.961817,89.246483,97.007645

19.6808720,-1.229612,9.855438,0.092722,9.932281,89.465111,97.111748

19.6833057,-1.241576,9.903295,0.085543,9.981186,89.508942,97.145889

19.6857395,-1.255933,9.884152,0.073579,9.963898,89.576889,97.241501

19.6881752,-1.267897,9.893723,0.111864,9.975262,89.357460,97.302742

19.6906090,-1.263111,9.869795,0.104686,9.950842,89.397217,97.292923

19.6930428,-1.258326,9.886545,0.078365,9.966609,89.549492,97.253410

19.6954765,-1.265504,9.896116,0.068794,9.976941,89.604927,97.287369

19.6979084,-1.275075,9.891331,0.073579,9.973448,89.577293,97.345398

19.7003441,-1.265504,9.879367,0.066401,9.960311,89.618034,97.299591

19.7027779,-1.241576,9.872188,0.078365,9.950264,89.548752,97.168167

19.7052097,-1.232005,9.874580,0.027817,9.951179,89.839844,97.111771

19.7076454,-1.260718,9.893723,0.047258,9.973836,89.728516,97.261841

19.7100792,-1.246361,9.896116,0.080758,9.974621,89.536110,97.178291

19.7125111,-1.243969,9.896116,0.059222,9.974171,89.659798,97.164658

19.7149467,-1.246361,9.876974,0.068794,9.955540,89.604080,97.192062

19.7173786,-1.239183,9.879367,0.064008,9.956985,89.631676,97.149353

19.7198124,-1.253540,9.881760,0.078365,9.961259,89.549248,97.229576

19.7222481,-1.234397,9.881760,0.068794,9.958797,89.604210,97.120323

19.7246799,-1.270290,9.876974,0.090329,9.958735,89.480301,97.328651

19.7271137,-1.227219,9.888938,0.066401,9.965017,89.618210,97.074249

19.7295494,-1.222433,9.867402,0.075972,9.943126,89.562218,97.062164

19.7319813,-1.236790,9.865009,0.061615,9.942427,89.644928,97.145966

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19.7368507,-1.265504,9.879367,0.099900,9.960591,89.425339,97.299591

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19.7417202,-1.251147,9.865009,0.085543,9.944400,89.507126,97.228050

