Keuwl Accelerometer Data File

2024-04-29 16:03:07

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

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0.0049372,-3.226721,9.460623,-0.797408,10.027511,94.561096,108.832893

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0.0098729,-3.310470,9.541979,-0.811765,10.132500,94.595177,109.133575

0.0123419,-3.339184,9.539586,-0.816551,10.140050,94.618874,109.291809

0.0148101,-3.346362,9.513265,-0.792623,10.115760,94.494026,109.379707

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0.0197458,-3.312863,9.429516,-0.739980,10.021896,94.234367,109.357857

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0.0246831,-3.224329,9.293125,-0.682553,9.860241,93.969345,109.134651

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1.9597790,-3.006582,9.230911,-0.591625,9.726216,93.487335,108.040840

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1.9696521,-2.930011,9.271589,-0.625125,9.743619,93.678474,107.537598

1.9721195,-2.913262,9.266804,-0.644267,9.735288,93.794525,107.451904

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1.9795250,-2.877369,9.312267,-0.670589,9.769711,93.935852,107.170464

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2.0362945,-2.927619,9.293125,-0.589233,9.761165,93.460762,107.486023

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2.0733173,-2.894119,9.293125,-0.692124,9.757927,94.067368,107.297935

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2.9347322,-2.968297,9.290732,-0.548555,9.768798,93.219063,107.718163

2.9372003,-2.989832,9.269197,-0.531805,9.753969,93.125427,107.877403

2.9396679,-2.963511,9.293125,-0.512662,9.767671,93.008583,107.687111

2.9421360,-2.977868,9.290732,-0.503091,9.769263,92.951889,107.771706

2.9446051,-2.982653,9.281160,-0.529412,9.763014,93.108459,107.815659

2.9470732,-2.977868,9.297911,-0.524626,9.777222,93.075859,107.758850

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2.9520092,-2.980261,9.273982,-0.536590,9.755851,93.152969,107.815178

2.9544780,-2.963511,9.288340,-0.536590,9.764403,93.150208,107.695656

2.9569464,-2.925226,9.278768,-0.527019,9.743214,93.100693,107.497986

2.9594138,-2.920440,9.297911,-0.510269,9.759123,92.997154,107.437317

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2.9717550,-2.870191,9.305089,-0.527019,9.751945,93.097916,107.142578

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2.9791594,-2.867798,9.309875,-0.541376,9.756594,93.180878,107.120834

2.9816277,-2.872584,9.329018,-0.538983,9.776135,93.160461,107.114601

2.9840970,-2.872584,9.307482,-0.562912,9.756938,93.307426,107.151886

2.9865651,-2.858227,9.281160,-0.565304,9.727742,93.331482,107.116745

2.9890325,-2.879762,9.283554,-0.524626,9.734097,93.089493,107.233910

2.9915006,-2.877369,9.278768,-0.538983,9.729609,93.175591,107.228798

2.9939699,-2.877369,9.269197,-0.522234,9.719567,93.079994,107.245529

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3.0137157,-2.903690,9.317053,-0.560519,9.775126,93.287216,107.309814

3.0161841,-2.930011,9.300303,-0.570090,9.767580,93.346001,107.486755

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3.0803573,-3.092723,9.336196,-0.656232,9.856984,93.817307,108.328049

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3.0926993,-2.980261,9.242876,-0.730409,9.738902,94.301170,107.871330

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3.0976350,-2.989832,9.190233,-0.622732,9.684383,93.686821,108.021111

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3.1025722,-3.032903,9.173484,-0.534198,9.676605,93.164627,108.294724

3.1050406,-3.047260,9.166306,-0.500698,9.672521,92.967239,108.388947

3.1075079,-3.083152,9.171091,-0.479163,9.687328,92.835167,108.581696

3.1099763,-3.097509,9.180662,-0.522234,9.703188,93.085197,108.644135

3.1124451,-3.123830,9.228518,-0.531805,9.757391,93.124329,108.700829

3.1149135,-3.090330,9.278768,-0.548555,9.795233,93.210373,108.420540

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3.1247864,-3.030510,9.343374,-0.627518,9.842582,93.655396,107.970398

