Keuwl Accelerometer Data File

2024-04-29 16:16:22

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

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2.0012078,-0.079860,9.439685,2.809473,9.849221,73.426315,90.484718

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2.0112550,-0.053539,9.406186,2.819044,9.819685,73.316727,90.326118

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2.1444983,-0.170788,9.377472,2.756831,9.775800,73.620056,91.043388

2.1470122,-0.166002,9.396614,2.742474,9.790050,73.732117,91.012093

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2.1520240,-0.142074,9.418150,2.752045,9.813026,73.713043,90.864250

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2.1746631,-0.082253,9.442079,2.720938,9.826653,73.925102,90.499107

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2.1822054,-0.132503,9.437292,2.744867,9.829259,73.784271,90.804398

2.1847196,-0.063111,9.446864,2.742474,9.837092,73.812057,90.382767

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2.1897476,-0.039182,9.432507,2.807080,9.841413,73.427322,90.238007

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15.9489079,-0.293121,9.269794,2.524428,9.611855,74.773415,91.811150

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15.9564543,-0.300299,9.286545,2.533999,9.630745,74.744987,91.852127

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17.0425529,-0.218943,9.521340,2.476571,9.840592,75.423706,91.317284

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17.1808224,-0.158824,9.195318,2.303989,9.480900,75.935516,90.989525

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17.1858501,-0.254836,9.221640,2.335096,9.516105,75.795494,91.582939

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17.1933937,-0.379262,9.317652,2.315953,9.608647,76.052780,92.330864

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17.1984215,-0.422333,9.408579,2.330310,9.702065,76.102425,92.570175

17.2009373,-0.396012,9.470792,2.388037,9.775247,75.859863,92.394371

17.2034492,-0.448654,9.497113,2.383251,9.801854,75.927887,92.704704

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17.2084789,-0.410369,9.581161,2.426322,9.892122,75.801727,92.452530

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17.4699726,-0.187537,9.382257,2.447858,9.698141,75.380135,91.145103

17.4724865,-0.189930,9.403793,2.390430,9.704719,75.740364,91.157059

17.4750023,-0.197109,9.425328,2.423929,9.734017,75.580688,91.198036

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17.4825134,-0.223729,9.458828,2.431108,9.768816,75.589691,91.354958

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17.4875431,-0.230907,9.430114,2.411965,9.736423,75.657013,91.402672

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17.5076485,-0.247657,9.542876,2.507678,9.869968,75.281425,91.486610

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17.9426041,-0.228515,9.343972,2.701796,9.729425,73.877419,91.400940