19.7441540,-1.279861,9.896116,0.087936,9.978923,89.495094,97.369141

19.7465858,-1.270290,9.884152,0.090329,9.965855,89.480675,97.323387

19.7490215,-1.289432,9.888938,0.087936,9.973037,89.494797,97.428963

19.7514553,-1.248754,9.860224,0.087936,9.939373,89.493080,97.217834

19.7538891,-1.291825,9.879367,0.085543,9.963836,89.508087,97.449722

19.7563229,-1.265504,9.896116,0.097508,9.977180,89.440033,97.287369

19.7587566,-1.255933,9.893723,0.090329,9.973530,89.481071,97.234566

19.7611923,-1.284647,9.881760,0.083151,9.965260,89.521919,97.407013

19.7636261,-1.301396,9.886545,0.121436,9.972570,89.302292,97.498909

19.7660599,-1.303789,9.910473,0.102293,9.996390,89.413681,97.494606

19.7684937,-1.322932,9.862617,0.104686,9.951497,89.397263,97.639824

19.7709274,-1.337289,9.888938,0.123829,9.979717,89.289055,97.701431

19.7733612,-1.327717,9.869795,0.135793,9.959624,89.218788,97.661621

19.7757950,-1.325325,9.879367,0.133400,9.968760,89.233253,97.640656

19.7782288,-1.337289,9.874580,0.166899,9.966119,89.040443,97.712494

19.7806625,-1.313361,9.879367,0.150150,9.967415,89.136864,97.572487

19.7830963,-1.303789,9.896116,0.169292,9.983068,89.028336,97.505356

19.7855301,-1.301396,9.884152,0.162114,9.970777,89.068390,97.500702

19.7879639,-1.318146,9.853045,0.145364,9.941889,89.162231,97.619820

19.7903996,-1.325325,9.865009,0.150150,9.954769,89.135765,97.651642

19.7928314,-1.287040,9.869795,0.142971,9.954384,89.177055,97.429550

19.7952671,-1.275075,9.905687,0.150150,9.988544,89.138687,97.334869

19.7977009,-1.301396,9.927223,0.154935,10.013361,89.113434,97.468529

19.8001347,-1.282254,9.915258,0.176471,9.999383,88.988785,97.368668

19.8025684,-1.272683,9.869795,0.200399,9.953528,88.846359,97.347588

19.8050041,-1.253540,9.848260,0.195613,9.929645,88.871208,97.253914

19.8074360,-1.272683,9.836296,0.190828,9.920124,88.897766,97.372337

19.8098717,-1.255933,9.838689,0.169292,9.919971,89.022156,97.274605

19.8123035,-1.236790,9.845867,0.147757,9.924343,89.146927,97.159714

19.8147373,-1.260718,9.853045,0.128614,9.934206,89.258194,97.291496

19.8171711,-1.270290,9.855438,0.114257,9.937623,89.341232,97.344490

19.8196030,-1.299004,9.872188,0.099900,9.957785,89.425179,97.496040

19.8220387,-1.296611,9.893723,0.071186,9.978579,89.591255,97.466286

19.8244724,-1.327717,9.917651,0.090329,10.006537,89.482780,97.625092

19.8269043,-1.342074,9.900902,0.107079,9.992021,89.385979,97.719437

19.8293381,-1.361217,9.908080,0.102293,10.001672,89.413994,97.822586

19.8317699,-1.349253,9.951151,0.111864,10.042829,89.361786,97.721512

19.8342037,-1.342074,9.951151,0.150150,10.042366,89.143303,97.680923

19.8366394,-1.334896,9.917651,0.126221,10.007881,89.277351,97.665825

19.8390713,-1.344467,9.898509,0.133400,9.990289,89.234909,97.734879

19.8415051,-1.349253,9.903295,0.095115,9.995237,89.454765,97.758369

19.8439407,-1.349253,9.893723,0.073579,9.985573,89.577812,97.765785

19.8463745,-1.322932,9.879367,0.032602,9.967603,89.812599,97.627022

19.8488083,-1.361217,9.888938,-0.000897,9.982184,90.005150,97.837540

19.8512421,-1.337289,9.879367,-0.048754,9.969584,90.280190,97.708801

19.8536758,-1.310968,9.857831,-0.024826,9.944652,90.143028,97.575172

19.8561096,-1.327717,9.891331,-0.005683,9.980044,90.032623,97.645142

19.8585434,-1.325325,9.874580,0.025424,9.963156,89.853790,97.644318

19.8609772,-1.294218,9.850653,0.064008,9.935515,89.630875,97.484879

19.8634129,-1.284647,9.872188,0.061615,9.955611,89.645393,97.414116

19.8658447,-1.272683,9.860224,0.068794,9.942257,89.603546,97.354637

19.8682785,-1.313361,9.886545,0.061615,9.973590,89.646034,97.567047

19.8707142,-1.291825,9.879367,0.044865,9.963570,89.741997,97.449722

19.8731461,-1.306182,9.891331,0.078365,9.977509,89.549988,97.522568