3.1272538,-3.028117,9.338589,-0.615554,9.836546,93.587814,107.965729

3.1297221,-2.987439,9.312267,-0.589233,9.797464,93.447922,107.786598

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3.1420641,-2.937190,9.288340,-0.550947,9.757248,93.236954,107.548172

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3.2013016,-2.872584,9.295518,-0.603590,9.747959,93.550003,107.172661

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3.2111745,-2.889333,9.295518,-0.608375,9.753205,93.576256,107.266853

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3.4481254,-2.870191,9.262018,-0.747159,9.725287,94.406174,107.217598

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3.4530611,-2.867798,9.269197,-0.728016,9.729968,94.291000,107.191551

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3.9047492,-2.858227,9.269197,-0.735195,9.727691,94.334404,107.137543

3.9072165,-2.851048,9.259625,-0.751945,9.717745,94.437897,107.113655

3.9096849,-2.858227,9.259625,-0.763909,9.720786,94.507240,107.154213

3.9121540,-2.841477,9.259625,-0.768694,9.716251,94.537659,107.059540

3.9146221,-2.841477,9.266804,-0.783051,9.724238,94.618782,107.047096

3.9170897,-2.829513,9.295518,-0.785444,9.748319,94.621460,106.930008

3.9195578,-2.843870,9.302696,-0.797408,9.760307,94.686234,106.998589

3.9220269,-2.853441,9.314660,-0.792623,9.774113,94.651459,107.031853

3.9244950,-2.863012,9.317053,-0.771087,9.777469,94.523254,107.081528

3.9269626,-2.879762,9.326625,-0.785444,9.792645,94.600494,107.159004

3.9294310,-2.889333,9.297911,-0.795015,9.768902,94.668022,107.262672

3.9318998,-2.920440,9.319446,-0.785444,9.797854,94.598045,107.399452

3.9343681,-2.956332,9.319446,-0.787837,9.808805,94.606926,107.600166

3.9368355,-2.975475,9.309875,-0.749552,9.802503,94.385422,107.724098

3.9393039,-3.001796,9.300303,-0.768694,9.802924,94.497452,107.888168

3.9417727,-3.032903,9.293125,-0.747159,9.804026,94.370712,108.074600

3.9442410,-3.052045,9.283554,-0.713659,9.798401,94.176796,108.198708

3.9467084,-3.078366,9.266804,-0.694517,9.789399,94.068314,108.376122

3.9491768,-3.142972,9.259625,-0.684945,9.802453,94.006805,108.748634

3.9516459,-3.166901,9.252447,-0.622732,9.799226,93.643555,108.894897

3.9541140,-3.186043,9.233304,-0.625125,9.787520,93.661949,109.037506

3.9565814,-3.181258,9.228518,-0.620339,9.781143,93.636253,109.020111

3.9590497,-3.202793,9.230911,-0.610768,9.789824,93.576897,109.134926

3.9615188,-3.205186,9.233304,-0.591625,9.791687,93.463989,109.143585

3.9639869,-3.200400,9.223733,-0.591625,9.781096,93.467743,109.135468

3.9664545,-3.198007,9.223733,-0.596411,9.780603,93.496010,109.122200