17.9451180,-0.266800,9.336794,2.677868,9.716887,74.002876,91.636787

17.9476318,-0.264407,9.305687,2.704189,9.694243,73.802582,91.627533

17.9501457,-0.254836,9.288938,2.680260,9.671251,73.910599,91.571480

17.9526596,-0.285942,9.288938,2.675475,9.670795,73.939331,91.763184

17.9551735,-0.271585,9.332008,2.692225,9.716389,73.913948,91.666985

17.9576893,-0.285942,9.298509,2.713760,9.690641,73.737450,91.761368

17.9602013,-0.281157,9.308080,2.687439,9.692354,73.902420,91.730133

17.9627171,-0.297906,9.305687,2.687439,9.690557,73.899353,91.833603

17.9652309,-0.297906,9.336794,2.661118,9.713188,74.099380,91.827499

17.9677467,-0.259621,9.348758,2.682653,9.729506,73.994865,91.590736

17.9702587,-0.281157,9.343972,2.651546,9.716973,74.164413,91.723488

17.9727745,-0.288335,9.399008,2.661118,9.772719,74.198784,91.757126

17.9752865,-0.295514,9.399008,2.634797,9.765799,74.347733,91.800842

17.9778023,-0.290728,9.422935,2.632404,9.788043,74.398750,91.767197

17.9803181,-0.295514,9.422935,2.644368,9.791410,74.331558,91.796272

17.9828339,-0.309871,9.451650,2.641975,9.818846,74.390953,91.877762

17.9853497,-0.309871,9.458828,2.615355,9.818632,74.551826,91.876335

17.9878635,-0.297906,9.468399,2.620141,9.828757,74.539200,91.802116

17.9903793,-0.326620,9.511769,2.627618,9.873440,74.565895,91.966682

17.9928913,-0.360120,9.518948,2.593820,9.872586,74.767914,92.166573

17.9954071,-0.376870,9.509377,2.589034,9.862726,74.781136,92.269524

17.9979210,-0.360120,9.489935,2.545963,9.832114,74.992607,92.173195

18.0004349,-0.398405,9.528519,2.524428,9.865299,75.173691,92.394249

18.0029430,-0.391227,9.547662,2.536392,9.886566,75.134590,92.346451

18.0054588,-0.410369,9.533304,2.550749,9.877176,75.033943,92.464821

18.0079708,-0.415155,9.564411,2.490928,9.892171,75.415466,92.485435

18.0104866,-0.410369,9.538090,2.467000,9.860510,75.511246,92.463585

18.0130005,-0.463011,9.485149,2.483750,9.815877,75.342880,92.794640

18.0155144,-0.455833,9.494720,2.529213,9.836383,75.100258,92.748604

18.0180283,-0.453440,9.518948,2.524428,9.858433,75.163132,92.727249

18.0205421,-0.458226,9.497113,2.531606,9.839418,75.090546,92.762321

18.0230598,-0.467797,9.550055,2.524428,9.889141,75.210251,92.804314

18.0255718,-0.465404,9.504591,2.502892,9.839630,75.263832,92.803322

18.0280876,-0.453440,9.506984,2.541178,9.851190,75.051163,92.730682

18.0306015,-0.494417,9.530911,2.562713,9.881812,74.969315,92.969559

18.0331154,-0.439083,9.516555,2.632404,9.883681,74.553505,92.641685

18.0356293,-0.410369,9.504591,2.603391,9.863230,74.695480,92.472260

18.0381451,-0.407976,9.509377,2.610569,9.869638,74.662453,92.456627

18.0406570,-0.419940,9.473185,2.620141,9.837821,74.553795,92.538223

18.0431690,-0.422333,9.497113,2.615355,9.859696,74.617767,92.546242

18.0456810,-0.400798,9.516555,2.651546,9.887172,74.443977,92.411636

18.0481968,-0.422333,9.530911,2.644368,9.899966,74.507706,92.537224

18.0507088,-0.422333,9.521340,2.634797,9.888197,74.546349,92.539772

18.0532246,-0.393619,9.521340,2.605784,9.879320,74.706627,92.367302

18.0557384,-0.436690,9.569197,2.617748,9.930399,74.715652,92.612877

18.0582523,-0.422333,9.545269,2.608177,9.904197,74.731628,92.533417

18.0607662,-0.412762,9.511769,2.639582,9.879854,74.504173,92.484787

18.0632801,-0.388834,9.480363,2.584249,9.833962,74.764435,92.348648

18.0657940,-0.407976,9.550055,2.550749,9.893246,75.058815,92.446175

18.0683079,-0.410369,9.514162,2.593820,9.869933,74.763718,92.469780

18.0708218,-0.388834,9.480363,2.586641,9.834591,74.750984,92.348648

18.0733356,-0.393619,9.499506,2.625226,9.863436,74.564270,92.372734

18.0758495,-0.369691,9.504591,2.603391,9.861621,74.692924,92.227455

18.0783634,-0.367298,9.449257,2.567499,9.798745,74.809853,92.225998

18.0808773,-0.367298,9.485149,2.589034,9.839007,74.743553,92.217583

18.0833969,-0.374477,9.466006,2.620141,9.829072,74.539703,92.265450

18.0859127,-0.355334,9.468399,2.596213,9.824315,74.676773,92.149216

18.0884247,-0.369691,9.439685,2.569891,9.790233,74.781815,92.242760

18.0909405,-0.338584,9.463614,2.603391,9.821012,74.628067,92.049026

18.0934525,-0.297906,9.456435,2.600998,9.812140,74.628319,91.804398

18.0959682,-0.297906,9.442079,2.593820,9.796402,74.646553,91.807137

18.0984821,-0.288335,9.449257,2.584249,9.800507,74.711159,91.747787

18.1009960,-0.245264,9.475577,2.598605,9.828503,74.668999,91.482704

18.1035099,-0.252443,9.468399,2.608177,9.824301,74.604393,91.527237

18.1060257,-0.221336,9.408579,2.603391,9.764629,74.537094,91.347633

18.1085396,-0.228515,9.454042,2.593820,9.806071,74.662064,91.384636

18.1110535,-0.233300,9.456435,2.605784,9.811662,74.598564,91.413261

18.1135674,-0.214158,9.442079,2.658725,9.811602,74.277550,91.299316

18.1160812,-0.154038,9.442079,2.620141,9.800087,74.492828,90.934639

18.1185970,-0.166002,9.439685,2.637190,9.802549,74.393387,91.007477

18.1211109,-0.144467,9.451650,2.639582,9.814374,74.398163,90.875687

18.1236191,-0.142074,9.425328,2.598605,9.778024,74.587898,90.863586

18.1261330,-0.149252,9.408579,2.605784,9.763900,74.521339,90.908829

18.1286469,-0.134895,9.427721,2.586641,9.777057,74.659050,90.819756

18.1311607,-0.099003,9.420543,2.610569,9.776068,74.511986,90.602112

18.1336746,-0.113360,9.442079,2.612962,9.797616,74.532387,90.687851

18.1361904,-0.132503,9.470792,2.612962,9.825529,74.577423,90.801552

18.1387043,-0.101396,9.456435,2.644368,9.819732,74.377899,90.614326

18.1412182,-0.091825,9.430114,2.598605,9.782036,74.594376,90.557892

18.1437340,-0.101396,9.456435,2.632404,9.816517,74.445152,90.614326

18.1462460,-0.118146,9.437292,2.615355,9.793698,74.511513,90.717247

18.1487617,-0.122931,9.458828,2.605784,9.811965,74.599052,90.744598

18.1512756,-0.149252,9.492328,2.620141,9.848436,74.570862,90.900818

18.1537895,-0.144467,9.518948,2.577070,9.862683,74.853081,90.869499

18.1563034,-0.142074,9.511769,2.565106,9.852599,74.909279,90.855743

18.1588173,-0.161216,9.502198,2.610569,9.855599,74.640068,90.972000

18.1613312,-0.211765,9.504591,2.593820,9.854441,74.739189,91.276352

18.1638489,-0.180359,9.499506,2.574677,9.843886,74.837891,91.087692

18.1663628,-0.144467,9.514162,2.572284,9.856815,74.872665,90.869934

18.1688766,-0.158824,9.470792,2.569891,9.814553,74.820435,90.960754

18.1713905,-0.177966,9.521340,2.569891,9.863667,74.897827,91.070808

18.1739044,-0.170788,9.499506,2.526821,9.831307,75.106819,91.029984

18.1764202,-0.158824,9.456435,2.538785,9.792590,74.974098,90.962212

18.1789341,-0.173181,9.456435,2.543571,9.794075,74.947441,91.049171

18.1814480,-0.151645,9.485149,2.545963,9.822065,74.976891,90.915947

18.1839619,-0.166002,9.439685,2.529213,9.774054,75.003021,91.007477

18.1864758,-0.158824,9.439685,2.522035,9.772079,75.043488,90.963913

18.1889896,-0.173181,9.439685,2.538785,9.776659,74.949036,91.051033

18.1915054,-0.166002,9.399008,2.524428,9.733532,74.968285,91.011833

18.1940174,-0.166002,9.396614,2.524428,9.731220,74.964622,91.012093

18.1965332,-0.189930,9.403793,2.553142,9.746073,74.813240,91.157059

18.1990452,-0.170788,9.406186,2.526821,9.741166,74.965767,91.040199

18.2015610,-0.177966,9.384650,2.550749,9.726749,74.796944,91.086403

18.2040749,-0.156431,9.396614,2.531606,9.732926,74.923561,90.953751

18.2065887,-0.149252,9.418150,2.555535,9.759845,74.820625,90.907906

18.2091026,-0.144467,9.399008,2.550749,9.740048,74.818207,90.880592

18.2116184,-0.177966,9.413364,2.579463,9.762004,74.678497,91.083084

18.2141304,-0.168395,9.458828,2.596213,9.810102,74.654030,91.019928

18.2166462,-0.173181,9.446864,2.548356,9.786079,74.905830,91.050232

18.2191620,-0.170788,9.439685,2.600998,9.792957,74.597458,91.036514

18.2216740,-0.139681,9.466006,2.569891,9.809645,74.812660,90.845398

18.2241821,-0.139681,9.497113,2.533999,9.830352,75.062042,90.842628

18.2266979,-0.142074,9.466006,2.550749,9.804682,74.920670,90.859879

18.2292118,-0.127717,9.482756,2.548356,9.820035,74.959259,90.771629

18.2317257,-0.113360,9.482756,2.529213,9.814908,75.066902,90.684898

18.2342396,-0.137288,9.506984,2.517249,9.835554,75.171082,90.827339

18.2367535,-0.173181,9.502198,2.512464,9.830272,75.191788,91.044121

18.2392693,-0.175573,9.540483,2.533999,9.872830,75.127800,91.054291

18.2417812,-0.144467,9.528519,2.524428,9.858310,75.162941,90.868622

18.2442913,-0.146859,9.489935,2.476571,9.808866,75.375511,90.886597

18.2468052,-0.180359,9.530911,2.459822,9.844873,75.530884,91.084114

18.2493191,-0.156431,9.509377,2.443072,9.819435,75.593506,90.942436

18.2518330,-0.110967,9.518948,2.445465,9.828682,75.592949,90.667892

18.2543468,-0.182752,9.494720,2.450250,9.807489,75.532272,91.102676

18.2568607,-0.139681,9.487542,2.443072,9.798038,75.561363,90.843483

18.2593765,-0.149252,9.468399,2.455036,9.782640,75.465767,90.903091

18.2618885,-0.168395,9.468399,2.459822,9.784154,75.439110,91.018898

18.2644081,-0.142074,9.461221,2.440679,9.771991,75.536530,90.860313

18.2669220,-0.120538,9.449257,2.438286,9.759520,75.532150,90.730850

18.2694359,-0.142074,9.463614,2.443072,9.774905,75.526451,90.860100

18.2719498,-0.206979,9.468399,2.419144,9.774747,75.671021,91.252289

18.2744637,-0.182752,9.461221,2.440679,9.772667,75.537552,91.106583

18.2769775,-0.151645,9.477970,2.464607,9.794345,75.425674,90.916641

18.2794914,-0.170788,9.470792,2.469393,9.788920,75.388474,91.033112

18.2820053,-0.127717,9.494720,2.450250,9.806618,75.530960,90.770660

18.2845173,-0.127717,9.528519,2.438286,9.836372,75.647621,90.767929

18.2870293,-0.146859,9.526126,2.474179,9.843283,75.442169,90.883232

18.2895451,-0.168395,9.475577,2.498107,9.800789,75.233032,91.018120

18.2920570,-0.151645,9.487542,2.495714,9.811475,75.263931,90.915718

18.2945728,-0.161216,9.485149,2.517249,9.814816,75.139030,90.973747

18.2970848,-0.185145,9.514162,2.488536,9.835973,75.344681,91.114830

18.2996006,-0.125324,9.473185,2.486143,9.794786,75.296143,90.757942

18.3021126,-0.137288,9.477970,2.481357,9.798362,75.330559,90.829872

18.3046303,-0.118146,9.463614,2.476571,9.783013,75.335999,90.715256

18.3071423,-0.103789,9.461221,2.500500,9.786622,75.196678,90.628502

18.3096581,-0.089432,9.473185,2.467000,9.789551,75.403900,90.540886

18.3121719,-0.089432,9.463614,2.457429,9.777880,75.444046,90.541435

18.3146858,-0.094217,9.439685,2.476571,9.759607,75.300041,90.571846

18.3172016,-0.108574,9.434899,2.471786,9.753914,75.320328,90.659317

18.3197136,-0.118146,9.425328,2.443072,9.737524,75.469666,90.718163

18.3222294,-0.070289,9.444471,2.481357,9.765250,75.279694,90.426407

18.3247433,-0.070289,9.413364,2.493321,9.738225,75.165108,90.427818

18.3272591,-0.067896,9.394221,2.462214,9.711771,75.313568,90.414093

18.3297710,-0.067896,9.372686,2.505285,9.701975,75.035278,90.415047

18.3322868,-0.027218,9.396614,2.510071,9.726128,75.044128,90.165962

18.3347988,-0.082253,9.403793,2.522035,9.736465,74.987495,90.501144

18.3373146,-0.063111,9.394221,2.486143,9.717834,75.177048,90.384911

18.3398285,-0.053539,9.413364,2.507678,9.741804,75.083321,90.325874

18.3423424,-0.058325,9.413364,2.462214,9.730227,75.342049,90.354996

18.3448544,-0.065504,9.470792,2.452643,9.783438,75.481453,90.396271

18.3473701,-0.082253,9.439685,2.445465,9.751652,75.476654,90.499237

18.3498821,-0.089432,9.413364,2.445465,9.726239,75.437874,90.544319

18.3523979,-0.096610,9.422935,2.450250,9.736773,75.424881,90.587418

18.3549099,-0.089432,9.430114,2.431108,9.738856,75.544403,90.543358

18.3574257,-0.091825,9.432507,2.431108,9.741196,75.547943,90.557755

18.3599377,-0.087039,9.466006,2.414358,9.769441,75.692032,90.526817

18.3624535,-0.067896,9.442079,2.421536,9.747887,75.616165,90.411995

18.3649712,-0.096610,9.492328,2.411965,9.794447,75.743782,90.583122

18.3674831,-0.051147,9.514162,2.443072,9.822957,75.598785,90.308006

18.3699989,-0.072682,9.475577,2.433501,9.783341,75.597084,90.439476

18.3725109,-0.113360,9.494720,2.416751,9.798125,75.720375,90.684036

18.3750267,-0.087039,9.526126,2.411965,9.827117,75.792175,90.523491

18.3775387,-0.099003,9.511769,2.416751,9.814491,75.744690,90.596344

18.3800545,-0.067896,9.523733,2.440679,9.831736,75.626320,90.408463

18.3825684,-0.058325,9.557233,2.447858,9.865906,75.634132,90.349655

18.3850803,-0.046361,9.588340,2.392823,9.882510,75.987885,90.277031

18.3875923,-0.039182,9.523733,2.404787,9.822730,75.828888,90.235725

18.3901081,-0.024826,9.523733,2.450250,9.833913,75.571991,90.149353

18.3926201,-0.043968,9.538090,2.411965,9.838428,75.808853,90.264114

18.3951359,-0.051147,9.516555,2.431108,9.822308,75.669853,90.307930

18.3976479,-0.067896,9.521340,2.392823,9.817644,75.893394,90.408569

18.4001637,-0.015254,9.523733,2.452643,9.834489,75.558464,90.091774

18.4026775,-0.029611,9.487542,2.495714,9.810348,75.262199,90.178825

18.4051971,-0.036790,9.466006,2.450250,9.778054,75.487762,90.222679

18.4077129,-0.075075,9.454042,2.464607,9.770305,75.389015,90.454979

18.4102249,-0.087039,9.427721,2.478964,9.748578,75.268494,90.528954

18.4127407,-0.084646,9.454042,2.443072,9.764973,75.511406,90.512978

18.4152546,-0.087039,9.480363,2.483750,9.800708,75.319687,90.526016

18.4177685,-0.077468,9.502198,2.512464,9.829051,75.189903,90.467102

18.4202824,-0.101396,9.494720,2.514857,9.822653,75.165596,90.611847

18.4227982,-0.127717,9.494720,2.507678,9.821124,75.206558,90.770660

18.4253063,-0.089432,9.487542,2.510071,9.814372,75.181694,90.540070

18.4278202,-0.101396,9.509377,2.538785,9.842965,75.052795,90.610909

18.4303341,-0.072682,9.516555,2.569891,9.857710,74.888481,90.437584

18.4328499,-0.132503,9.533304,2.522035,9.862155,75.183235,90.796295

18.4353619,-0.134895,9.518948,2.545963,9.854465,75.027443,90.811897

18.4378777,-0.146859,9.526126,2.538785,9.859719,75.078789,90.883232

18.4403896,-0.146859,9.540483,2.512464,9.866857,75.247940,90.881905

18.4429054,-0.185145,9.552447,2.529213,9.883342,75.172684,91.110359

18.4454079,-0.177966,9.559626,2.533999,9.891374,75.156319,91.066521

18.4479218,-0.182752,9.552447,2.548356,9.888214,75.065392,91.096016

18.4504356,-0.180359,9.535697,2.512464,9.862785,75.241714,91.083565

18.4529514,-0.182752,9.576375,2.502892,9.899739,75.355309,91.093277

18.4554634,-0.194716,9.562018,2.522035,9.890944,75.227348,91.166580

18.4579754,-0.197109,9.581161,2.495714,9.902831,75.402908,91.178551

18.4604912,-0.173181,9.597911,2.500500,9.919798,75.399864,91.033707

18.4630051,-0.180359,9.557233,2.483750,9.876348,75.434616,91.081123

18.4655342,-0.173181,9.550055,2.467000,9.865071,75.518097,91.038887

18.4680481,-0.194716,9.538090,2.414358,9.840843,75.798042,91.169502

18.4705639,-0.214158,9.523733,2.474179,9.842200,75.440536,91.288177

18.4730759,-0.197109,9.518948,2.438286,9.828248,75.635506,91.186256

18.4755917,-0.197109,9.542876,2.478964,9.861572,75.441040,91.183281

18.4781055,-0.192323,9.494720,2.500500,9.820347,75.248672,91.160416

18.4806194,-0.187537,9.511769,2.488536,9.833704,75.341225,91.129517

18.4831333,-0.173181,9.533304,2.483750,9.853065,75.399437,91.040710

18.4856434,-0.166002,9.497113,2.502892,9.822789,75.237991,91.001381

18.4881554,-0.175573,9.487542,2.498107,9.812483,75.251030,91.060173

18.4906712,-0.182752,9.535697,2.522035,9.865272,75.188026,91.097939

18.4931850,-0.192323,9.499506,2.538785,9.834786,75.040077,91.159828

18.4956989,-0.149252,9.540483,2.533999,9.872397,75.127129,90.896271

18.4982128,-0.170788,9.511769,2.538785,9.846235,75.057877,91.028656

18.5007267,-0.168395,9.521340,2.529213,9.852980,75.125938,91.013229

18.5032406,-0.118146,9.557233,2.524428,9.885716,75.205017,90.708252

18.5057621,-0.161216,9.550055,2.567499,9.890480,74.954094,90.967133

18.5082779,-0.151645,9.521340,2.569891,9.863228,74.897133,90.912468

18.5107918,-0.158824,9.526126,2.560320,9.865472,74.958221,90.955170

18.5133057,-0.118146,9.521340,2.529213,9.852248,75.124809,90.710922

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18.5183353,-0.139681,9.530911,2.543571,9.865472,75.058922,90.839645

18.5208473,-0.091825,9.523733,2.524428,9.853053,75.154846,90.552406

18.5233631,-0.077468,9.542876,2.526821,9.872047,75.169693,90.465111

18.5258713,-0.070289,9.511769,2.502892,9.835811,75.257973,90.423393

18.5283871,-0.110967,9.511769,2.514857,9.839236,75.191170,90.668396

18.5309010,-0.065504,9.516555,2.502892,9.840405,75.265015,90.394363

18.5334148,-0.075075,9.494720,2.471786,9.811477,75.408371,90.453026

18.5359287,-0.106182,9.502198,2.505285,9.827487,75.230782,90.640221

18.5384426,-0.101396,9.492328,2.505285,9.817893,75.216019,90.612000

18.5409565,-0.106182,9.509377,2.476571,9.827152,75.403328,90.639740

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18.5459862,-0.075075,9.523733,2.493321,9.844988,75.329613,90.451645

18.5485001,-0.063111,9.552447,2.541178,9.884878,75.103287,90.378532

18.5510139,-0.041575,9.535697,2.526821,9.864891,75.158691,90.249809

18.5535297,-0.048754,9.542876,2.510071,9.867590,75.263428,90.292717

18.5560436,-0.089432,9.538090,2.526821,9.867521,75.162735,90.537209

18.5585575,-0.036790,9.533304,2.545963,9.867480,75.047653,90.221107

18.5610733,-0.063111,9.540483,2.557927,9.877641,74.991554,90.379005

18.5635853,-0.096610,9.514162,2.533999,9.846307,75.086807,90.581779

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18.5686169,-0.099003,9.530911,2.517249,9.858226,75.205963,90.595146

18.5711327,-0.075075,9.494720,2.514857,9.822416,75.165230,90.453026

18.5736446,-0.122931,9.511769,2.500500,9.835719,75.272247,90.740456

18.5761604,-0.113360,9.499506,2.512464,9.826797,75.186432,90.683693

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18.5811882,-0.137288,9.487542,2.498107,9.811872,75.250092,90.829033

18.5837021,-0.130110,9.480363,2.474179,9.798763,75.374557,90.786285

18.5862160,-0.110967,9.492328,2.474179,9.810105,75.391846,90.669769

18.5887318,-0.151645,9.463614,2.457429,9.778646,75.445213,90.918030

18.5912457,-0.168395,9.451650,2.486143,9.774608,75.265099,91.020699

18.5937595,-0.156431,9.480363,2.505285,9.807049,75.199295,90.945320

18.5962734,-0.202194,9.492328,2.512464,9.821285,75.177925,91.220261

18.5987892,-0.221336,9.511769,2.498107,9.836833,75.288361,91.333015

18.6013012,-0.254836,9.506984,2.522035,9.839124,75.147758,91.535454

18.6038170,-0.257228,9.530911,2.548356,9.869071,75.035744,91.545975

18.6063347,-0.283549,9.497113,2.553142,9.838399,74.959137,91.710136

18.6088505,-0.278764,9.514162,2.565106,9.857827,74.917473,91.678276

18.6113625,-0.271585,9.521340,2.572284,9.866425,74.887749,91.633850

18.6138783,-0.295514,9.509377,2.567499,9.854320,74.897568,91.779953

18.6163940,-0.288335,9.502198,2.646761,9.868143,74.442062,91.738052

18.6189079,-0.266800,9.482756,2.668296,9.854626,74.290154,91.611603

18.6214218,-0.285942,9.480363,2.658725,9.850272,74.340858,91.727608

18.6239357,-0.288335,9.489935,2.641975,9.855051,74.449753,91.740295

18.6264439,-0.290728,9.449257,2.704189,9.832885,74.037102,91.762276

18.6289577,-0.273978,9.482756,2.723331,9.869866,73.982925,91.654945

18.6314735,-0.262014,9.461221,2.740081,9.853496,73.854225,91.586311

18.6339855,-0.247657,9.437292,2.735295,9.828817,73.841621,91.503235

18.6365013,-0.250050,9.456435,2.780759,9.859985,73.618919,91.514679

18.6390152,-0.209372,9.432507,2.754438,9.828680,73.725174,91.271576

18.6415291,-0.204586,9.458828,2.778366,9.860558,73.634392,91.239067

18.6440430,-0.228515,9.454042,2.799901,9.862585,73.507416,91.384636

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18.6540985,-0.161216,9.487542,2.780759,9.887976,73.666588,90.973503

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18.6591263,-0.137288,9.477970,2.747260,9.869052,73.836983,90.829872

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18.6666718,-0.146859,9.463614,2.687439,9.838896,74.148537,90.889061

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18.6767273,-0.118146,9.473185,2.622833,9.830281,74.525375,90.714531

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18.6842709,-0.144467,9.432507,2.634797,9.794652,74.395012,90.877464

18.6867847,-0.113360,9.413364,2.608177,9.768667,74.514526,90.689949

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18.6918144,-0.113360,9.399008,2.586641,9.749098,74.613968,90.691002

18.6943283,-0.120538,9.403793,2.612962,9.760811,74.472595,90.734383

18.6968422,-0.058325,9.415757,2.579463,9.762864,74.679886,90.354912

18.6993580,-0.089432,9.391829,2.610569,9.748308,74.466774,90.545570

18.7018700,-0.087039,9.367901,2.612962,9.725879,74.415405,90.532333

18.7043858,-0.103789,9.379865,2.553142,9.721685,74.774216,90.633957

18.7068996,-0.110967,9.384650,2.548356,9.725127,74.808960,90.677452

18.7094135,-0.122931,9.375079,2.577070,9.723606,74.631126,90.751251

18.7119274,-0.096610,9.351151,2.598605,9.705982,74.470627,90.591927

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18.7194710,-0.067896,9.367901,2.553142,9.709826,74.755173,90.415260

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18.9407120,-0.077468,9.451650,2.586641,9.799510,74.695061,90.469597

18.9432278,-0.077468,9.489935,2.584249,9.835813,74.767372,90.467705

18.9457417,-0.089432,9.482756,2.603391,9.834038,74.648933,90.540337

18.9482574,-0.053539,9.487542,2.617748,9.842202,74.575294,90.323326

18.9507694,-0.110967,9.487542,2.608177,9.840140,74.629791,90.670105

18.9532852,-0.089432,9.521340,2.610569,9.873145,74.668037,90.538147

18.9557972,-0.058325,9.530911,2.637190,9.889209,74.533585,90.350624

18.9583130,-0.096610,9.521340,2.637190,9.880284,74.519264,90.581345

18.9608288,-0.113360,9.530911,2.682653,9.901906,74.280807,90.681442

18.9633408,-0.065504,9.492328,2.663511,9.859151,74.326439,90.395370

18.9658566,-0.108574,9.485149,2.617748,9.840348,74.572319,90.655823

18.9683704,-0.110967,9.502198,2.632404,9.860712,74.516617,90.669075

18.9708843,-0.099003,9.470792,2.663511,9.838699,74.293015,90.598923

18.9733982,-0.036790,9.468399,2.632404,9.827588,74.463120,90.222626

18.9759121,-0.063111,9.430114,2.610569,9.784994,74.526466,90.383446

18.9784260,-0.072682,9.430114,2.591427,9.779970,74.634659,90.441597

18.9809418,-0.077468,9.430114,2.581856,9.777475,74.688805,90.470673

18.9834538,-0.058325,9.427721,2.584249,9.775667,74.671356,90.354462

18.9859695,-0.029611,9.410972,2.536392,9.746822,74.916435,90.180275

18.9884815,-0.043968,9.391829,2.548356,9.731521,74.819176,90.268227

18.9909973,-0.020040,9.432507,2.498107,9.757721,75.166359,90.121727

18.9935093,-0.010469,9.353543,2.524428,9.688220,74.896309,90.064125

18.9960251,-0.027218,9.360723,2.531606,9.697056,74.866463,90.166603

18.9985390,-0.010469,9.389436,2.478964,9.711173,75.210457,90.063881

19.0010529,-0.022433,9.382257,2.502892,9.710393,75.063164,90.136993

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19.0086002,0.015852,9.401401,2.486143,9.724582,75.187569,89.903389