19.8755817,-1.291825,9.876974,0.040080,9.961177,89.769463,97.451508

19.8780136,-1.291825,9.912866,0.059222,9.996861,89.660576,97.424828

19.8804493,-1.279861,9.886545,0.085543,9.969410,89.508362,97.376190

19.8828831,-1.279861,9.886545,0.087936,9.969431,89.494614,97.376190

19.8853168,-1.272683,9.893723,0.102293,9.975768,89.412468,97.330009

19.8877506,-1.289432,9.876974,0.107079,9.961362,89.384094,97.437859

19.8901844,-1.294218,9.869795,0.095115,9.954742,89.452545,97.470528

19.8926182,-1.306182,9.888938,0.111864,9.975455,89.357475,97.524368

19.8950520,-1.294218,9.900902,0.097508,9.985608,89.440506,97.447319

19.8974876,-1.301396,9.888938,0.126221,9.975001,89.274971,97.497116

19.8999195,-1.301396,9.893723,0.128614,9.979776,89.261581,97.493530

19.9023552,-1.310968,9.872188,0.109472,9.959454,89.370209,97.564285

19.9047871,-1.334896,9.879367,0.140578,9.970135,89.192108,97.695175

19.9072208,-1.318146,9.867402,0.135793,9.955982,89.218498,97.608864

19.9096565,-1.296611,9.869795,0.126221,9.955400,89.273544,97.484177

19.9120884,-1.308575,9.888938,0.128614,9.975971,89.261299,97.537994

19.9145241,-1.299004,9.841082,0.164507,9.927807,89.050552,97.519463

19.9169598,-1.303789,9.833903,0.174078,9.921483,88.994659,97.552292

19.9193916,-1.294218,9.848260,0.171685,9.934420,89.009773,97.486671

19.9218273,-1.291825,9.848260,0.169292,9.934068,89.023544,97.472992

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19.9266949,-1.301396,9.874580,0.157328,9.961211,89.095032,97.507889

19.9291306,-1.282254,9.862617,0.159721,9.946903,89.079941,97.407562

19.9315643,-1.291825,9.874580,0.123829,9.959493,89.287613,97.453293

19.9339981,-1.284647,9.850653,0.140578,9.935061,89.189255,97.430145

19.9364319,-1.320539,9.865009,0.107079,9.953577,89.383614,97.624344

19.9388676,-1.306182,9.874580,0.087936,9.960983,89.494179,97.535179

19.9412994,-1.291825,9.881760,0.102293,9.966366,89.411919,97.447937

19.9437332,-1.294218,9.874580,0.126221,9.959833,89.273872,97.466942

19.9461670,-1.279861,9.893723,0.109472,9.976763,89.371300,97.370903

19.9486008,-1.301396,9.884152,0.126221,9.970258,89.274628,97.500702

19.9510345,-1.275075,9.896116,0.133400,9.978814,89.234032,97.341881

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19.9559021,-1.315753,9.886545,0.142971,9.974739,89.178734,97.580673

19.9583378,-1.320539,9.891331,0.150150,9.980220,89.137970,97.604286

19.9607697,-1.294218,9.893723,0.131007,9.978874,89.247772,97.452660

19.9632034,-1.282254,9.881760,0.145364,9.965665,89.164230,97.393372

19.9656372,-1.275075,9.865009,0.138186,9.948030,89.204094,97.364784

19.9680729,-1.279861,9.865009,0.133400,9.948580,89.231705,97.392120

19.9705067,-1.279861,9.862617,0.135793,9.946239,89.217735,97.393890

19.9729404,-1.265504,9.850653,0.159721,9.932894,89.078644,97.320641

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19.9778118,-1.272683,9.845867,0.142971,9.928809,89.174934,97.365250

19.9802437,-1.287040,9.857831,0.166899,9.942895,89.038200,97.438469

19.9826794,-1.279861,9.841082,0.157328,9.925204,89.091743,97.409889

19.9851151,-1.303789,9.891331,0.169292,9.978324,89.027870,97.508942

19.9875469,-1.299004,9.876974,0.176471,9.963593,88.985153,97.492447

19.9899807,-1.294218,9.886545,0.202792,9.972959,88.834862,97.458008

19.9924164,-1.301396,9.879367,0.226720,9.967293,88.696617,97.504295

19.9948483,-1.320539,9.881760,0.209970,9.971814,88.793472,97.611565

19.9972839,-1.313361,9.874580,0.188435,9.963321,88.916306,97.576111

19.9997177,-1.334896,9.886545,0.138186,9.977215,89.206421,97.689659

20.0021515,-1.358824,9.867402,0.107079,9.961099,89.384079,97.840797

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20.0070190,-1.368395,9.900902,0.064008,9.995222,89.633080,97.868950