3.9689226,-3.181258,9.223733,-0.591625,9.774849,93.469963,109.029274

3.9713917,-3.169294,9.233304,-0.594018,9.780143,93.482124,108.944572

3.9738598,-3.138187,9.247662,-0.586840,9.783243,93.438904,108.744606

3.9763274,-3.111866,9.240483,-0.613161,9.769657,93.598351,108.611694

3.9787958,-3.080759,9.266804,-0.634696,9.786090,93.718643,108.389442

3.9812646,-3.047260,9.276375,-0.613161,9.783297,93.593323,108.185188

3.9837329,-3.020939,9.271589,-0.639482,9.772276,93.752022,108.047035

3.9862001,-2.992225,9.295518,-0.670589,9.788245,93.928391,107.843353

3.9886684,-2.932404,9.314660,-0.665803,9.788012,93.900398,107.474838

3.9911375,-2.920440,9.321838,-0.689731,9.792924,94.038773,107.395256

3.9936059,-2.908476,9.324232,-0.706481,9.792837,94.137062,107.324089

3.9960730,-2.879762,9.314660,-0.718445,9.776098,94.214462,107.179749

3.9985414,-2.882155,9.314660,-0.763909,9.780249,94.479782,107.193184

4.0010104,-2.874976,9.336196,-0.768694,9.799027,94.499245,107.115623

4.0034785,-2.863012,9.331410,-0.768694,9.790962,94.502960,107.056778

4.0059462,-2.855834,9.326625,-0.775873,9.784871,94.547935,107.024704

4.0084143,-2.858227,9.326625,-0.780658,9.785950,94.575539,107.038147

4.0108833,-2.877369,9.343374,-0.797408,9.808861,94.662987,107.116646

4.0133514,-2.872584,9.350553,-0.780658,9.812950,94.562927,107.077484

4.0158191,-2.898905,9.340981,-0.804587,9.813508,94.702827,107.241341

4.0182872,-2.889333,9.326625,-0.778266,9.794890,94.557312,107.212669

4.0207562,-2.889333,9.324232,-0.766301,9.791668,94.488586,107.216827

4.0232244,-2.898905,9.329018,-0.732802,9.796490,94.289871,107.262138

4.0256920,-2.918047,9.312267,-0.725623,9.785696,94.252464,107.398651

4.0281606,-2.946761,9.317053,-0.672981,9.795090,93.939667,107.550919

4.0306292,-2.944368,9.290732,-0.684945,9.770167,94.020065,107.584167

4.0330977,-2.956332,9.276375,-0.637089,9.756890,93.743866,107.676811

4.0355649,-2.973082,9.264411,-0.637089,9.750610,93.746284,107.792175

4.0380335,-3.008975,9.262018,-0.608375,9.757511,93.574677,107.997551

4.0405021,-2.989832,9.259625,-0.601197,9.748907,93.535568,107.894699

4.0429707,-3.016153,9.240483,-0.605982,9.739143,93.567322,108.077011

4.0454378,-3.028117,9.262018,-0.584447,9.761970,93.432335,108.104599

4.0479064,-3.035295,9.240483,-0.608375,9.745238,93.579185,108.184212

4.0503755,-3.047260,9.240483,-0.589233,9.747795,93.465515,108.251144

4.0528436,-3.032903,9.247662,-0.608375,9.751301,93.576958,108.157646

4.0553107,-3.016153,9.273982,-0.617946,9.771683,93.625717,108.015945

4.0577793,-3.018546,9.283554,-0.613161,9.781205,93.594093,108.011925