19.0111141,-0.015254,9.406186,2.512464,9.735967,75.045021,90.092918

19.0136299,-0.008076,9.422935,2.500500,9.749065,75.138336,90.049103

19.0161419,0.023031,9.408579,2.519642,9.740148,75.007874,89.859749

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19.0211716,-0.008076,9.410972,2.495714,9.736275,75.147499,90.049164

19.0236855,-0.029611,9.415757,2.498107,9.741555,75.141182,90.180183

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19.0462112,0.063709,9.475577,2.426322,9.781496,75.637718,89.614777

19.0487576,0.049352,9.504591,2.421536,9.808339,75.706711,89.702499

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19.0915604,0.121436,9.557233,2.553142,9.893127,75.044296,89.272026

19.0940723,0.083151,9.542876,2.586641,9.887574,74.834663,89.500771

19.0965881,0.085543,9.475577,2.562713,9.816383,74.866745,89.482758

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19.1041298,0.080758,9.502198,2.577070,9.845790,74.826469,89.513062

19.1066456,0.078365,9.504591,2.577070,9.848080,74.830086,89.527611

19.1091595,0.090329,9.442079,2.550749,9.780968,74.883240,89.451889

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19.1167030,0.018245,9.516555,2.550749,9.852486,74.995560,89.890152

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19.1217308,0.011067,9.497113,2.545963,9.832457,74.993141,89.933235

19.1242466,-0.017647,9.514162,2.548356,9.849554,75.005394,90.106270

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19.1317825,-0.022433,9.516555,2.577070,9.859342,74.847824,90.135056

19.1342964,-0.032004,9.583553,2.562713,9.920334,75.029045,90.191338

19.1368103,-0.060718,9.545269,2.541178,9.877926,75.092560,90.364456

19.1393242,-0.060718,9.521340,2.557927,9.859138,74.962730,90.365372

19.1418381,-0.075075,9.477970,2.548356,9.814870,74.951157,90.453827

19.1443539,-0.082253,9.511769,2.557927,9.850052,74.948532,90.495453

19.1468658,-0.096610,9.504591,2.598605,9.853899,74.709480,90.582367

19.1493835,-0.132503,9.499506,2.605784,9.851309,74.662079,90.799133

19.1518955,-0.144467,9.480363,2.593820,9.829855,74.700081,90.873032

19.1544113,-0.173181,9.477970,2.591427,9.827380,74.710602,91.046783

19.1569252,-0.197109,9.466006,2.596213,9.817558,74.665970,91.192886

19.1594391,-0.202194,9.485149,2.610569,9.839919,74.614983,91.221184

19.1619530,-0.218943,9.499506,2.627618,9.858647,74.542160,91.320313

19.1644688,-0.204586,9.494720,2.617748,9.851101,74.589577,91.234383

19.1669807,-0.199502,9.497113,2.649154,9.861692,74.417198,91.203407

19.1694965,-0.189930,9.516555,2.612962,9.870586,74.649559,91.143349

19.1720085,-0.180359,9.504591,2.617748,9.860142,74.604057,91.087112

19.1745243,-0.185145,9.523733,2.661118,9.890264,74.391403,91.113708

19.1770382,-0.185145,9.521340,2.649154,9.884747,74.454460,91.113991

19.1795521,-0.197109,9.518948,2.630011,9.877560,74.558090,91.186256

19.1820679,-0.197109,9.511769,2.644368,9.874476,74.466705,91.187149

19.1845798,-0.168395,9.523733,2.658725,9.889321,74.404266,91.012978

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19.1896076,-0.187537,9.535697,2.639582,9.896064,74.530190,91.126686

19.1921234,-0.151645,9.562018,2.661118,9.926567,74.449928,90.908585

19.1946354,-0.130110,9.547662,2.673082,9.915651,74.360603,90.780746

19.1971512,-0.137288,9.492328,2.658725,9.858598,74.354424,90.828613

19.1996651,-0.134895,9.449257,2.622833,9.807441,74.488434,90.817886

19.2021790,-0.139681,9.497113,2.639582,9.858096,74.469109,90.842628

19.2046928,-0.108574,9.509377,2.605784,9.860535,74.676781,90.654152

19.2072067,-0.122931,9.523733,2.600998,9.873287,74.725845,90.739525

19.2097301,-0.146859,9.533304,2.589034,9.879704,74.807915,90.882568

19.2122440,-0.096610,9.523733,2.572284,9.865469,74.886253,90.581200

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19.2197876,-0.043968,9.530911,2.627618,9.886586,74.586929,90.264313

19.2223015,-0.075075,9.542876,2.610569,9.893796,74.700821,90.450745

19.2248154,-0.091825,9.564411,2.620141,9.917233,74.680534,90.550056

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19.2449284,-0.125324,9.657731,2.548356,9.989074,75.219643,90.743462

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19.2675457,-0.209372,9.573982,2.514857,9.900984,75.285622,91.252792

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19.2725563,-0.120538,9.545269,2.481357,9.863256,75.429214,90.723495

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19.3178329,-0.206979,9.387043,2.612962,9.746126,74.448608,91.263138

19.3203487,-0.238086,9.365508,2.593820,9.720974,74.524445,91.456238

19.3228626,-0.250050,9.410972,2.596213,9.765718,74.582558,91.521996

19.3253765,-0.259621,9.363115,2.596213,9.719859,74.507996,91.588295

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19.3329182,-0.285942,9.315259,2.541178,9.659886,74.747993,91.758209

19.3354340,-0.295514,9.308080,2.519642,9.647604,74.860641,91.818420

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19.3530216,-0.360120,9.332008,2.529213,9.675381,74.846428,92.209930

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19.3580494,-0.355334,9.367901,2.565106,9.719238,74.697182,92.172249

19.3605652,-0.388834,9.348758,2.591427,9.709065,74.519646,92.381676

19.3630772,-0.355334,9.332008,2.543571,9.678967,74.764114,92.180595

19.3655930,-0.362513,9.382257,2.526821,9.723323,74.937523,92.212700

19.3681049,-0.367298,9.336794,2.524428,9.679017,74.881607,92.252785

19.3706169,-0.348156,9.355937,2.557927,9.705553,74.719009,92.131126

19.3731289,-0.357727,9.387043,2.593820,9.745380,74.564171,92.182404

19.3756447,-0.381655,9.360723,2.596213,9.721580,74.510803,92.334770

19.3781567,-0.393619,9.382257,2.600998,9.744069,74.518250,92.402351

19.3806725,-0.388834,9.389436,2.565106,9.741277,74.732651,92.371368

19.3831844,-0.410369,9.406186,2.562713,9.757676,74.773491,92.498093

19.3856983,-0.441476,9.396614,2.543571,9.744794,74.869499,92.689919

19.3882122,-0.429512,9.406186,2.565106,9.759128,74.761253,92.614464

19.3907318,-0.422333,9.422935,2.565106,9.774960,74.786530,92.566261

19.3932476,-0.429512,9.439685,2.529213,9.782078,75.015610,92.605194

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19.3982754,-0.434297,9.420543,2.557927,9.771297,74.824310,92.639526

19.4007874,-0.439083,9.444471,2.533999,9.788360,74.996452,92.661819

19.4033031,-0.417548,9.434899,2.541178,9.780044,74.939850,92.534012

19.4058151,-0.436690,9.482756,2.512464,9.819665,75.175423,92.636665

19.4083309,-0.398405,9.449257,2.517249,9.786916,75.095688,92.414307

19.4108391,-0.386441,9.451650,2.557927,9.799286,74.868690,92.341293

19.4133549,-0.343370,9.461221,2.548356,9.804423,74.934746,92.078484

19.4158669,-0.319442,9.437292,2.569891,9.786157,74.775322,91.938660

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19.4208946,-0.297906,9.430114,2.572284,9.779184,74.749672,91.809425

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19.4284363,-0.233300,9.434899,2.634797,9.798669,74.401573,91.416489

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19.4334679,-0.139681,9.413364,2.630011,9.774860,74.391739,90.850128