20.0094528,-1.380360,9.910473,0.044865,10.006243,89.743103,97.929314

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20.0143204,-1.346860,9.881760,0.023031,9.973151,89.867683,97.761452

20.0167561,-1.356431,9.888938,0.044865,9.981634,89.742470,97.810326

20.0191917,-1.361217,9.912866,0.030209,10.005935,89.827019,97.818855

20.0216236,-1.344467,9.888938,0.015852,9.979927,89.908989,97.742271

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20.0313606,-1.334896,9.903295,0.001496,9.992857,89.991425,97.676804

20.0337963,-1.318146,9.886545,0.025424,9.974063,89.853951,97.594299

20.0362282,-1.310968,9.879367,0.011067,9.965975,89.936378,97.558846

20.0386620,-1.294218,9.855438,0.037687,9.940125,89.782768,97.481285

20.0410957,-1.306182,9.862617,0.015852,9.948747,89.908707,97.544220

20.0435314,-1.320539,9.881760,0.035294,9.969666,89.797165,97.611565

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20.1262913,-1.413859,9.867402,0.032602,9.968234,89.812607,98.154175

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20.1360283,-1.406681,9.874580,0.030209,9.974318,89.826469,98.107506

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20.1433315,-1.342074,9.850653,0.015852,9.941669,89.908638,97.758331

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20.1579304,-1.325325,9.843474,-0.034397,9.932354,90.198425,97.668182

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20.1798401,-1.349253,9.888938,0.061615,9.980750,89.646286,97.769493

20.1822739,-1.370788,9.862617,0.047258,9.957535,89.728073,97.912750

20.1847057,-1.401895,9.862617,0.032602,9.961805,89.812485,98.089958

20.1871414,-1.423430,9.884152,0.025424,9.986155,89.854134,98.194901

20.1895771,-1.397109,9.886545,0.025424,9.984805,89.854111,98.043449

20.1920090,-1.392324,9.862617,0.018245,9.960427,89.895050,98.035454

20.1944447,-1.430609,9.860224,0.015852,9.963478,89.908836,98.255379

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20.1993122,-1.392324,9.857831,-0.005683,9.955673,90.032707,98.039299

20.2017460,-1.368395,9.862617,-0.000897,9.957093,90.005165,97.899109

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20.2236538,-1.380360,9.879367,0.018245,9.975350,89.895203,97.953957