4.0602484,-3.008975,9.281160,-0.637089,9.777513,93.735962,107.962822

4.0627165,-2.994617,9.293125,-0.641875,9.784780,93.761261,107.861023

4.0651841,-3.004189,9.314660,-0.663410,9.809595,93.877800,107.875687

4.0676517,-2.973082,9.317053,-0.634696,9.800487,93.713173,107.697945

4.0701213,-2.963511,9.285947,-0.646660,9.768796,93.795555,107.699928

4.0725894,-2.910869,9.288340,-0.656232,9.755873,93.856926,107.400444

4.0750566,-2.906083,9.324232,-0.668196,9.789439,93.913872,107.310692

4.0775251,-2.846262,9.297911,-0.684945,9.747897,94.029266,107.020317

4.0799942,-2.839084,9.288340,-0.696910,9.737522,94.104141,106.996353

4.0824623,-2.824727,9.290732,-0.718445,9.737195,94.231331,106.911217

4.0849295,-2.791228,9.283554,-0.747159,9.722837,94.407280,106.734123

4.0873981,-2.764907,9.262018,-0.761516,9.695854,94.504669,106.621468

4.0898671,-2.769692,9.266804,-0.778266,9.703120,94.600510,106.640526

4.0923352,-2.762514,9.285947,-0.780658,9.719553,94.606865,106.567429

4.0948024,-2.755335,9.281160,-0.797408,9.714302,94.708481,106.534782

4.0972710,-2.786442,9.297911,-0.792623,9.738770,94.668373,106.682671

4.0997400,-2.798406,9.326625,-0.790230,9.769415,94.639618,106.701607

4.1022081,-2.807977,9.309875,-0.773480,9.754833,94.547867,106.783981

4.1046753,-2.834298,9.352945,-0.747159,9.801483,94.371849,106.858803

4.1071439,-2.860620,9.362516,-0.780658,9.820860,94.559242,106.989990

4.1096129,-2.839084,9.381660,-0.809372,9.835193,94.720406,106.836899

4.1120811,-2.846262,9.381660,-0.802194,9.836679,94.677742,106.877052

4.1145487,-2.819942,9.374481,-0.773480,9.819942,94.517654,106.741837

4.1170168,-2.834298,9.362516,-0.766301,9.812094,94.479225,106.842545

4.1194859,-2.853441,9.343374,-0.766301,9.799387,94.485046,106.982529

4.1219540,-2.848655,9.319446,-0.747159,9.773697,94.384300,106.996712

4.1244216,-2.863012,9.305089,-0.763909,9.765504,94.486557,107.102211

4.1268897,-2.848655,9.297911,-0.739980,9.752618,94.351501,107.033798

4.1293588,-2.874976,9.271589,-0.728016,9.734365,94.289055,107.227852

4.1318269,-2.863012,9.259625,-0.725623,9.719260,94.281593,107.181252

4.1342945,-2.867798,9.281160,-0.694517,9.738920,94.089432,107.170692

4.1367626,-2.884548,9.278768,-0.689731,9.741246,94.060234,107.269226

4.1392317,-2.898905,9.293125,-0.684945,9.758841,94.024734,107.324829

4.1416998,-2.910869,9.278768,-0.684945,9.748734,94.028915,107.417313

4.1441674,-2.913262,9.309875,-0.696910,9.779904,94.086327,107.376030

4.1466355,-2.898905,9.312267,-0.732802,9.780540,94.296883,107.291344

4.1491046,-2.918047,9.305089,-0.716052,9.778160,94.199516,107.411263