19.4359798,-0.187537,9.401401,2.625226,9.762854,74.401215,91.142776

19.4384956,-0.206979,9.389436,2.603391,9.745871,74.506584,91.262817

19.4410076,-0.221336,9.384650,2.673082,9.760431,74.105362,91.351067

19.4435234,-0.250050,9.360723,2.723331,9.752035,73.784088,91.530159

19.4460354,-0.238086,9.355937,2.706582,9.742476,73.870308,91.457726

19.4485512,-0.245264,9.332008,2.730510,9.726367,73.696060,91.505501

19.4510593,-0.264407,9.358330,2.754438,9.758851,73.605446,91.618385

19.4535751,-0.271585,9.346365,2.749652,9.746224,73.612938,91.664421

19.4560871,-0.278764,9.327223,2.752045,9.728748,73.567978,91.711899

19.4586029,-0.305085,9.339187,2.752045,9.741008,73.589241,91.871025

19.4611149,-0.362513,9.370294,2.752045,9.772798,73.644127,92.215523

19.4636307,-0.393619,9.365508,2.732903,9.764038,73.746078,92.406647

19.4661427,-0.407976,9.336794,2.764009,9.745867,73.524323,92.501976

19.4686584,-0.467797,9.343972,2.752045,9.752046,73.608337,92.866066

19.4711704,-0.489631,9.399008,2.787937,9.815991,73.499725,92.982063

19.4736862,-0.492024,9.415757,2.811866,9.838962,73.393990,92.991295

19.4761982,-0.561416,9.442079,2.783152,9.859715,73.603966,93.402740

19.4787140,-0.604487,9.442079,2.771188,9.858891,73.675018,93.663109

19.4812260,-0.599701,9.461221,2.783152,9.880297,73.639076,93.626854

19.4837418,-0.602094,9.437292,2.795116,9.860917,73.533546,93.650490

19.4862537,-0.642772,9.475577,2.759224,9.890047,73.800072,93.880692

19.4887695,-0.640379,9.494720,2.775973,9.912912,73.737640,93.858521

19.4912853,-0.642772,9.521340,2.735295,9.927281,74.006210,93.862099

19.4937973,-0.640379,9.511769,2.732903,9.917288,74.004044,93.851624

19.4963093,-0.637986,9.569197,2.756831,9.978811,73.962379,93.814316

19.4988251,-0.618844,9.576375,2.735295,9.978565,74.090591,93.697426

19.5013390,-0.614058,9.600304,2.718546,9.996669,74.219955,93.659790

19.5038528,-0.587737,9.597911,2.732903,9.996704,74.134483,93.504189

19.5063667,-0.568594,9.550055,2.706582,9.942456,74.203308,93.407272

19.5088806,-0.556630,9.545269,2.711367,9.938486,74.168159,93.337410

19.5113792,-0.532702,9.581161,2.716153,9.972959,74.195740,93.182304

19.5138931,-0.511167,9.564411,2.692225,9.949237,74.300262,93.059242

19.5164051,-0.460618,9.552447,2.716153,9.941775,74.144867,92.760658

19.5189209,-0.467797,9.552447,2.694618,9.936250,74.264877,92.803612

19.5214329,-0.458226,9.550055,2.728117,9.942642,74.074600,92.747032

19.5239468,-0.424726,9.538090,2.706582,9.923766,74.172783,92.549667

19.5264606,-0.431904,9.502198,2.687439,9.884363,74.223358,92.602478

19.5289745,-0.405583,9.506984,2.752045,9.905604,73.869438,92.442848

19.5315075,-0.405583,9.499506,2.764009,9.901760,73.790924,92.444771

19.5340214,-0.345763,9.502198,2.735295,9.894097,73.951126,92.083939

19.5365353,-0.357727,9.473185,2.716153,9.861373,74.012146,92.162582

19.5390491,-0.362513,9.439685,2.706582,9.826732,74.012329,92.199249

19.5415630,-0.348156,9.408579,2.766402,9.813029,73.625702,92.119209

19.5440769,-0.333799,9.408579,2.792723,9.819983,73.477501,92.031898

19.5465908,-0.317049,9.382257,2.768795,9.787416,73.567032,91.935425

19.5491047,-0.326620,9.396614,2.778366,9.804201,73.537651,91.990761

19.5516129,-0.300299,9.375079,2.816651,9.793662,73.285706,91.834648

19.5541267,-0.297906,9.401401,2.826223,9.821538,73.276245,91.814949

19.5566406,-0.281157,9.367901,2.807080,9.783471,73.326309,91.719086

19.5591545,-0.276371,9.343972,2.826223,9.765947,73.178223,91.694168

19.5616684,-0.300299,9.353543,2.835794,9.778583,73.142014,91.838875

19.5641823,-0.307478,9.358330,2.833401,9.782691,73.163948,91.881836

19.5666962,-0.297906,9.341579,2.814259,9.760835,73.242508,91.826561

19.5692081,-0.324227,9.329616,2.850151,9.760646,73.022011,91.990372

19.5717239,-0.352941,9.339187,2.842973,9.768698,73.080437,92.164261

19.5742359,-0.379262,9.358330,2.826223,9.783134,73.208649,92.320740

19.5767517,-0.427119,9.305687,2.828615,9.735467,73.109261,92.627960

19.5792637,-0.369691,9.308080,2.833401,9.736795,73.082207,92.274437

19.5817795,-0.355334,9.346365,2.826223,9.770790,73.186806,92.177246

19.5842915,-0.374477,9.348758,2.814259,9.770341,73.259293,92.293831

19.5868073,-0.372084,9.348758,2.783152,9.761334,73.433975,92.279190

19.5893192,-0.396012,9.360723,2.814259,9.782638,73.280952,92.422493

19.5918312,-0.393619,9.394221,2.792723,9.808447,73.457504,92.399300

19.5943451,-0.417548,9.384650,2.747260,9.787413,73.698425,92.547562

19.5968590,-0.419940,9.389436,2.752045,9.793447,73.679581,92.560837

19.5993729,-0.405583,9.403793,2.766402,9.810647,73.621613,92.469620

19.6018867,-0.455833,9.422935,2.749652,9.826499,73.750526,92.769516

19.6043987,-0.398405,9.399008,2.725724,9.794368,73.841530,92.427200

19.6069145,-0.419940,9.403793,2.720938,9.798530,73.877708,92.556931

19.6094265,-0.443869,9.406186,2.694618,9.794606,74.031288,92.701729

19.6119423,-0.463011,9.449257,2.740081,9.849410,73.847343,92.805237

19.6144562,-0.470489,9.442079,2.764009,9.849566,73.702644,92.852631

19.6169701,-0.455833,9.480363,2.759224,9.884249,73.790306,92.752762

19.6194839,-0.455833,9.458828,2.771188,9.866950,73.688728,92.759018

19.6219978,-0.470489,9.494720,2.756831,9.898040,73.827934,92.836838

19.6245117,-0.458226,9.480363,2.742474,9.879697,73.883766,92.767189

19.6270237,-0.484846,9.514162,2.783152,9.924731,73.714371,92.917290

19.6295395,-0.460618,9.487542,2.737688,9.885371,73.922142,92.779518

19.6320591,-0.465404,9.470792,2.725724,9.866209,73.962372,92.813309

19.6345730,-0.482453,9.451650,2.771188,9.861335,73.679176,92.922089

19.6370869,-0.499203,9.456435,2.764009,9.864741,73.728409,93.021820

19.6396008,-0.458226,9.470792,2.764009,9.876518,73.748352,92.769981

19.6421146,-0.455833,9.418150,2.766402,9.826612,73.648972,92.770920

19.6446285,-0.463011,9.446864,2.768795,9.855144,73.683136,92.805946

19.6471443,-0.436690,9.399008,2.754438,9.804029,73.683113,92.660126

19.6496563,-0.455833,9.391829,2.780759,9.805450,73.525223,92.778671

19.6521626,-0.422333,9.406186,2.780759,9.817704,73.546371,92.570824

19.6546783,-0.393619,9.363115,2.756831,9.768469,73.607414,92.407257

19.6571903,-0.419940,9.353543,2.766402,9.763099,73.539581,92.570648

19.6597061,-0.407976,9.351151,2.766402,9.760299,73.534729,92.498138

19.6622181,-0.431904,9.360723,2.809473,9.782781,73.310471,92.641762

19.6647320,-0.431904,9.396614,2.771188,9.806242,73.584900,92.631683

19.6672459,-0.431904,9.367901,2.759224,9.775348,73.604660,92.639740

19.6697598,-0.407976,9.413364,2.759224,9.817902,73.677711,92.481651

19.6722717,-0.410369,9.434899,2.749652,9.835971,73.766609,92.490501

19.6747856,-0.410369,9.420543,2.778366,9.830277,73.582558,92.494293

19.6772976,-0.415155,9.470792,2.740081,9.867943,73.878510,92.509972

19.6798134,-0.379262,9.454042,2.718546,9.844453,73.969444,92.297272

19.6823254,-0.388834,9.463614,2.735295,9.858652,73.891853,92.352798

19.6848412,-0.396012,9.442079,2.730510,9.836938,73.884338,92.401649

19.6873531,-0.434297,9.446864,2.737688,9.845140,73.854645,92.632187

19.6898670,-0.412762,9.470792,2.682653,9.852051,74.199188,92.495522

19.6923809,-0.400798,9.451650,2.701796,9.838395,74.060776,92.428177

19.6948948,-0.419940,9.475577,2.725724,9.868764,73.966637,92.537582

19.6974068,-0.386441,9.473185,2.692225,9.855893,74.147675,92.335976

19.6999226,-0.415155,9.449257,2.644368,9.821074,74.380089,92.515678

19.7024345,-0.419940,9.430114,2.656332,9.806095,74.283012,92.549805

19.7049503,-0.400798,9.449257,2.630011,9.816621,74.459816,92.428787

19.7074623,-0.372084,9.418150,2.632404,9.786191,74.395729,92.262413

19.7099762,-0.319442,9.430114,2.685046,9.810125,74.115349,91.940132

19.7124882,-0.305085,9.389436,2.644368,9.759471,74.278954,91.861023

19.7150040,-0.326620,9.389436,2.653939,9.762765,74.226036,91.992287

19.7175159,-0.276371,9.382257,2.716153,9.771419,73.860962,91.687263

19.7200298,-0.290728,9.367901,2.732903,9.762728,73.743835,91.777573

19.7225437,-0.290728,9.379865,2.737688,9.775547,73.736526,91.775307

19.7250576,-0.278764,9.341579,2.749652,9.741838,73.605347,91.709267

19.7275715,-0.276371,9.324830,2.737688,9.722333,73.645020,91.697647

19.7300854,-0.281157,9.327223,2.764009,9.732208,73.500534,91.726585

19.7326069,-0.283549,9.329616,2.811866,9.748267,73.234955,91.740822

19.7351189,-0.305085,9.334401,2.869293,9.770208,72.921730,91.871986

19.7376347,-0.307478,9.324830,2.823830,9.747872,73.160797,91.888588

19.7401466,-0.307478,9.372686,2.842973,9.799198,73.134682,91.878952

19.7426624,-0.333799,9.298509,2.857329,9.733345,72.928741,92.055923

19.7451744,-0.350549,9.272188,2.840580,9.703878,72.978760,92.165115

19.7476902,-0.386441,9.272188,2.847758,9.707344,72.940704,92.386559

19.7502022,-0.403191,9.260223,2.838187,9.693792,72.975296,92.493088

19.7527142,-0.448654,9.279366,2.886043,9.728165,72.742363,92.768074

19.7552261,-0.460618,9.310472,2.883650,9.757689,72.810921,92.832291

19.7577400,-0.460618,9.317652,2.888735,9.766043,72.794853,92.830116

19.7602539,-0.463011,9.317652,2.862115,9.758315,72.944366,92.844795

19.7627678,-0.455833,9.336794,2.850151,9.772761,73.043694,92.795021

19.7652817,-0.484846,9.322437,2.862115,9.763945,72.954506,92.977180

19.7677956,-0.453440,9.346365,2.821437,9.773466,73.220856,92.777534

19.7703094,-0.492024,9.358330,2.838187,9.791615,73.150490,93.009613

19.7728214,-0.523131,9.370294,2.816651,9.798449,73.294113,93.195427

19.7753353,-0.527916,9.365508,2.792723,9.787274,73.420692,93.226242

19.7778492,-0.542273,9.384650,2.706582,9.782193,73.937576,93.307045

19.7803612,-0.530309,9.384650,2.728117,9.787519,73.815323,93.234238

19.7828770,-0.544666,9.415757,2.756831,9.826152,73.706337,93.310654

19.7853889,-0.566202,9.415757,2.704189,9.812732,74.003441,93.441246

19.7879028,-0.542273,9.408579,2.665904,9.794001,74.204918,93.298653

19.7904167,-0.532702,9.451650,2.675475,9.837460,74.218590,93.225822

19.7929306,-0.525524,9.415757,2.658725,9.798035,74.255211,93.194550

19.7954445,-0.499203,9.449257,2.615355,9.817217,74.549545,93.024117

19.7979584,-0.475274,9.422935,2.593820,9.784963,74.628159,92.887444

19.8004723,-0.494417,9.427721,2.603391,9.793059,74.583107,93.002007

19.8029861,-0.470489,9.461221,2.612962,9.826679,74.579269,92.846863

19.8054981,-0.448654,9.442079,2.608177,9.805953,74.574875,92.720444

19.8080139,-0.460618,9.413364,2.620141,9.782062,74.463539,92.801384

19.8105259,-0.419940,9.475577,2.596213,9.833780,74.691887,92.537582

19.8130417,-0.369691,9.475577,2.603391,9.833661,74.648331,92.234268

19.8155575,-0.396012,9.437292,2.589034,9.793998,74.671722,92.402863

19.8180695,-0.376870,9.454042,2.565106,9.803097,74.831253,92.282791

19.8205814,-0.381655,9.439685,2.617748,9.803363,74.512657,92.315262

19.8230972,-0.340977,9.454042,2.589034,9.808072,74.694260,92.065582

19.8256111,-0.321835,9.418150,2.617748,9.780477,74.475502,91.957138

19.8281250,-0.381655,9.389436,2.610569,9.753063,74.474533,92.327637

19.8306389,-0.340977,9.413364,2.603391,9.772683,74.550156,92.074501

19.8331566,-0.326620,9.396614,2.639582,9.765779,74.318535,91.990761

19.8356724,-0.336192,9.382257,2.612962,9.745119,74.446960,92.052185

19.8381844,-0.331406,9.384650,2.596213,9.742783,74.545357,92.022484

19.8407001,-0.307478,9.391829,2.605784,9.751467,74.501114,91.875130

19.8432121,-0.312263,9.399008,2.646761,9.769555,74.281021,91.902840

19.8457279,-0.321835,9.434899,2.692225,9.816770,74.082825,91.953667

19.8482399,-0.307478,9.415757,2.687439,9.796599,74.078285,91.870369

19.8507557,-0.295514,9.403793,2.675475,9.781453,74.125847,91.799927

19.8532639,-0.324227,9.430114,2.658725,9.803111,74.263580,91.969177

19.8557777,-0.314656,9.389436,2.661118,9.764326,74.184845,91.919365

19.8582916,-0.285942,9.375079,2.675475,9.753566,74.079254,91.746994

19.8608055,-0.288335,9.406186,2.704189,9.791430,73.967705,91.755783

19.8633194,-0.285942,9.430114,2.694618,9.811716,74.059875,91.736809

19.8658333,-0.281157,9.408579,2.670689,9.784324,74.159760,91.711662

19.8683453,-0.297906,9.437292,2.685046,9.816349,74.125687,91.808052

19.8708611,-0.309871,9.444471,2.665904,9.818406,74.245201,91.879189

19.8733730,-0.300299,9.461221,2.658725,9.832278,74.311462,91.817955

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19.8784008,-0.273978,9.463614,2.677868,9.839005,74.206650,91.658287

19.8809147,-0.305085,9.439685,2.663511,9.813003,74.250816,91.851120

19.8834286,-0.357727,9.444471,2.649154,9.815498,74.341980,92.169151

19.8859425,-0.331406,9.473185,2.653939,9.843498,74.358734,92.003593

19.8884563,-0.307478,9.494720,2.632404,9.857677,74.511734,91.854820

19.8909702,-0.329013,9.477970,2.677868,9.854498,74.232132,91.988136

19.8934841,-0.336192,9.466006,2.656332,9.837398,74.334312,92.034042

19.8959980,-0.305085,9.468399,2.668296,9.841924,74.269356,91.845512

19.8985138,-0.340977,9.485149,2.620141,9.846292,74.567413,92.058815

19.9010258,-0.352941,9.482756,2.591427,9.836803,74.725601,92.131523

19.9035378,-0.336192,9.485149,2.603391,9.841682,74.661148,92.029938

19.9060535,-0.329013,9.449257,2.603391,9.806851,74.605324,91.994171

19.9085674,-0.367298,9.434899,2.596213,9.792475,74.625725,92.229385

19.9110813,-0.376870,9.456435,2.572284,9.807285,74.794426,92.282211

19.9135971,-0.333799,9.439685,2.555535,9.785184,74.860878,92.025208

19.9161091,-0.338584,9.410972,2.541178,9.753902,74.898529,92.060478

19.9186230,-0.331406,9.430114,2.517249,9.765932,75.062912,92.012741

19.9211369,-0.321835,9.422935,2.545963,9.766126,74.888794,91.956139

19.9236507,-0.307478,9.413364,2.550749,9.757678,74.846291,91.870842

19.9261646,-0.319442,9.377472,2.553142,9.724071,74.778046,91.951019

19.9286785,-0.305085,9.406186,2.565106,9.754444,74.753761,91.857712

19.9311924,-0.254836,9.420543,2.538785,9.759969,74.922684,91.549530

19.9337120,-0.250050,9.420543,2.550749,9.762964,74.854691,91.520447

19.9362240,-0.285942,9.425328,2.567499,9.772954,74.768799,91.737686

19.9387398,-0.312263,9.382257,2.567499,9.732231,74.703506,91.906235

19.9412518,-0.314656,9.422935,2.543571,9.765268,74.901978,91.912544

19.9437675,-0.307478,9.425328,2.577070,9.776127,74.715714,91.868469

19.9462833,-0.329013,9.420543,2.574677,9.771583,74.722977,92.000244

19.9487953,-0.295514,9.458828,2.543571,9.799312,74.955673,91.789459

19.9513111,-0.266800,9.456435,2.536392,9.794316,74.991302,91.616089

19.9538174,-0.223729,9.461221,2.577070,9.808468,74.767334,91.354614

19.9563293,-0.214158,9.477970,2.581856,9.825668,74.765724,91.294395

19.9588451,-0.216550,9.502198,2.589034,9.850978,74.762543,91.305519

19.9613571,-0.187537,9.480363,2.586641,9.828691,74.741608,91.133263

19.9638729,-0.216550,9.494720,2.536392,9.830050,75.047134,91.306541

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19.9714127,-0.204586,9.463614,2.502892,9.791134,75.189171,91.238441

19.9739265,-0.218943,9.470792,2.531606,9.805757,75.038170,91.324310

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19.9839802,-0.276371,9.487542,2.517249,9.819694,75.146584,91.668549

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19.9890079,-0.317049,9.425328,2.500500,9.756528,75.149963,91.926590

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19.9940376,-0.348156,9.451650,2.502892,9.783628,75.177551,92.109558

19.9965534,-0.391227,9.432507,2.505285,9.767379,75.137802,92.375061

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20.0191727,-0.472882,9.554840,2.455036,9.876527,75.606926,92.833328

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20.0242004,-0.525524,9.578768,2.452643,9.901738,75.658653,93.140289

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20.0518570,-0.609272,9.492328,2.474179,9.828381,75.419609,93.672539

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20.0619087,-0.645165,9.370294,2.488536,9.716556,75.160461,93.938721

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20.0669365,-0.671486,9.355937,2.531606,9.715631,74.896088,94.105141

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20.0719643,-0.683450,9.367901,2.517249,9.724259,74.997406,94.172714

20.0744762,-0.676271,9.387043,2.493321,9.736045,75.161713,94.120644

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20.0971127,-0.568594,9.442079,2.414358,9.762442,75.681557,93.446144

20.0996284,-0.511167,9.451650,2.431108,9.772679,75.595512,93.095673

20.1021423,-0.530309,9.509377,2.423929,9.827762,75.721161,93.191910

20.1046562,-0.535095,9.473185,2.411965,9.790052,75.737251,93.232933

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20.1147022,-0.400798,9.590733,2.423929,9.900415,75.828148,92.393005

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20.1197300,-0.355334,9.614660,2.419144,9.920695,75.886223,92.116547

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20.1247578,-0.326620,9.650553,2.407180,9.951601,76.001961,91.938423

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20.1725216,-0.209372,9.550055,2.306382,9.826839,76.425926,91.255928

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20.1775513,-0.189930,9.489935,2.376073,9.784716,75.946068,91.146561

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20.1876068,-0.218943,9.415757,2.438286,9.728806,75.485474,91.332054