20.2260857,-1.377967,9.879367,-0.015254,9.975015,90.087616,97.940346

20.2285213,-1.370788,9.879367,-0.012861,9.974022,90.073883,97.899506

20.2309551,-1.375574,9.876974,-0.020040,9.972323,90.115135,97.928627

20.2333889,-1.380360,9.891331,-0.005683,9.987185,90.032600,97.944458

20.2358227,-1.389931,9.888938,-0.008076,9.986144,90.046333,98.000748

20.2382584,-1.387538,9.872188,0.006281,9.969222,89.963898,98.000526

20.2406902,-1.361217,9.857831,0.013460,9.951378,89.922508,97.861961

20.2431259,-1.361217,9.876974,0.013460,9.970342,89.922653,97.846916

20.2455616,-1.363610,9.876974,0.023031,9.970686,89.867653,97.860535

20.2479935,-1.368395,9.848260,0.001496,9.942873,89.991379,97.910484

20.2504272,-1.370788,9.881760,0.001496,9.976383,89.991409,97.897614

20.2528610,-1.370788,9.891331,0.006281,9.985867,89.963959,97.890068

20.2552948,-1.339682,9.872188,0.006281,9.962674,89.963875,97.727982

20.2577305,-1.380360,9.872188,0.011067,9.968230,89.936386,97.959671

20.2601624,-1.373181,9.879367,0.006281,9.974345,89.963921,97.913116

20.2625961,-1.385145,9.860224,0.003888,9.957041,89.977623,97.996475

20.2650299,-1.382752,9.855438,-0.000897,9.951968,90.005165,97.986664

20.2674637,-1.389931,9.843474,-0.003290,9.941122,90.018959,98.037216

20.2698975,-1.387538,9.855438,-0.027218,9.952671,90.156693,98.013947

20.2723331,-1.382752,9.876974,-0.032004,9.973347,90.183861,97.969475

20.2747650,-1.389931,9.903295,0.013460,10.000366,89.922882,97.989296

20.2771988,-1.373181,9.884152,0.040080,9.979164,89.769882,97.909340

20.2796326,-1.377967,9.865009,0.013460,9.960793,89.922577,97.951752

20.2820683,-1.354038,9.879367,0.047258,9.971838,89.728462,97.804176

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20.2869358,-1.375574,9.867402,0.027817,9.962861,89.840027,97.936218

20.2893696,-1.399502,9.843474,0.013460,9.942473,89.922440,98.091835

20.2918034,-1.385145,9.857831,0.003888,9.954671,89.977623,97.998390

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20.3015404,-1.382752,9.853045,0.061615,9.949789,89.645187,97.988579

20.3039742,-1.351646,9.872188,0.056830,9.964450,89.673225,97.796150

20.3064098,-1.342074,9.888938,0.068794,9.979829,89.605042,97.728661

20.3088417,-1.373181,9.896116,0.061615,9.991123,89.646652,97.899895

20.3112755,-1.375574,9.860224,0.078365,9.956021,89.549011,97.941925

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20.3161430,-1.406681,9.886545,0.044865,9.986217,89.742584,98.097824

20.3185787,-1.397109,9.865009,0.011067,9.963455,89.936356,98.060776

20.3210106,-1.406681,9.867402,0.011067,9.967171,89.936386,98.113327

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20.3307495,-1.392324,9.898509,0.042473,9.996042,89.756554,98.006691

20.3331833,-1.401895,9.857831,0.037687,9.957086,89.783142,98.093834

20.3356171,-1.404288,9.888938,0.013460,9.988158,89.922791,98.082298

20.3380527,-1.366003,9.867402,-0.008076,9.961509,90.046448,97.881699

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20.3550873,-1.416252,9.884152,0.003888,9.985102,89.977692,98.154129

20.3575230,-1.416252,9.881760,-0.000897,9.982732,90.005150,98.156082

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20.3648262,-1.392324,9.874580,0.025424,9.972289,89.853928,98.025841

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20.3745594,-1.375574,9.867402,0.032602,9.962875,89.812508,97.936218

20.3769932,-1.397109,9.853045,0.047258,9.951716,89.727913,98.070435

20.3794289,-1.370788,9.865009,0.008674,9.959796,89.950104,97.910858

20.3818607,-1.399502,9.869795,0.040080,9.968604,89.769638,98.070534

20.3842964,-1.389931,9.838689,0.083151,9.936730,89.520546,98.041077

20.3867302,-1.425823,9.869795,0.052044,9.972388,89.700981,98.220268

20.3891640,-1.459323,9.869795,0.037687,9.977168,89.783577,98.410667

20.3915977,-1.440180,9.884152,0.054437,9.988671,89.687744,98.290001

20.3940334,-1.428216,9.862617,0.073579,9.965762,89.576973,98.239784

20.3964653,-1.437787,9.872188,0.087936,9.976726,89.494980,98.286308

20.3989010,-1.416252,9.857831,0.109472,9.959648,89.370216,98.175613

20.4013329,-1.459323,9.888938,0.109472,9.996634,89.372551,98.394623

20.4037685,-1.476072,9.867402,0.085543,9.977561,89.508766,98.507835

20.4062023,-1.480858,9.869795,0.071186,9.980524,89.591331,98.532974

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20.4110699,-1.444966,9.881760,0.083151,9.987192,89.522964,98.319145