4.1515727,-2.913262,9.326625,-0.735195,9.798650,94.302956,107.346703

4.1540403,-2.901298,9.317053,-0.723231,9.785094,94.238678,107.296402

4.1565084,-2.918047,9.302696,-0.747159,9.778211,94.382278,107.415474

4.1589775,-2.925226,9.302696,-0.737588,9.779629,94.325401,107.455711

4.1614456,-2.908476,9.317053,-0.713659,9.786522,94.181877,107.336639

4.1639132,-2.910869,9.293125,-0.725623,9.765340,94.261345,107.392029

4.1663814,-2.922833,9.295518,-0.706481,9.769786,94.146843,107.454956

4.1688504,-2.922833,9.295518,-0.694517,9.768929,94.076851,107.454956

4.1713185,-2.937190,9.295518,-0.682553,9.772390,94.005081,107.535446

4.1737862,-2.934797,9.271589,-0.668196,9.747917,93.930565,107.564484

4.1762547,-2.910869,9.273982,-0.627518,9.740313,93.693825,107.425758

4.1787233,-2.901298,9.257233,-0.610768,9.720438,93.602463,107.401443

4.1811919,-2.910869,9.252447,-0.589233,9.717414,93.476364,107.463852

4.1836591,-2.898905,9.221340,-0.582054,9.683777,93.445900,107.451538

4.1861277,-2.925226,9.221340,-0.577268,9.691403,93.414848,107.600250

4.1885967,-2.941975,9.214162,-0.589233,9.690366,93.486076,107.707680

4.1910648,-2.946761,9.223733,-0.594018,9.701212,93.510490,107.717430

4.1935320,-2.951547,9.235697,-0.627518,9.716146,93.703026,107.722855

4.1960006,-2.968297,9.254840,-0.632303,9.739746,93.722252,107.782555

4.1984696,-2.994617,9.257233,-0.646660,9.751014,93.802490,107.925850

4.2009377,-3.001796,9.278768,-0.651446,9.773980,93.821655,107.927032

4.2034054,-3.011367,9.305089,-0.672981,9.803363,93.936340,107.932922

4.2058735,-3.004189,9.307482,-0.680160,9.803927,93.978165,107.888596

4.2083426,-3.004189,9.319446,-0.684945,9.815619,94.001419,107.867088

4.2108107,-2.992225,9.309875,-0.692124,9.803377,94.048485,107.817581

4.2132783,-2.987439,9.321838,-0.694517,9.813451,94.058327,107.769485

4.2157464,-2.975475,9.338589,-0.716052,9.827280,94.178490,107.672997

4.2182155,-2.913262,9.340981,-0.723231,9.811426,94.227287,107.321632

4.2206836,-2.918047,9.357731,-0.720838,9.828618,94.205887,107.319191

4.2231512,-2.903690,9.326625,-0.720838,9.794742,94.220459,107.293114

4.2256193,-2.867798,9.329018,-0.720838,9.786442,94.224045,107.087753

4.2280884,-2.853441,9.319446,-0.720838,9.773116,94.229820,107.023613

4.2305565,-2.841477,9.302696,-0.716052,9.753301,94.210236,106.985115

4.2330236,-2.841477,9.288340,-0.699302,9.738391,94.117889,107.009850

4.2354922,-2.858227,9.288340,-0.699302,9.743292,94.115814,107.104286

4.2379613,-2.831906,9.269197,-0.687338,9.716488,94.056458,106.988853

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4.2428966,-2.855834,9.297911,-0.668196,9.749534,93.929916,107.074234