20.1901188,-0.228515,9.375079,2.426322,9.686659,75.494034,91.396294

20.1926346,-0.257228,9.389436,2.452643,9.707891,75.365959,91.569252

20.1951485,-0.230907,9.394221,2.467000,9.715493,75.290146,91.408028

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20.2177734,-0.161216,9.279366,2.464607,9.602444,75.127762,90.995338

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20.6954021,-0.369691,9.372686,2.673082,9.753425,74.093636,92.258774

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20.9317169,-0.616451,9.614660,2.236990,9.890694,76.928246,93.668541

20.9342289,-0.602094,9.602696,2.220240,9.874399,77.006050,93.587776

20.9367447,-0.592523,9.578768,2.227419,9.852171,76.933365,93.539688

20.9392567,-0.594916,9.612267,2.217848,9.882735,77.031441,93.541588

20.9417725,-0.604487,9.621839,2.169991,9.882006,77.315041,93.594849

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20.9468002,-0.599701,9.590733,2.256133,9.870762,76.787270,93.578003

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20.9518280,-0.556630,9.547662,2.201098,9.813894,77.039230,93.336578

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20.9618874,-0.472882,9.446864,2.136492,9.696981,77.271851,92.865662

20.9644012,-0.458226,9.413364,2.186741,9.674876,76.936981,92.786858

20.9669151,-0.453440,9.391829,2.179562,9.652074,76.949318,92.764107

20.9694309,-0.436690,9.408579,2.172384,9.665987,77.012108,92.657425

20.9719429,-0.403191,9.382257,2.220240,9.649807,76.698143,92.460701

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21.0725250,-0.741177,9.696016,2.371287,10.009250,76.295784,94.371269

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21.1051769,-0.716949,9.902099,2.383251,10.210067,76.501396,94.141205

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21.1303158,-0.683450,9.547662,2.507678,9.895120,75.319679,94.094421

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21.1604805,-0.796212,9.293723,2.579463,9.677855,74.541962,94.896683

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21.1680222,-0.887139,9.291330,2.600998,9.689222,74.428398,95.454086

21.1705360,-0.911067,9.324830,2.557927,9.712131,74.729614,95.580276

21.1730499,-0.927817,9.320045,2.579463,9.714819,74.602242,95.685104

21.1755638,-0.930210,9.377472,2.612962,9.779051,74.502281,95.664993

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21.1981888,-0.906282,9.497113,2.553142,9.875983,75.017723,95.451065

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21.2032166,-0.887139,9.564411,2.467000,9.917211,75.595886,95.299263

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21.4319820,-0.396012,9.480363,2.107778,9.719919,77.475838,92.391960

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21.4370098,-0.451047,9.559626,2.057229,9.788876,77.868279,92.701355

21.4395237,-0.470489,9.605089,2.086242,9.840300,77.759827,92.804291

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21.4445515,-0.477667,9.621839,2.150848,9.870872,77.414368,92.842064

21.4470654,-0.518345,9.662517,2.124527,9.906893,77.616776,93.070686

21.4495792,-0.537488,9.672089,2.155634,9.923959,77.454483,93.180710

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21.4546070,-0.559023,9.693624,2.174777,9.950301,77.375298,93.300545

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21.4621506,-0.645165,9.760623,2.241776,10.035515,77.092117,93.781677

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21.4671783,-0.654736,9.705587,2.246561,9.983694,76.995766,93.859306

21.4696941,-0.676271,9.698409,2.270490,9.983566,76.854614,93.988785

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21.4747219,-0.640379,9.676874,2.282454,9.963010,76.756332,93.786102

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21.6205177,-0.515952,9.434899,2.419144,9.753757,75.639519,93.130135

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21.9297218,-0.467797,9.660124,2.630011,10.022664,74.787102,92.772415

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21.9699402,-0.350549,9.149855,2.675475,9.539439,73.712067,92.194038

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22.0529003,-1.081257,9.703195,2.713760,10.133390,74.466377,96.358414

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22.1811008,-0.925424,9.147462,2.747260,9.595827,73.363586,95.776802

22.1836166,-1.014258,9.192925,2.704189,9.635935,73.701843,96.295990

22.1861286,-1.042972,9.212068,2.701796,9.656588,73.752457,96.459404

22.1886425,-1.129113,9.219247,2.737688,9.683199,73.577057,96.982437

22.1911564,-1.191327,9.291330,2.740081,9.759924,73.695137,97.306549

22.1936703,-1.200898,9.379865,2.728117,9.842085,73.907501,97.295853

22.1961842,-1.251147,9.406186,2.723331,9.872094,73.986633,97.576622

22.1986980,-1.267897,9.432507,2.773581,9.913248,73.752609,97.655685

22.2012119,-1.255933,9.446864,2.783152,9.928068,73.720001,97.572899

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22.2062378,-1.251147,9.566804,2.780759,10.041002,73.922318,97.450859

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22.2188072,-1.148256,9.691231,2.754438,10.140285,74.238525,96.757133

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22.4274521,-0.496810,9.420543,2.612962,9.788821,74.518143,93.018806

22.4299660,-0.453440,9.449257,2.620141,9.816272,74.519043,92.747337

22.4324799,-0.436690,9.422935,2.569891,9.776848,74.760475,92.653381

22.4349937,-0.403191,9.427721,2.543571,9.773138,74.914429,92.448845

22.4375076,-0.388834,9.418150,2.577070,9.772104,74.709267,92.364143

22.4400215,-0.374477,9.389436,2.553142,9.737570,74.799660,92.283905

22.4425354,-0.372084,9.355937,2.596213,9.716600,74.502670,92.277443

22.4450493,-0.362513,9.353543,2.557927,9.703772,74.716141,92.219482

22.4475651,-0.374477,9.308080,2.567499,9.662951,74.591125,92.303848

22.4500771,-0.360120,9.286545,2.591427,9.648062,74.419289,92.220741

22.4525890,-0.367298,9.197711,2.574677,9.558334,74.373535,92.286812

22.4551048,-0.396012,9.142676,2.538785,9.496882,74.494659,92.480202

22.4576187,-0.434297,9.092427,2.591427,9.464478,74.109154,92.734642

22.4601326,-0.415155,9.032606,2.632404,9.417530,73.768341,92.631561

22.4626465,-0.458226,9.008678,2.622833,9.393908,73.787193,92.911835

22.4651604,-0.508774,8.987143,2.586641,9.365805,73.967697,93.240128

22.4676609,-0.520738,8.970393,2.625226,9.361139,73.713608,93.322334

22.4701748,-0.590130,8.987143,2.617748,9.379210,73.793434,93.756866

22.4726868,-0.614058,9.020642,2.555535,9.395734,74.217354,93.894264

22.4752026,-0.640379,9.073284,2.591427,9.457805,74.097641,94.037155

22.4777145,-0.669093,9.046964,2.586641,9.433236,74.085350,94.229767

22.4802284,-0.728914,9.085249,2.579463,9.472418,74.198051,94.587044

22.4827423,-0.798605,9.137891,2.593820,9.532403,74.210403,94.994667

22.4852562,-0.820140,9.149855,2.572284,9.539870,74.357445,95.121971

22.4877872,-0.863211,9.195318,2.596213,9.593713,74.299072,95.362923

22.4902992,-0.927817,9.238688,2.630011,9.650450,74.185287,95.734833

22.4928150,-0.956531,9.257831,2.615355,9.667598,74.304314,95.898941

22.4953270,-0.961317,9.360723,2.663511,9.779650,74.195709,95.863541

22.4978428,-0.994816,9.399008,2.680260,9.824195,74.167717,96.041847

22.5003548,-1.023829,9.434899,2.658725,9.855677,74.349663,96.193222

22.5028706,-1.001994,9.482756,2.706582,9.912226,74.153870,96.031769

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22.5104141,-1.019043,9.581161,2.725724,10.013324,74.204201,96.071098

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22.5154419,-0.915853,9.609875,2.785545,10.047276,73.904228,95.444038

22.5179539,-0.918246,9.669696,2.780759,10.103406,74.024284,95.424606

22.5204697,-0.913460,9.652946,2.787937,10.088923,73.958328,95.405815

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22.5254974,-0.887139,9.667302,2.835794,10.113628,73.716316,95.243172

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22.5305233,-0.822533,9.648160,2.795116,10.078503,73.898819,94.872841

22.5330372,-0.781855,9.672089,2.816651,10.104164,73.813705,94.621521

22.5355511,-0.793819,9.667302,2.797509,10.095194,73.912033,94.694244

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22.5430927,-0.745962,9.652946,2.697010,10.050357,74.433914,94.418930

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22.5481186,-0.726521,9.614660,2.706582,10.014745,74.320282,94.321274

22.5506325,-0.750748,9.614660,2.670689,10.006892,74.521011,94.464806

22.5531464,-0.695414,9.578768,2.649154,9.962650,74.579056,94.152359

22.5556602,-0.642772,9.576375,2.641975,9.954906,74.609612,93.839966

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22.5632019,-0.616451,9.427721,2.644368,9.810944,74.363548,93.741074

22.5657158,-0.604487,9.444471,2.665904,9.832114,74.267738,93.662178

22.5682278,-0.599701,9.389436,2.692225,9.786175,74.031738,93.654503

22.5707417,-0.597308,9.365508,2.634797,9.747394,74.317413,93.649239

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22.5833111,-0.527916,9.291330,2.670689,9.681947,73.987793,93.251945

22.5858250,-0.470489,9.281759,2.673082,9.670460,73.953506,92.901817

22.5883389,-0.472882,9.250652,2.658725,9.636753,73.984688,92.926338

22.5908527,-0.441476,9.272188,2.625226,9.646770,74.208641,92.725960

22.5933666,-0.407976,9.265009,2.617748,9.636360,74.237335,92.521339

22.5958805,-0.400798,9.291330,2.617748,9.661369,74.279198,92.470024

22.5983944,-0.393619,9.334401,2.581856,9.692882,74.551857,92.414658

22.6009083,-0.369691,9.305687,2.591427,9.666849,74.450333,92.275017

22.6034222,-0.367298,9.320045,2.524428,9.662861,74.855721,92.256828

22.6059361,-0.355334,9.305687,2.519642,9.647314,74.860176,92.186752

22.6084557,-0.333799,9.360723,2.519642,9.699646,74.943794,92.042274

22.6109695,-0.319442,9.315259,2.502892,9.650936,74.968979,91.964035

22.6134853,-0.329013,9.308080,2.510071,9.646194,74.917259,92.024391

22.6159973,-0.321835,9.327223,2.476571,9.655779,75.138351,91.976196

22.6185131,-0.384048,9.315259,2.517249,9.657022,74.890465,92.360847

22.6210251,-0.396012,9.308080,2.526821,9.653082,74.825294,92.436180

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22.6260529,-0.407976,9.262616,2.524428,9.609122,74.768982,92.521988

22.6285648,-0.451047,9.250652,2.538785,9.603304,74.670731,92.791443

22.6310768,-0.520738,9.267402,2.603391,9.640204,74.332428,93.216087

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22.6361046,-0.614058,9.231211,2.598605,9.609633,74.310936,93.805695

22.6386204,-0.630808,9.310472,2.581856,9.682396,74.534706,93.876007

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22.6511879,-0.908674,9.348758,2.641975,9.757304,74.289970,95.551559

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22.6562157,-0.968495,9.329616,2.675475,9.753864,74.079758,95.926567

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22.6612434,-1.062114,9.437292,2.617748,9.851049,74.589493,96.421295

22.6637592,-1.066900,9.434899,2.646761,9.857025,74.424065,96.451607

22.6662712,-1.076471,9.466006,2.713760,9.905986,74.100456,96.487785

22.6687832,-1.090828,9.499506,2.708974,9.938262,74.182129,96.550583

22.6712971,-1.093221,9.557233,2.737688,10.001538,74.113853,96.525513

22.6738110,-1.090828,9.578768,2.780759,10.033709,73.910316,96.496841

22.6763248,-1.042972,9.602696,2.799901,10.056789,73.834724,96.198730

22.6788387,-1.045364,9.612267,2.778366,10.060208,73.968025,96.206703

22.6813545,-1.009472,9.629018,2.821437,10.084519,73.752983,95.984825

22.6838665,-1.004686,9.607482,2.799901,10.057463,73.835838,95.969910

22.6863823,-0.992423,9.619446,2.811866,10.071010,73.787300,95.890274

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22.6914101,-0.973281,9.652946,2.845365,10.110526,73.654663,95.757523

22.6939220,-0.954138,9.640982,2.814259,10.088555,73.802124,95.651978

22.6964378,-0.891925,9.614660,2.816651,10.058367,73.737961,95.299995

22.6989498,-0.870389,9.593125,2.816651,10.035893,73.700531,95.184280

22.7014656,-0.832104,9.595518,2.835794,10.040323,73.594086,94.956177

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22.7115211,-0.774676,9.509377,2.799901,9.943230,73.644951,94.657288

22.7140350,-0.760319,9.528519,2.761616,9.949738,73.885567,94.562195

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22.7190609,-0.714557,9.494720,2.804687,9.926056,73.587059,94.303871

22.7215767,-0.757927,9.487542,2.752045,9.907657,73.872871,94.567459

22.7240887,-0.726521,9.470792,2.747260,9.887930,73.868683,94.386665

22.7266045,-0.704985,9.473185,2.778366,9.897350,73.696930,94.256050

22.7291126,-0.697807,9.437292,2.749652,9.854441,73.797874,94.228836

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22.7441940,-0.563809,9.365508,2.821437,9.797505,73.263237,93.445084

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22.7517395,-0.475274,9.341579,2.766402,9.754177,73.524101,92.912544

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22.7617950,-0.376870,9.312865,2.651546,9.690314,74.119698,92.317360

22.7643108,-0.338584,9.288938,2.689832,9.676476,73.860535,92.087524

22.7668228,-0.312263,9.300901,2.625226,9.669337,74.246452,91.922897

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22.7768764,-0.302692,9.267402,2.615355,9.634129,74.248375,91.870728

22.7793884,-0.326620,9.226425,2.649154,9.604771,73.989326,92.027451

22.7819042,-0.293121,9.219247,2.651546,9.597455,73.961929,91.821075

22.7844162,-0.338584,9.216854,2.646761,9.595331,73.988014,92.103836

22.7869320,-0.374477,9.216854,2.615355,9.588051,74.170692,92.326622

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22.7969875,-0.511167,9.253045,2.600998,9.625244,74.322243,93.161980

22.7995014,-0.508774,9.274581,2.598605,9.645178,74.370232,93.139915

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22.9201603,-0.317049,9.406186,2.840580,9.830856,73.205177,91.930504

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22.9251881,-0.312263,9.422935,2.759224,9.823570,73.687393,91.898010