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20.4159374,-1.444966,9.903295,0.015852,10.008168,89.909248,98.301308

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20.4208069,-1.471287,9.886545,-0.015254,9.995434,90.087440,98.464470

20.4232388,-1.495215,9.893723,-0.012861,10.006078,90.073647,98.593941

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20.4427109,-1.425823,9.874580,0.013460,9.976998,89.922707,98.216339

20.4451447,-1.418645,9.862617,-0.020040,9.964144,90.115234,98.185318

20.4475803,-1.437787,9.876974,-0.029611,9.981118,90.169983,98.282349

20.4500122,-1.433002,9.888938,-0.039182,9.992303,90.224670,98.245316

20.4524460,-1.421038,9.876974,-0.015254,9.978687,90.087585,98.187180

20.4548798,-1.421038,9.903295,-0.024826,10.004759,90.142174,98.165710

20.4573135,-1.428216,9.908080,-0.032004,10.010538,90.183174,98.202492

20.4597492,-1.413859,9.905687,-0.022433,10.006105,90.128448,98.123077

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20.4646149,-1.428216,9.884152,0.027817,9.986844,89.840416,98.222076

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20.4792194,-1.413859,9.881760,0.008674,9.982397,89.950211,98.142487

20.4816513,-1.421038,9.865009,-0.010469,9.966838,90.060181,98.196976

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20.4889526,-1.430609,9.850653,0.006281,9.953996,89.963844,98.263283

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20.5011234,-1.382752,9.860224,0.015852,9.956719,89.908775,97.982841

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21.1826324,-1.392324,9.860224,0.040080,9.958122,89.769394,98.037376