4.2453651,-2.841477,9.302696,-0.661017,9.749414,93.887680,106.985115

4.2478342,-2.860620,9.305089,-0.632303,9.755390,93.716278,107.088753

4.2503023,-2.848655,9.307482,-0.625125,9.753709,93.674660,107.017296

4.2527699,-2.879762,9.302696,-0.605982,9.757070,93.560760,107.200539

4.2552381,-2.886940,9.305089,-0.586840,9.760302,93.446999,107.236710

4.2577071,-2.930011,9.281160,-0.577268,9.749777,93.394379,107.520622

4.2601752,-2.920440,9.281160,-0.541376,9.744844,93.184715,107.466873

4.2626429,-2.913262,9.285947,-0.543769,9.747389,93.197968,107.418106

4.2651110,-2.920440,9.288340,-0.538983,9.751550,93.168442,107.454193

4.2675800,-2.922833,9.273982,-0.500698,9.736549,92.947716,107.493019

4.2700481,-2.918047,9.264411,-0.522234,9.727129,93.077599,107.483063

4.2725158,-2.944368,9.262018,-0.517448,9.732525,93.047676,107.635307

4.2749839,-2.944368,9.262018,-0.515055,9.732398,93.033607,107.635307

4.2774529,-2.953939,9.285947,-0.538983,9.759358,93.165901,107.646317

4.2799211,-2.956332,9.285947,-0.548555,9.760615,93.221764,107.659721

4.2823887,-2.920440,9.295518,-0.577268,9.760577,93.390617,107.441528

4.2848568,-2.937190,9.324232,-0.605982,9.794672,93.547073,107.484741

4.2873259,-2.930011,9.345767,-0.637089,9.815000,93.721672,107.406837

4.2897940,-2.918047,9.345767,-0.649053,9.812219,93.792740,107.340034

4.2922616,-2.886940,9.362516,-0.670589,9.820430,93.915489,107.137192

4.2947297,-2.851048,9.350553,-0.682553,9.799347,93.994049,106.956825

4.2971988,-2.843870,9.345767,-0.711267,9.794736,94.164330,106.924744

4.2996674,-2.807977,9.331410,-0.692124,9.769288,94.062630,106.747421

4.3021345,-2.784049,9.338589,-0.699302,9.769810,94.104622,106.600533

4.3046031,-2.776871,9.329018,-0.711267,9.759481,94.179398,106.576134

4.3070717,-2.764907,9.314660,-0.725623,9.743415,94.270958,106.532669

4.3095403,-2.729014,9.317053,-0.713659,9.734695,94.204178,106.325584

4.3120074,-2.738585,9.302696,-0.723231,9.724354,94.265205,106.403702

4.3144760,-2.688336,9.297911,-0.744766,9.707367,94.400154,106.126343

4.3169446,-2.700300,9.290732,-0.754337,9.704554,94.458115,106.206215

4.3194132,-2.688336,9.319446,-0.751945,9.728548,94.432961,106.091011

4.3218803,-2.662015,9.312267,-0.759123,9.714984,94.481628,105.953171

4.3243489,-2.726621,9.321838,-0.792623,9.744710,94.665520,106.304108

4.3268175,-2.721836,9.317053,-0.780658,9.737828,94.598198,106.284927

4.3292861,-2.764907,9.319446,-0.756730,9.750355,94.451233,106.524643

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4.3342218,-2.824727,9.336196,-0.785444,9.785732,94.603752,106.833534

4.3366904,-2.848655,9.350553,-0.771087,9.805215,94.510429,106.943413

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4.3416262,-2.918047,9.348160,-0.790230,9.824844,94.613388,107.335861

4.3440948,-2.934797,9.364909,-0.806979,9.847120,94.700706,107.400070

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4.3490319,-3.006582,9.338589,-0.790230,9.842421,94.605125,107.846092

4.3514991,-3.040081,9.324232,-0.747159,9.835733,94.356598,108.058090

4.3539677,-3.054438,9.317053,-0.708874,9.830543,94.135147,108.150856

4.3564367,-3.073581,9.288340,-0.706481,9.809142,94.130173,108.309761

4.3589048,-3.095116,9.300303,-0.680160,9.825376,93.969467,108.407303

4.3613720,-3.087938,9.297911,-0.649053,9.818746,93.790215,108.371887

4.3638406,-3.087938,9.276375,-0.658624,9.798993,93.853951,108.411667

4.3663096,-3.085545,9.247662,-0.629911,9.769167,93.696968,108.451622

4.3687778,-3.049653,9.266804,-0.653839,9.777603,93.834290,108.216080

4.3712449,-3.032903,9.238090,-0.625125,9.743284,93.678596,108.175224

4.3737135,-3.025724,9.238090,-0.661017,9.743421,93.890076,108.135017

4.3761826,-3.008975,9.240483,-0.661017,9.740503,93.891243,108.036781

4.3786507,-2.985046,9.266804,-0.675374,9.759112,93.968292,107.854919

4.3811183,-2.968297,9.262018,-0.684945,9.750124,94.028343,107.769646

4.3835864,-2.970689,9.290732,-0.704088,9.779491,94.128662,107.731552

4.3860555,-2.932404,9.293125,-0.725623,9.771780,94.258537,107.512856

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4.3909912,-2.922833,9.326625,-0.754337,9.802954,94.413277,107.400253