22.9277039,-0.293121,9.415757,2.780759,9.822170,73.554062,91.783089

22.9302177,-0.269193,9.430114,2.775973,9.833898,73.603302,91.635124

22.9327316,-0.247657,9.446864,2.761616,9.845359,73.709991,91.501709

22.9352455,-0.216550,9.427721,2.704189,9.810273,73.999329,91.315826

22.9377594,-0.238086,9.403793,2.716153,9.791093,73.894279,91.450310

22.9402714,-0.240479,9.403793,2.706582,9.788501,73.948204,91.464882

22.9427872,-0.245264,9.406186,2.694618,9.787618,74.019585,91.493637

22.9452991,-0.230907,9.408579,2.668296,9.782355,74.171059,91.405884

22.9478149,-0.259621,9.401401,2.644368,9.769669,74.295792,91.581833

22.9503269,-0.240479,9.399008,2.612962,9.758419,74.468689,91.465622

22.9528408,-0.276371,9.408579,2.615355,9.769228,74.471741,91.682541

22.9553547,-0.309871,9.401401,2.600998,9.759485,74.543320,91.887787

22.9578686,-0.357727,9.399008,2.630011,9.766590,74.378189,92.179626

22.9603825,-0.369691,9.370294,2.622833,9.737470,74.374130,92.259346

22.9628963,-0.381655,9.394221,2.589034,9.751930,74.603966,92.326454

22.9654121,-0.386441,9.389436,2.593820,9.748781,74.569695,92.356789

22.9679241,-0.415155,9.430114,2.605784,9.792319,74.567383,92.520782

22.9704418,-0.412762,9.427721,2.605784,9.789913,74.563499,92.506905

22.9729538,-0.439083,9.437292,2.612962,9.802186,74.539772,92.663841

22.9754696,-0.417548,9.437292,2.625226,9.804522,74.469185,92.533363

22.9779816,-0.436690,9.466006,2.670689,9.845230,74.260307,92.641319

22.9804974,-0.441476,9.458828,2.673082,9.839192,74.235916,92.672249

22.9830093,-0.439083,9.475577,2.637190,9.845513,74.463219,92.653099

22.9855251,-0.451047,9.516555,2.682653,9.897721,74.273987,92.713562

22.9880371,-0.453440,9.523733,2.692225,9.907329,74.232124,92.725883

22.9905529,-0.453440,9.545269,2.723331,9.936513,74.093216,92.719742

22.9930649,-0.431904,9.509377,2.759224,9.911009,73.835274,92.600517

22.9955807,-0.415155,9.468399,2.792723,9.880397,73.581398,92.510605

22.9980927,-0.400798,9.463614,2.802294,9.877929,73.519287,92.425110

23.0006084,-0.407976,9.449257,2.847758,9.877481,73.243309,92.472237

23.0031204,-0.391227,9.468399,2.850151,9.895807,73.260788,92.366066

23.0056362,-0.374477,9.415757,2.816651,9.835154,73.358276,92.277527

23.0081482,-0.391227,9.442079,2.878865,9.878956,73.057381,92.372658

23.0106621,-0.333799,9.379865,2.910270,9.826645,72.772820,92.038109

23.0131741,-0.326620,9.348758,2.927020,9.801703,72.625046,92.000946

23.0156898,-0.350549,9.358330,2.912663,9.807386,72.723289,92.145210

23.0182018,-0.343370,9.343972,2.900699,9.789881,72.764755,92.104546

23.0207176,-0.336192,9.317652,2.917449,9.769502,72.624771,92.066399

23.0232296,-0.321835,9.332008,2.941377,9.789875,72.515312,91.975189

23.0257454,-0.329013,9.346365,2.931806,9.800932,72.594315,92.016106

23.0282574,-0.367298,9.315259,2.927020,9.771203,72.569077,92.257988

23.0307713,-0.340977,9.293723,2.927020,9.749719,72.529434,92.101181

23.0332832,-0.317049,9.269794,2.919842,9.723944,72.525970,91.958885

23.0357990,-0.355334,9.260223,2.927020,9.718305,72.471130,92.197479

23.0383110,-0.340977,9.260223,2.941377,9.722125,72.389496,92.108772

23.0408249,-0.374477,9.202497,2.919842,9.661866,72.410049,92.330246

23.0433388,-0.367298,9.209675,2.893521,9.660512,72.571198,92.283844

23.0458527,-0.348156,9.200104,2.931806,9.662226,72.336288,92.167183

23.0483665,-0.379262,9.192925,2.912663,9.650768,72.433868,92.362450

23.0508614,-0.374477,9.207282,2.915056,9.664979,72.445656,92.329041

23.0533752,-0.381655,9.192925,2.876472,9.640001,72.639122,92.377335

23.0558872,-0.405583,9.233903,2.854937,9.673682,72.835022,92.514999

23.0584011,-0.381655,9.168997,2.847758,9.608636,72.760002,92.383537

23.0609150,-0.403191,9.166604,2.809473,9.595953,72.975723,92.518517

23.0634289,-0.400798,9.188140,2.816651,9.618527,72.972176,92.497726

23.0659409,-0.410369,9.195318,2.809473,9.623691,73.026283,92.555305

23.0684547,-0.451047,9.190533,2.792723,9.616061,73.116730,92.809669

23.0709896,-0.436690,9.188140,2.804687,9.616594,73.043190,92.721085

23.0735035,-0.424726,9.216854,2.797509,9.641413,73.132736,92.638405

23.0760174,-0.446261,9.216854,2.780759,9.637540,73.229782,92.771980

23.0785313,-0.453440,9.260223,2.775973,9.677984,73.331505,92.803329

23.0810432,-0.472882,9.284152,2.773581,9.701126,73.387169,92.915802

23.0835590,-0.460618,9.274581,2.752045,9.685235,73.492043,92.843239

23.0860710,-0.451047,9.339187,2.780759,9.754818,73.437256,92.765022

23.0885868,-0.446261,9.346365,2.787937,9.763518,73.408485,92.733627

23.0911007,-0.451047,9.346365,2.773581,9.759648,73.489647,92.762901

23.0936146,-0.451047,9.410972,2.797509,9.828321,73.462822,92.743958

23.0961285,-0.443869,9.418150,2.775973,9.828764,73.594498,92.698303

23.0986423,-0.460618,9.432507,2.730510,9.830566,73.873611,92.795708

23.1011562,-0.475274,9.456435,2.771188,9.865573,73.686386,92.877228

23.1036701,-0.463011,9.485149,2.759224,9.889174,73.798599,92.794640

23.1061840,-0.453440,9.494720,2.799901,9.909328,73.587418,92.734200

23.1086979,-0.484846,9.489935,2.775973,9.899493,73.714981,92.924728

23.1112118,-0.484846,9.494720,2.759224,9.899400,73.815796,92.923256

23.1137257,-0.503988,9.506984,2.706582,9.897593,74.129822,93.034546

23.1162395,-0.492024,9.499506,2.756831,9.903677,73.837395,92.964966

23.1187534,-0.566202,9.526126,2.766402,9.935826,73.833656,93.401474

23.1212673,-0.551845,9.475577,2.720938,9.873936,74.004150,93.333061

23.1237812,-0.559023,9.458828,2.692225,9.850381,74.138573,93.382286

23.1262951,-0.559023,9.463614,2.720938,9.862860,73.985703,93.380577

23.1288090,-0.618844,9.454042,2.740081,9.862552,73.869453,93.745132

23.1313210,-0.606880,9.461221,2.716153,9.862073,74.013313,93.670151

23.1338348,-0.630808,9.456435,2.742474,9.866268,73.861237,93.816360

23.1363487,-0.642772,9.456435,2.787937,9.879773,73.609261,93.888519

23.1388626,-0.659522,9.413364,2.790330,9.840343,73.527191,94.007721

23.1413765,-0.664307,9.446864,2.785545,9.871363,73.609375,94.022438

23.1438904,-0.657129,9.458828,2.838187,9.897300,73.335693,93.974098

23.1464062,-0.642772,9.454042,2.833401,9.890411,73.352684,93.889503

23.1489182,-0.626022,9.437292,2.831008,9.872639,73.336342,93.795151

23.1514339,-0.657129,9.427721,2.847758,9.870333,73.230812,93.987167

23.1539478,-0.635594,9.451650,2.862115,9.895926,73.188644,93.847168

23.1564617,-0.666700,9.430114,2.845365,9.872570,73.249229,94.044029

23.1589756,-0.628415,9.422935,2.915056,9.883530,72.846016,93.815399

23.1614895,-0.616451,9.432507,2.922235,9.894021,72.821259,93.739182

23.1640034,-0.582951,9.437292,2.972484,9.911508,72.548264,93.534729

23.1665173,-0.602094,9.427721,2.929413,9.890697,72.771774,93.654190

23.1690311,-0.604487,9.406186,2.912663,9.865361,72.827988,93.677048

23.1715450,-0.554238,9.387043,2.948556,9.854834,72.590508,93.378983

23.1740589,-0.570987,9.434899,2.938984,9.898534,72.727829,93.463242

23.1765728,-0.563809,9.410972,2.943770,9.876742,72.659439,93.428474

23.1790867,-0.501595,9.396614,2.982055,9.871201,72.416435,93.055573

23.1816006,-0.484846,9.375079,3.003591,9.856406,72.257790,92.960495

23.1841145,-0.515952,9.427721,2.998805,9.906612,72.379707,93.132507

23.1866283,-0.482453,9.446864,2.982055,9.918097,72.502266,92.923561

23.1891422,-0.434297,9.413364,2.986841,9.885406,72.413429,92.641541

23.1916561,-0.465404,9.403793,3.005983,9.883514,72.293503,92.833321

23.1941681,-0.467797,9.403793,2.991627,9.879271,72.373032,92.847862

23.1966839,-0.460618,9.403793,3.015555,9.886206,72.240242,92.804230

23.1991959,-0.446261,9.389436,3.008376,9.869700,72.253311,92.721107

23.2017117,-0.453440,9.394221,2.967698,9.862264,72.487457,92.763405

23.2042236,-0.492024,9.394221,2.998805,9.873516,72.318703,92.998138

23.2067394,-0.489631,9.389436,2.962913,9.857997,72.508804,92.985100

23.2092514,-0.535095,9.406186,2.922235,9.864183,72.767670,93.255905

23.2117653,-0.556630,9.375079,2.900699,9.829344,72.836098,93.397858

23.2142792,-0.599701,9.355937,2.905485,9.815042,72.781067,93.667557

23.2167931,-0.623629,9.375079,2.866901,9.823449,73.031700,93.805702

23.2193069,-0.630808,9.363115,2.859722,9.810395,73.052269,93.854286

23.2218208,-0.652343,9.336794,2.835794,9.779724,73.144043,93.996651

23.2243366,-0.690628,9.348758,2.823830,9.790314,73.235954,94.224983

23.2268486,-0.726521,9.363115,2.823830,9.806619,73.264648,94.436913

23.2293644,-0.750748,9.317652,2.842973,9.770607,73.083847,94.606522

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23.2670727,-1.086042,9.413364,2.888735,9.906346,73.045959,96.581253

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23.3676205,-0.168395,9.238688,2.833401,9.664879,72.952484,91.044220

23.3701344,-0.132503,9.236296,2.876472,9.674751,72.703445,90.821899

23.3726482,-0.182752,9.248260,2.895914,9.692781,72.616249,91.132057

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23.3902454,-0.214158,9.332008,2.931806,9.784055,72.563332,91.314636

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23.4053268,-0.269193,9.399008,2.958127,9.857197,72.536499,91.640533

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23.4204140,-0.132503,9.391829,3.027519,9.868630,72.134590,90.808289

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23.4254398,-0.146859,9.387043,3.063411,9.875355,71.928253,90.896317