21.1850681,-1.423430,9.845867,0.023031,9.948256,89.867355,98.226334

21.1875038,-1.421038,9.826724,-0.003290,9.928941,90.018990,98.228470

21.1899357,-1.387538,9.829117,0.035294,9.926633,89.796288,98.035126

21.1923714,-1.373181,9.848260,0.068794,9.943770,89.603607,97.937798

21.1948051,-1.349253,9.879367,0.126221,9.971875,89.274742,97.776932

21.1972370,-1.394717,9.903295,0.095115,10.001476,89.455109,98.016449

21.1996727,-1.370788,9.915258,0.035294,10.009628,89.797974,97.871269

21.2021065,-1.301396,9.898509,0.020638,9.983714,89.881561,97.489944

21.2045403,-1.289432,9.881760,0.027817,9.965569,89.840073,97.434296

21.2069740,-1.267897,9.867402,0.040080,9.948607,89.769173,97.322014

21.2094078,-1.277468,9.865009,0.042473,9.947469,89.755363,97.378448

21.2118397,-1.287040,9.872188,0.064008,9.955935,89.631638,97.427773

21.2142754,-1.299004,9.896116,0.068794,9.981245,89.605095,97.478119

21.2167091,-1.342074,9.908080,0.107079,9.999134,89.386421,97.713913

21.2191429,-1.354038,9.932009,0.121436,10.024618,89.305916,97.763321

21.2215786,-1.363610,9.903295,0.157328,9.997971,89.098358,97.839905

21.2240105,-1.387538,9.891331,0.154935,9.989379,89.111305,97.985245

21.2264442,-1.435395,9.884152,0.145364,9.988892,89.166168,98.262833

21.2288799,-1.437787,9.888938,0.111864,9.993540,89.358635,98.272469

21.2313118,-1.440180,9.853045,0.087936,9.958130,89.494034,98.315804

21.2337475,-1.435395,9.888938,0.080758,9.992896,89.536957,98.258888

21.2361813,-1.437787,9.900902,0.071186,10.005006,89.592331,98.262611

21.2386150,-1.423430,9.951151,0.044865,10.052541,89.744286,98.140472

21.2410488,-1.440180,9.958329,0.061615,10.062119,89.649147,98.229095

21.2434845,-1.413859,9.943973,0.049651,10.044106,89.716766,98.092216

21.2459164,-1.377967,9.936794,0.018245,10.031899,89.895798,97.895035

21.2483521,-1.368395,9.920045,0.023031,10.014007,89.868225,97.853958

21.2507839,-1.315753,9.898509,0.018245,9.985591,89.895309,97.571617

21.2532196,-1.310968,9.869795,-0.000897,9.956479,90.005165,97.566093

21.2556553,-1.320539,9.862617,-0.022433,9.950655,90.129166,97.626167

21.2580872,-1.301396,9.841082,-0.022433,9.926784,90.129478,97.533150

21.2605209,-1.318146,9.865009,-0.015254,9.952695,90.087814,97.610687

21.2629547,-1.301396,9.862617,0.013460,9.948116,89.922478,97.516891

21.2653866,-1.320539,9.862617,0.015852,9.950642,89.908722,97.626167

21.2678204,-1.315753,9.848260,0.006281,9.935767,89.963776,97.609802

21.2702522,-1.299004,9.841082,-0.017647,9.926460,90.101860,97.519463

21.2726879,-1.296611,9.862617,-0.020040,9.947502,90.115425,97.489563

21.2751217,-1.277468,9.857831,-0.017647,9.940275,90.101715,97.383766

21.2775555,-1.282254,9.879367,-0.034397,9.962291,90.197823,97.395142

21.2799892,-1.265504,9.886545,-0.043968,9.967307,90.252747,97.294350

21.2824230,-1.282254,9.884152,-0.020040,9.966998,90.115204,97.391602

21.2848568,-1.282254,9.888938,-0.034397,9.971783,90.197639,97.388062

21.2872906,-1.303789,9.881760,-0.027218,9.967436,90.156456,97.516136

21.2897224,-1.322932,9.857831,0.003888,9.946205,89.977600,97.643486

21.2921581,-1.320539,9.850653,0.037687,9.938843,89.782738,97.635323

21.2945919,-1.370788,9.845867,0.035294,9.940895,89.796577,97.926041

21.2970257,-1.358824,9.821939,0.013460,9.915496,89.922226,97.876633

21.2994595,-1.356431,9.836296,0.044865,9.929483,89.741112,97.851601

21.3018932,-1.344467,9.845867,0.040080,9.937319,89.768913,97.775726

21.3043270,-1.358824,9.857831,0.015852,9.951055,89.908722,97.848312

21.3067608,-1.368395,9.831510,-0.015254,9.926294,90.088051,97.923790

21.3091946,-1.342074,9.850653,-0.022433,9.941681,90.129288,97.758331

21.3116283,-1.356431,9.845867,-0.022433,9.938889,90.129318,97.844063

21.3140640,-1.363610,9.860224,-0.010469,9.954072,90.060257,97.873718

21.3164959,-1.351646,9.865009,0.027817,9.957214,89.839935,97.801750

21.3189316,-1.327717,9.848260,0.047258,9.937469,89.727524,97.678177

21.3213654,-1.325325,9.908080,0.044865,9.996427,89.742844,97.618774

21.3237991,-1.334896,9.872188,0.044865,9.962131,89.741959,97.700706

21.3262329,-1.337289,9.900902,0.030209,9.990851,89.826752,97.692238

21.3286686,-1.322932,9.900902,0.027817,9.988933,89.840446,97.610626

21.3311024,-1.318146,9.879367,0.025424,9.966948,89.853851,97.599754

21.3335361,-1.346860,9.865009,0.020638,9.956549,89.881233,97.774467

21.3359718,-1.337289,9.869795,0.013460,9.959989,89.922569,97.716194

21.3384037,-1.327717,9.893723,0.015852,9.982427,89.909012,97.643311

21.3408394,-1.330110,9.903295,0.020638,9.992240,89.881660,97.649612

21.3432732,-1.306182,9.900902,0.023031,9.986716,89.867867,97.515381

21.3457050,-1.301396,9.893723,0.020638,9.978970,89.881500,97.493530

21.3481407,-1.320539,9.922438,0.030209,10.009971,89.827087,97.580727

21.3505726,-1.342074,9.888938,0.071186,9.979846,89.591301,97.728661

21.3530083,-1.356431,9.896116,0.078365,9.988953,89.550499,97.804726

21.3554420,-1.368395,9.905687,0.083151,10.000103,89.523582,97.865196

21.3578758,-1.370788,9.905687,0.073579,10.000356,89.578430,97.878777

21.3603096,-1.377967,9.872188,0.090329,9.968302,89.480797,97.946045

21.3627453,-1.397109,9.879367,0.071186,9.977919,89.591225,98.049217

21.3651772,-1.404288,9.884152,0.025424,9.983443,89.854088,98.086159

21.3676109,-1.366003,9.881760,0.027817,9.975766,89.840233,97.870392

21.3700447,-1.342074,9.884152,0.011067,9.974856,89.936432,97.732361

21.3724785,-1.318146,9.884152,0.011067,9.971665,89.936409,97.596123

21.3749123,-1.313361,9.860224,0.020638,9.947330,89.881126,97.587013

21.3773460,-1.344467,9.850653,0.018245,9.941997,89.894852,97.771996

21.3797798,-1.337289,9.862617,0.023031,9.952892,89.867416,97.721741

21.3822155,-1.370788,9.853045,0.044865,9.948044,89.741600,97.920341

21.3846474,-1.392324,9.886545,0.018245,9.984121,89.895294,98.016258

21.3870811,-1.394717,9.881760,0.008674,9.979704,89.950203,98.033691

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21.3919487,-1.406681,9.857831,0.025424,9.957723,89.853714,98.121094

21.3943844,-1.394717,9.855438,0.027817,9.953676,89.839882,98.054863

21.3968201,-1.373181,9.860224,0.037687,9.955454,89.783104,97.928284

21.3992519,-1.382752,9.843474,0.020638,9.940142,89.881042,97.996246

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21.4041214,-1.394717,9.915258,-0.008076,10.012875,90.046211,98.006897

21.4065552,-1.356431,9.900902,-0.027218,9.993423,90.156052,97.801003

21.4089890,-1.366003,9.843474,-0.020040,9.937825,90.115540,97.900612

21.4114227,-1.368395,9.817153,-0.015254,9.912075,90.088173,97.935226

21.4138584,-1.387538,9.762118,0.052044,9.860372,89.697586,98.089546

21.4162922,-1.447359,9.759726,0.102293,9.866993,89.405991,98.435432

21.4187241,-1.476072,9.769297,0.133400,9.881080,89.226456,98.592003

21.4211597,-1.466501,9.793225,0.145364,9.903485,89.158981,98.516563

21.4235935,-1.461716,9.831510,0.104686,9.940128,89.396568,98.456596

21.4260273,-1.440180,9.848260,0.083151,9.953354,89.521347,98.319794

21.4284630,-1.377967,9.848260,0.056830,9.944357,89.672569,97.965103

21.4308968,-1.354038,9.853045,0.030209,9.945695,89.825966,97.824768

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21.4406300,-1.284647,9.853045,0.080758,9.936768,89.534340,97.428360

21.4430656,-1.291825,9.812367,-0.012861,9.897047,90.074455,97.500015

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21.4479332,-1.282254,9.900902,-0.082253,9.983927,90.472038,97.379234

21.4503689,-1.277468,9.922438,0.035294,10.004396,89.797867,97.336212

21.4528027,-1.330110,9.932009,0.159721,10.021952,89.086830,97.627754

21.4552364,-1.325325,9.939187,0.224327,10.029668,88.718399,97.595207

21.4576702,-1.330110,9.948758,0.174078,10.038790,89.006409,97.615067

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