23.4279537,-0.125324,9.410972,3.077768,9.902260,71.891663,90.762955

23.4304676,-0.096610,9.401401,3.061018,9.887644,71.966064,90.588760

23.4329796,-0.077468,9.410972,3.080161,9.902514,71.877579,90.471626

23.4354954,-0.094217,9.408579,3.094518,9.904861,71.794617,90.573738

23.4380074,-0.043968,9.401401,3.094518,9.897692,71.780968,90.267960

23.4405231,-0.032004,9.403793,3.149553,9.917259,71.483185,90.194992

23.4430351,-0.024826,9.420543,3.168994,9.939304,71.407539,90.150986

23.4455490,-0.017647,9.413364,3.149553,9.926300,71.500664,90.107414

23.4480629,-0.039182,9.358330,3.173780,9.881941,71.266319,90.239891

23.4505768,-0.017647,9.358330,3.197708,9.889590,71.134918,90.108040

23.4530888,0.023031,9.336794,3.200101,9.870000,71.081367,89.858673

23.4556046,-0.032004,9.339187,3.219244,9.878510,70.980888,90.196342

23.4581165,-0.063111,9.317652,3.195316,9.850515,71.071953,90.388069

23.4606323,-0.043968,9.332008,3.168994,9.855497,71.243561,90.269951

23.4631443,-0.010469,9.312865,3.176173,9.839596,71.167953,90.064407

23.4656601,-0.022433,9.305687,3.171387,9.831277,71.180893,90.138123

23.4681721,-0.020040,9.296116,3.157030,9.817587,71.242172,90.123512

23.4706860,-0.022433,9.291330,3.168994,9.816916,71.167084,90.138336

23.4732018,-0.065504,9.281759,3.154338,9.803326,71.230476,90.404343

23.4757175,-0.091825,9.248260,3.171387,9.777343,71.073143,90.568863

23.4782295,-0.055932,9.260223,3.157030,9.783748,71.174858,90.346062

23.4807434,-0.099003,9.250652,3.202494,9.789808,70.905617,90.613174

23.4832573,-0.118146,9.241081,3.190530,9.777066,70.953957,90.732475

23.4857712,-0.091825,9.262616,3.166602,9.789374,71.126892,90.567978

23.4882870,-0.065504,9.281759,3.164209,9.806506,71.175880,90.404343

23.4907990,-0.127717,9.274581,3.185744,9.807300,71.044479,90.788948

23.4933109,-0.120538,9.284152,3.147160,9.803806,71.275734,90.743843

23.4958248,-0.089432,9.296116,3.178566,9.824920,71.124016,90.551186

23.4983406,-0.120538,9.298509,3.166602,9.823653,71.195221,90.742699

23.5008526,-0.113360,9.305687,3.183352,9.835771,71.116165,90.697929

23.5033684,-0.106182,9.360723,3.178566,9.886237,71.245476,90.649895

23.5058804,-0.115753,9.339187,3.197708,9.872140,71.100304,90.710106

23.5083961,-0.142074,9.317652,3.168994,9.842833,71.218529,90.873566

23.5109081,-0.106182,9.334401,3.207280,9.870611,71.038528,90.651726

23.5134239,-0.110967,9.360723,3.180959,9.887059,71.232452,90.679184

23.5159378,-0.101396,9.384650,3.209672,9.918868,71.119667,90.619026

23.5184517,-0.060718,9.394221,3.214458,9.929140,71.110756,90.370316

23.5209637,-0.096610,9.413364,3.245565,9.957633,70.977623,90.588013

23.5234795,-0.091825,9.425328,3.245565,9.968899,70.999947,90.558174

23.5259914,-0.055932,9.379865,3.264707,9.931933,70.809616,90.341652

23.5285072,-0.091825,9.387043,3.238386,9.930366,70.967194,90.560455

23.5310192,-0.096610,9.418150,3.245565,9.962157,70.986595,90.587715

23.5335350,-0.110967,9.437292,3.276671,9.990564,70.853989,90.673676

23.5360470,-0.089432,9.422935,3.276671,9.976787,70.826515,90.543770

23.5385628,-0.103789,9.418150,3.298207,9.979504,70.700989,90.631378

23.5410748,-0.127717,9.396614,3.269493,9.949987,70.816620,90.778702

23.5435905,-0.118146,9.415757,3.293421,9.975824,70.722710,90.718887

23.5461025,-0.113360,9.418150,3.319742,9.986746,70.584587,90.689598

23.5486183,-0.101396,9.418150,3.346063,9.995398,70.442032,90.616821

23.5511303,-0.099003,9.375079,3.312564,9.943591,70.540794,90.605034

23.5536442,-0.099003,9.430114,3.271886,9.982088,70.866173,90.601501

23.5561562,-0.144467,9.389436,3.291028,9.950541,70.686386,90.881485

23.5586720,-0.120538,9.351151,3.310171,9.920472,70.508270,90.738518

23.5611839,-0.067896,9.355937,3.298207,9.920501,70.581619,90.415787

23.5636978,-0.077468,9.334401,3.317349,9.906657,70.435936,90.475494

23.5662117,-0.084646,9.360723,3.317349,9.931520,70.486900,90.518097

23.5687256,-0.063111,9.324830,3.286243,9.887155,70.587013,90.387772

23.5712395,-0.067896,9.332008,3.269493,9.888406,70.692429,90.416855

23.5737534,-0.053539,9.303294,3.257529,9.857264,70.702698,90.329727

23.5762653,-0.089432,9.265009,3.264707,9.823782,70.589928,90.553040

23.5787811,-0.065504,9.279366,3.240779,9.829221,70.748909,90.404449

23.5812931,-0.103789,9.241081,3.274279,9.804553,70.491005,90.643478

23.5838089,-0.091825,9.221640,3.283850,9.789317,70.399948,90.570503

23.5863209,-0.130110,9.185747,3.288636,9.757562,70.303696,90.811501

23.5888367,-0.106182,9.135498,3.267100,9.702708,70.322807,90.665916

23.5913506,-0.070289,9.166604,3.269493,9.732479,70.370514,90.439331

23.5938663,-0.091825,9.130713,3.317349,9.715099,70.033951,90.576187

23.5963802,-0.079860,9.130713,3.336492,9.721546,69.927681,90.501114

23.5988941,-0.060718,9.133105,3.353242,9.729416,69.839577,90.380905

23.6014080,-0.084646,9.128320,3.348456,9.723454,69.856720,90.531281

23.6039219,-0.113360,9.097213,3.374777,9.703671,69.648193,90.713921

23.6064358,-0.113360,9.101998,3.398705,9.716502,69.525719,90.713547

23.6089497,-0.134895,9.054142,3.427718,9.682197,69.266434,90.853569

23.6114635,-0.091825,9.075677,3.417848,9.698352,69.364883,90.579681

23.6139755,-0.087039,9.032606,3.434897,9.664061,69.180199,90.552094

23.6164894,-0.101396,9.061320,3.461218,9.700404,69.095474,90.641113

23.6190014,-0.149252,9.070891,3.451647,9.706555,69.169807,90.942657

23.6215172,-0.166002,9.078070,3.444468,9.710987,69.225060,91.047600

23.6240292,-0.194716,9.075677,3.456432,9.713534,69.155266,91.229073

23.6265450,-0.211765,9.063713,3.461218,9.704420,69.104538,91.338417

23.6290569,-0.209372,9.080462,3.458825,9.719162,69.152802,91.320862

23.6315727,-0.262014,9.097213,3.477968,9.742905,69.085503,91.649750

23.6340866,-0.276371,9.118748,3.492325,9.768535,69.052795,91.735992

23.6366005,-0.288335,9.111569,3.432504,9.740940,69.367096,91.812515

23.6391144,-0.293121,9.164211,3.425326,9.787827,69.515266,91.832001

23.6416283,-0.309871,9.149855,3.451647,9.784157,69.342606,91.939644

23.6441402,-0.355334,9.168997,3.454040,9.804445,69.372360,92.219322

23.6466560,-0.338584,9.190533,3.408277,9.808001,69.665543,92.109856

23.6491680,-0.374477,9.190533,3.434897,9.818586,69.522705,92.333275

23.6516838,-0.405583,9.226425,3.449254,9.858437,69.520126,92.517036

23.6541977,-0.412762,9.226425,3.432504,9.852887,69.612015,92.561531

23.6567135,-0.424726,9.183354,3.420241,9.808794,69.592712,92.648018

23.6592274,-0.388834,9.157033,3.369992,9.765208,69.811989,92.431480

23.6617413,-0.422333,9.231211,3.312564,9.816654,70.278816,92.619492

23.6642551,-0.417548,9.207282,3.291028,9.786688,70.349846,92.596565

23.6667671,-0.407976,9.212068,3.291028,9.790787,70.358414,92.535812

23.6692829,-0.391227,9.216854,3.243172,9.778631,70.630493,92.430565

23.6717949,-0.367298,9.224032,3.240779,9.783677,70.655731,92.280296

23.6743107,-0.360120,9.233903,3.219244,9.785611,70.793289,92.233391

23.6768227,-0.348156,9.197711,3.207280,9.747089,70.788872,92.167747

23.6793385,-0.345763,9.214461,3.180959,9.754196,70.967056,92.148956

23.6818504,-0.314656,9.269794,3.197708,9.810884,70.977783,91.944115

23.6843662,-0.305085,9.216854,3.245565,9.776358,70.610947,91.895844

23.6868782,-0.300299,9.221640,3.252743,9.783106,70.580284,91.865158

23.6893940,-0.235693,9.212068,3.252743,9.772312,70.557968,91.465607

23.6919060,-0.252443,9.207282,3.224029,9.758696,70.708458,91.570526

23.6944218,-0.271585,9.188140,3.264707,9.754691,70.446877,91.693069

23.6969337,-0.269193,9.173783,3.269493,9.742707,70.391968,91.680786

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23.7095032,-0.276371,9.109177,3.264707,9.680485,70.290810,91.737808

23.7120171,-0.252443,9.051749,3.255136,9.622567,70.227791,91.597496

23.7145309,-0.264407,9.023035,3.235994,9.589407,70.278107,91.678490

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23.7195587,-0.235693,9.116355,3.257529,9.683748,70.342834,91.480988

23.7220726,-0.295514,9.068499,3.245565,9.636321,70.317642,91.866425

23.7245865,-0.305085,9.085249,3.269493,9.660456,70.218086,91.923286

23.7271004,-0.264407,9.049356,3.243172,9.616596,70.290741,91.673607

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23.7421894,-0.290728,9.099606,3.113661,9.621966,71.119270,91.829948

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23.7472172,-0.331406,9.164211,3.120839,9.686704,71.205330,92.071091

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23.7698460,-0.283549,9.176176,3.113661,9.694199,71.265213,91.769913

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23.8100605,-0.381655,9.145069,3.034697,9.642994,71.656998,92.389763

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23.8150826,-0.407976,9.123533,3.032305,9.622898,71.632339,92.560387

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23.8226242,-0.403191,9.228818,3.072983,9.735341,71.599808,92.501556

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23.9256897,-0.146859,9.339187,3.005983,9.812131,72.160370,90.900909

23.9282017,-0.154038,9.332008,2.974877,9.795918,72.320915,90.945663

23.9307156,-0.163609,9.336794,3.003591,9.809385,72.169891,91.003899

23.9332314,-0.187537,9.327223,2.991627,9.797045,72.220169,91.151863

23.9357452,-0.202194,9.355937,2.982055,9.821766,72.325020,91.238037

23.9382610,-0.197109,9.389436,2.974877,9.851408,72.423752,91.202614

23.9407730,-0.194716,9.351151,3.029912,9.831698,72.050545,91.192879

23.9432869,-0.189930,9.384650,3.046661,9.868631,72.017784,91.159416

23.9458008,-0.185145,9.427721,2.998805,9.894899,72.358170,91.125046

23.9483147,-0.163609,9.418150,3.003591,9.886854,72.314232,90.995224

23.9508286,-0.192323,9.415757,3.058625,9.901953,72.007584,91.170143

23.9533424,-0.199502,9.458828,3.053840,9.941587,72.110741,91.208282

23.9558544,-0.211765,9.482756,3.029912,9.957302,72.284523,91.279289

23.9583683,-0.194716,9.477970,3.058625,9.961176,72.118179,91.176926

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23.9633961,-0.177966,9.446864,3.070590,9.934960,71.996857,91.079247

23.9659100,-0.185145,9.401401,3.072983,9.892615,71.902557,91.128197

23.9684238,-0.206979,9.444471,3.099303,9.942161,71.836273,91.255455

23.9709358,-0.189930,9.432507,3.116053,9.935696,71.722351,91.153534

23.9734516,-0.228515,9.437292,3.120839,9.942552,71.706360,91.387093

23.9759655,-0.226122,9.408579,3.104089,9.909987,71.746101,91.376755

23.9784813,-0.221336,9.418150,3.111268,9.921216,71.723839,91.346260

23.9809933,-0.206979,9.413364,3.108875,9.915612,71.727707,91.259605

23.9835091,-0.182752,9.396614,3.106482,9.898484,71.709557,91.114189

23.9860210,-0.185145,9.422935,3.104089,9.922770,71.770447,91.125618

23.9885349,-0.182752,9.449257,3.128017,9.955217,71.686943,91.107979

23.9910488,-0.199502,9.439685,3.065804,9.927064,72.011093,91.210732

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23.9960747,-0.146859,9.454042,3.101696,9.950931,71.838341,90.889961

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24.0011005,-0.091825,9.408579,3.056233,9.892944,72.005211,90.559174

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24.0086441,-0.118146,9.406186,3.037090,9.885050,72.106979,90.719620

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24.0136700,-0.139681,9.439685,3.049054,9.920881,72.101181,90.847755

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24.0212116,-0.170788,9.437292,3.022733,9.911033,72.242638,91.036774

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24.0388088,-0.170788,9.372686,2.960520,9.830621,72.473137,91.043922

24.0413227,-0.149252,9.382257,2.967698,9.841558,72.449425,90.911377

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24.0463505,-0.197109,9.384650,2.927020,9.832496,72.681183,91.203224

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24.0513783,-0.233300,9.403793,2.965306,9.863001,72.503387,91.421165

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24.0564060,-0.245264,9.394221,2.967698,9.854887,72.473930,91.495537

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24.0614338,-0.221336,9.384650,2.953341,9.840878,72.535820,91.351067

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24.0714874,-0.254836,9.341579,2.943770,9.797747,72.515137,91.562622

24.0740013,-0.257228,9.315259,2.972484,9.781404,72.308525,91.581741

24.0765152,-0.252443,9.300901,2.984448,9.771255,72.215881,91.554726

24.0790272,-0.209372,9.276974,2.984448,9.747461,72.171013,91.292892

24.0815430,-0.226122,9.269794,3.027519,9.754286,71.917969,91.397362

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24.0865688,-0.240479,9.241081,3.015555,9.723630,71.933151,91.490662

24.0890827,-0.252443,9.080462,2.917449,9.540966,72.194824,91.592453

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24.0941105,-0.357727,9.168997,3.010769,9.657288,71.834587,92.234253

24.0966244,-0.338584,9.214461,3.070590,9.718511,71.581665,92.104378

24.0991383,-0.290728,9.233903,3.096911,9.743733,71.467888,91.803352

24.1016521,-0.242871,9.260223,3.128017,9.777281,71.341484,91.502373

24.1041660,-0.226122,9.334401,3.084947,9.833569,71.716690,91.387695

24.1066799,-0.204586,9.315259,3.080161,9.813424,71.707260,91.258156

24.1091938,-0.170788,9.269794,3.051447,9.760614,71.782288,91.055504

24.1117077,-0.163609,9.241081,3.041876,9.730229,71.782738,91.014290

24.1142197,-0.214158,9.315259,3.037090,9.800195,71.946739,91.316994

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24.1192360,-0.175573,9.265009,3.061018,9.759152,71.720291,91.085632

24.1217480,-0.199502,9.300901,3.046661,9.789214,71.866852,91.228790

24.1242619,-0.214158,9.296116,3.065804,9.790955,71.752274,91.319710

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24.1292896,-0.175573,9.322437,3.094518,9.824189,71.639809,91.078949

24.1318016,-0.158824,9.341579,3.101696,9.844331,71.634697,90.974037

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24.1418705,-0.202194,9.432507,3.099303,9.930697,71.814575,91.227997

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24.1494102,-0.099003,9.451650,3.094518,9.945829,71.872223,90.600136

24.1519260,-0.070289,9.439685,3.104089,9.937201,71.797852,90.426620

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24.1795712,0.051745,9.406186,3.056233,9.890378,72.000381,89.684814

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24.1846008,-0.010469,9.410972,3.005983,9.879395,72.285873,90.063736

24.1871147,-0.015254,9.418150,3.037090,9.895741,72.126961,90.092796

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24.2021961,-0.182752,9.274581,3.058625,9.767622,71.751488,91.128845

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24.2097378,-0.271585,9.228818,3.120839,9.745998,71.323921,91.685616

24.2122498,-0.264407,9.226425,3.120839,9.743534,71.319023,91.641510

24.2147655,-0.276371,9.212068,3.125625,9.731809,71.265930,91.718414

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24.2273350,-0.309871,9.109177,3.116053,9.632388,71.125427,91.948303

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24.2323627,-0.352941,9.133105,3.147160,9.666581,70.999817,92.213043

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24.2424183,-0.309871,9.233903,3.135196,9.756558,71.255875,91.922005

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24.4183826,-0.628415,9.394221,2.948556,9.866118,72.611053,93.827034

24.4208965,-0.738784,9.322437,2.936592,9.801898,72.566772,94.531105

24.4234104,-0.741177,9.327223,3.094518,9.855074,71.699394,94.543396

24.4259243,-0.628415,9.506984,3.204887,10.052311,71.408363,93.781769

24.4284382,-0.424726,9.499506,3.176173,10.025422,71.529770,92.560005

24.4309521,-0.317049,9.451650,3.063411,9.940759,72.051216,91.921227

24.4334660,-0.305085,9.477970,3.041876,9.958816,72.215027,91.843651

24.4359798,-0.266800,9.470792,2.967698,9.928460,72.607956,91.613640

24.4384937,-0.242871,9.437292,2.946163,9.889457,72.667915,91.474197

24.4410076,-0.240479,9.413364,2.919842,9.858739,72.772415,91.463387

24.4435215,-0.266800,9.355937,2.905485,9.800336,72.754417,91.633438

24.4460354,-0.281157,9.317652,2.893521,9.760642,72.755630,91.728355

24.4485493,-0.223729,9.216854,2.900699,9.665118,72.535164,91.390518

24.4510632,-0.216550,9.274581,2.965306,9.739496,72.274208,91.337547

24.4535789,-0.189930,9.224032,2.979662,9.695217,72.101410,91.179604

24.4560909,-0.218943,9.180962,2.967698,9.651177,72.091606,91.366104

24.4586067,-0.266800,9.087642,2.955734,9.559958,71.990265,91.681633

24.4611187,-0.352941,9.063713,2.982055,9.548200,71.801140,92.229973

24.4636345,-0.314656,9.042177,3.044269,9.546075,71.403427,91.993019

24.4661465,-0.302692,9.073284,3.063411,9.581263,71.353439,91.910728

24.4686604,-0.285942,9.061320,3.118446,9.587179,71.017914,91.807449

24.4711742,-0.221336,9.099606,3.144767,9.630232,70.940399,91.393372

24.4736881,-0.199502,9.113962,3.116053,9.633997,71.128700,91.253983

24.4762020,-0.177966,9.178569,3.084947,9.684766,71.425591,91.110786

24.4787178,-0.206979,9.288938,3.104089,9.796049,71.526169,91.276474

24.4812298,-0.177966,9.346365,3.072983,9.840195,71.802780,91.090851

24.4837456,-0.163609,9.320045,3.132803,9.833842,71.423309,91.005699

24.4862576,-0.144467,9.317652,3.099303,9.820651,71.603539,90.888275

24.4887733,-0.149252,9.296116,3.063411,9.789001,71.763245,90.919823

24.4912853,-0.206979,9.202497,3.068197,9.702712,71.565491,91.288460

24.4938011,-0.250050,9.204889,3.051447,9.700713,71.665802,91.556053

24.4963131,-0.283549,9.190533,3.053840,9.688767,71.627480,91.767151

24.4988270,-0.242871,9.164211,3.049054,9.661184,71.603058,91.518105

24.5013409,-0.228515,9.147462,3.051447,9.645704,71.557487,91.431023

24.5038548,-0.240479,9.085249,3.046661,9.585495,71.467606,91.516212

24.5063686,-0.230907,9.063713,3.034697,9.561047,71.494102,91.459351

24.5088825,-0.240479,9.049356,3.049054,9.552247,71.385597,91.522224

24.5113945,-0.230907,9.070891,3.037090,9.568610,71.494156,91.458199

24.5139103,-0.238086,9.133105,3.051447,9.632322,71.530945,91.493271

24.5164223,-0.264407,9.173783,3.008376,9.658082,71.851074,91.650925

24.5189381,-0.269193,9.228818,3.044269,9.721683,71.751305,91.670769

24.5214520,-0.281157,9.219247,3.029912,9.708447,71.814751,91.746788

24.5239658,-0.314656,9.265009,3.005983,9.745529,72.034309,91.945122

24.5264816,-0.319442,9.300901,3.029912,9.787194,71.966125,91.967064

24.5289936,-0.307478,9.346365,3.015555,9.825612,72.127037,91.884247

24.5315094,-0.336192,9.365508,3.025126,9.847697,72.109962,92.055855

24.5340214,-0.340977,9.387043,3.015555,9.865415,72.201561,92.080315

24.5365372,-0.350549,9.420543,3.013162,9.896902,72.274620,92.131058

24.5390491,-0.360120,9.456435,3.017948,9.932868,72.311943,92.180885

24.5415630,-0.362513,9.499506,2.989234,9.965318,72.544579,92.185417

24.5440769,-0.352941,9.518948,3.027519,9.995039,72.368004,92.123428

24.5465908,-0.352941,9.540483,2.967698,9.997630,72.732086,92.118637

24.5491047,-0.355334,9.533304,2.950948,9.985903,72.811790,92.134590

24.5516186,-0.348156,9.518948,2.943770,9.969823,72.826385,92.094658

24.5541325,-0.338584,9.509377,2.924628,9.954714,72.914810,92.039169

24.5566463,-0.345763,9.528519,2.938984,9.977468,72.868713,92.078186

24.5591621,-0.374477,9.554840,2.931806,10.001534,72.954224,92.244408

24.5616760,-0.357727,9.583553,2.934199,10.029058,72.988136,92.137695

24.5641899,-0.355334,9.569197,2.938984,10.016657,72.937798,92.126595

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24.5692177,-0.403191,9.521340,2.984448,9.986261,72.611130,92.424797

24.5717316,-0.381655,9.530911,2.950948,9.984590,72.809464,92.293121

24.5742455,-0.400798,9.485149,2.948556,9.940960,72.746086,92.419609

24.5767593,-0.431904,9.432507,2.998805,9.907146,72.380692,92.621681

24.5792694,-0.419940,9.384650,2.994019,9.859623,72.322151,92.562141

24.5817833,-0.376870,9.375079,2.962913,9.839359,72.474602,92.302002

24.5842972,-0.393619,9.394221,2.989234,9.866198,72.363487,92.399300

24.5868111,-0.388834,9.377472,2.984448,9.848609,72.360168,92.374390

24.5893250,-0.419940,9.300901,3.001198,9.782143,72.133286,92.585175

24.5918388,-0.424726,9.334401,3.017948,9.819340,72.100563,92.605225

24.5943527,-0.441476,9.322437,3.013162,9.807237,72.107101,92.711288

24.5968666,-0.415155,9.312865,3.051447,9.808830,71.874954,92.552475

24.5993805,-0.446261,9.365508,3.089732,9.872099,71.761314,92.728050

24.6018963,-0.503988,9.339187,3.092125,9.850668,71.705574,93.088966

24.6044083,-0.501595,9.336794,3.099303,9.850533,71.661331,93.075111

24.6069241,-0.532702,9.365508,3.125625,9.887671,71.571960,93.255424

24.6094379,-0.484846,9.389436,3.137589,9.911662,71.545273,92.955978

24.6119499,-0.480060,9.375079,3.144767,9.900107,71.479149,92.931328

24.6144657,-0.508774,9.396614,3.183352,9.934231,71.310303,93.099220

24.6169777,-0.518345,9.375079,3.202494,9.920523,71.166748,93.164642

24.6194916,-0.475274,9.430114,3.190530,9.966565,71.329620,92.885246

24.6220036,-0.467797,9.401401,3.219244,9.948301,71.119385,92.848587

24.6245193,-0.475274,9.365508,3.228815,9.917856,71.000755,92.905113

24.6270313,-0.480060,9.367901,3.226422,9.919568,71.018776,92.933571

24.6295471,-0.434297,9.367901,3.212065,9.912797,71.093048,92.654343

24.6320591,-0.403191,9.367901,3.219244,9.913812,71.051201,92.464462

24.6345749,-0.463011,9.358330,3.235994,9.912839,70.946877,92.832443

24.6370869,-0.398405,9.300901,3.252743,9.861330,70.740433,92.452774

24.6396065,-0.360120,9.308080,3.252743,9.866630,70.751183,92.215607

24.6421185,-0.350549,9.279366,3.298207,9.854323,70.445923,92.163445

24.6446342,-0.345763,9.279366,3.283850,9.849359,70.524269,92.133942

24.6471462,-0.321835,9.276974,3.283850,9.846293,70.517967,91.986893

24.6496620,-0.314656,9.257831,3.302993,9.834439,70.375168,91.946625

24.6521740,-0.300299,9.276974,3.324528,9.859255,70.293701,91.854042

24.6546898,-0.245264,9.260223,3.341278,9.847641,70.165932,91.517166

24.6572018,-0.216550,9.209675,3.322135,9.792935,70.169548,91.346970

24.6597157,-0.211765,9.212068,3.329314,9.797518,70.134583,91.316872

24.6622276,-0.182752,9.219247,3.334099,9.805311,70.121300,91.135620

24.6647434,-0.166002,9.204889,3.298207,9.779351,70.289833,91.033165

24.6672554,-0.151645,9.185747,3.286243,9.757066,70.317574,90.945793

24.6697712,-0.156431,9.190533,3.291028,9.763259,70.300751,90.975128

24.6722832,-0.156431,9.226425,3.298207,9.799467,70.331963,90.971336

24.6747990,-0.144467,9.233903,3.269493,9.796704,70.504433,90.896332

24.6773109,-0.158824,9.202497,3.245565,9.759347,70.575790,90.988754

24.6798286,-0.142074,9.214461,3.269493,9.778347,70.466347,90.883347

24.6823425,-0.211765,9.231211,3.276671,9.797789,70.462135,91.314140

24.6848564,-0.156431,9.228818,3.243172,9.783339,70.640182,90.971085

24.6873703,-0.144467,9.224032,3.247958,9.780229,70.604065,90.897293

24.6898842,-0.106182,9.257831,3.271886,9.819570,70.536850,90.657120

24.6923981,-0.134895,9.245867,3.250350,9.801481,70.632973,90.835876

24.6949120,-0.113360,9.257831,3.235994,9.807749,70.734711,90.701538

24.6974277,-0.075075,9.267402,3.255136,9.822743,70.646980,90.464142

24.6999378,-0.084646,9.308080,3.226422,9.851767,70.883087,90.521027

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24.7049656,-0.041575,9.300901,3.214458,9.840795,70.934662,90.256111

24.7074795,-0.034397,9.305687,3.190530,9.837503,71.075432,90.211784

24.7099934,-0.010469,9.310472,3.166602,9.834245,71.216232,90.064423

24.7125072,-0.020040,9.315259,3.190530,9.846519,71.093414,90.123260

24.7150211,0.018245,9.315259,3.185744,9.844966,71.119751,89.887779

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24.7200489,-0.010469,9.310472,3.135196,9.824177,71.389641,90.064423

24.7225647,0.003888,9.296116,3.154338,9.816702,71.257011,89.976036

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24.7275925,0.015852,9.288938,3.132803,9.803013,71.362747,89.902222

24.7301044,-0.003290,9.276974,3.123232,9.788607,71.393425,90.020317

24.7326202,0.001496,9.296116,3.139982,9.812098,71.336395,89.990784

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24.7376480,0.046959,9.288938,3.139982,9.805409,71.323196,89.710350

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24.7502193,-0.029611,9.315259,3.113661,9.821904,71.517685,90.182129

24.7527313,-0.010469,9.329616,3.101696,9.831701,71.610260,90.064293

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24.7703190,-0.043968,9.425328,3.166602,9.943144,71.429527,90.267273

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24.7879276,-0.046361,9.365508,3.135196,9.876454,71.491737,90.283623

24.7904415,-0.079860,9.339187,3.159423,9.859449,71.310089,90.489929

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24.7954712,-0.149252,9.327223,3.173780,9.853539,71.210304,90.916756

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24.8030090,-0.254836,9.269794,3.161816,9.797505,71.172714,91.574722

24.8055248,-0.269193,9.286545,3.137589,9.805960,71.339035,91.660393

24.8080368,-0.295514,9.291330,3.166602,9.820566,71.189095,91.821693

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24.8482590,-0.247657,9.279366,3.118446,9.792481,71.430595,91.528809

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24.8709126,-0.216550,9.279366,3.183352,9.812608,71.069901,91.336853

24.8734283,-0.223729,9.284152,3.178566,9.815743,71.105705,91.380440

24.8759403,-0.175573,9.265009,3.192923,9.801325,70.988106,91.085632

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24.8909798,-0.115753,9.317652,3.219244,9.858781,70.941360,90.711746

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24.9236813,0.020638,9.308080,3.324528,9.883990,70.345055,89.872963

24.9261971,0.008674,9.291330,3.283850,9.854570,70.534988,89.946510

24.9287090,-0.003290,9.305687,3.300600,9.873692,70.471100,90.020256

24.9312248,-0.003290,9.272188,3.346063,9.857465,70.156960,90.020332

24.9337387,-0.015254,9.241081,3.353242,9.830668,70.056091,90.094582

24.9362526,-0.024826,9.241081,3.358027,9.832321,70.029915,90.153923

24.9387665,-0.008076,9.248260,3.348456,9.835778,70.096542,90.050034

24.9412346,0.008674,9.224032,3.379563,9.823660,69.877846,89.946121

24.9437103,0.003888,9.253045,3.358027,9.843536,70.053635,89.975922

24.9462223,0.025424,9.161819,3.365206,9.760337,69.831406,89.841003

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24.9587803,0.063709,9.166604,3.281457,9.736460,70.304108,89.601791

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24.9638729,0.032602,9.157033,3.212065,9.704105,70.670479,89.796005

24.9664192,-0.024826,9.195318,3.188137,9.732354,70.877968,90.154686

24.9689350,-0.024826,9.195318,3.166602,9.725321,70.997841,90.154686

24.9714470,-0.032004,9.200104,3.149553,9.724331,71.102043,90.199310

24.9739628,-0.027218,9.241081,3.151946,9.763866,71.166611,90.168755

24.9764767,-0.067896,9.216854,3.139982,9.737273,71.187614,90.422066

24.9789906,-0.058325,9.202497,3.149553,9.726717,71.106850,90.363136

24.9814968,-0.041575,9.221640,3.139982,9.741655,71.196396,90.258316

24.9840126,-0.027218,9.197711,3.144767,9.720503,71.124130,90.169556

24.9865265,-0.041575,9.164211,3.183352,9.701455,70.844604,90.259933

24.9890404,-0.043968,9.190533,3.180959,9.725550,70.908821,90.274101

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25.0066338,0.027817,9.245867,3.084947,9.746985,71.548447,89.827621

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25.0141773,-0.015254,9.320045,3.022733,9.797978,72.030792,90.093781

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25.0192051,-0.046361,9.358330,3.025126,9.835237,72.086525,90.283836

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25.0267506,-0.079860,9.451650,3.001198,9.917018,72.384300,90.484100

25.0292625,-0.039182,9.422935,2.996412,9.887959,72.359924,90.238243

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25.0342903,-0.070289,9.480363,3.001198,9.944316,72.434235,90.424797

25.0368061,-0.087039,9.489935,3.013162,9.957188,72.385460,90.525482

25.0393200,-0.099003,9.504591,3.027519,9.975616,72.332542,90.596794

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25.0544014,-0.137288,9.468399,3.082554,9.958492,71.968475,90.830711

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25.0719986,-0.283549,9.274581,3.125625,9.791209,71.383781,91.751144

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25.0770264,-0.276371,9.253045,3.149553,9.778288,71.210236,91.710808

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25.0820541,-0.295514,9.178569,3.142374,9.706079,71.109940,91.844063

25.0845680,-0.276371,9.157033,3.157030,9.689916,70.985603,91.728737

25.0870819,-0.273978,9.142676,3.147160,9.673066,71.013046,91.716469

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25.0946255,-0.295514,9.145069,3.142374,9.674406,71.045746,91.850807

25.0971375,-0.297906,9.145069,3.116053,9.665962,71.193451,91.865784

25.0996532,-0.309871,9.097213,3.164209,9.636780,70.831520,91.950859

25.1021633,-0.297906,9.116355,3.135196,9.645005,71.030846,91.871658

25.1046753,-0.293121,9.168997,3.132803,9.693858,71.145020,91.831047

25.1071911,-0.302692,9.142676,3.166602,9.680264,70.905975,91.896233

25.1097031,-0.273978,9.149855,3.116053,9.669783,71.201164,91.715118

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