4.3934598,-2.898905,9.362516,-0.768694,9.831137,94.484520,107.204033

4.3959284,-2.891726,9.384052,-0.768694,9.849539,94.476128,107.126854

4.3983970,-2.858227,9.386445,-0.778266,9.842790,94.535088,106.935791

4.4008641,-2.843870,9.376874,-0.787837,9.830262,94.596848,106.871788

4.4033327,-2.824727,9.396016,-0.814158,9.845154,94.743568,106.732368

4.4058013,-2.793620,9.364909,-0.809372,9.806168,94.734413,106.610222

4.4082699,-2.800799,9.372088,-0.795015,9.813897,94.646576,106.638496

4.4107370,-2.786442,9.374481,-0.830908,9.815068,94.856262,106.553894

4.4132051,-2.752943,9.372088,-0.809372,9.801521,94.736664,106.369537

4.4156742,-2.738585,9.348160,-0.785444,9.772658,94.609924,106.328186

4.4181428,-2.752943,9.331410,-0.766301,9.759156,94.503571,106.437057

4.4206100,-2.772085,9.317053,-0.759123,9.750292,94.465363,106.569221

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4.4255471,-2.748157,9.314660,-0.732802,9.739212,94.315155,106.437935

4.4280157,-2.774478,9.293125,-0.708874,9.724320,94.180397,106.623085

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4.4428239,-2.827120,9.293125,-0.637089,9.734509,93.752487,106.920616

4.4452929,-2.812763,9.314660,-0.615554,9.749536,93.619873,106.802826

4.4477611,-2.829513,9.300303,-0.620339,9.740975,93.651268,106.921791

4.4502287,-2.827120,9.295518,-0.601197,9.734510,93.540802,106.916512

4.4526968,-2.781656,9.302696,-0.610768,9.728865,93.599335,106.647514

4.4551659,-2.798406,9.321838,-0.627518,9.753026,93.689003,106.709702

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4.4773798,-2.676372,9.381660,-0.711267,9.781840,94.169823,105.922234

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4.5267448,-2.846262,9.391231,-0.735195,9.840576,94.284592,106.860832

4.5292125,-2.884548,9.374481,-0.735195,9.835752,94.286697,107.103241

4.5316806,-2.882155,9.357731,-0.749552,9.820171,94.377518,107.118683

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4.5366178,-2.891726,9.319446,-0.728016,9.784894,94.266869,107.238571

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4.5711722,-2.800799,9.329018,-0.725623,9.767373,94.260460,106.711037

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4.8846388,-2.944368,9.295518,-0.768694,9.780943,94.507584,107.575668

4.8871069,-2.937190,9.295518,-0.749552,9.777299,94.396751,107.535446

4.8895760,-2.915654,9.312267,-0.735195,9.785697,94.308662,107.385246

4.8920441,-2.906083,9.321838,-0.751945,9.793233,94.403625,107.314865

4.8945117,-2.882155,9.336196,-0.759123,9.800390,94.442490,107.155853

4.8969798,-2.839084,9.333803,-0.778266,9.787031,94.560982,106.918304

4.8994489,-2.836691,9.340981,-0.771087,9.792616,94.516243,106.892609

4.9019170,-2.827120,9.345767,-0.771087,9.794414,94.515411,106.830711

4.9043841,-2.793620,9.360124,-0.797408,9.800616,94.666916,106.618248

4.9068527,-2.781656,9.350553,-0.814158,9.789448,94.770622,106.566994

4.9093218,-2.762514,9.340981,-0.806979,9.774284,94.735817,106.475121

4.9117899,-2.738585,9.350553,-0.830908,9.778706,94.874367,106.324226

4.9142570,-2.731407,9.343374,-0.826122,9.769427,94.850838,106.295555

4.9167256,-2.693122,9.357731,-0.823729,9.772336,94.835312,106.055634

4.9191947,-2.685943,9.343374,-0.840479,9.758040,94.941116,106.038376

4.9216628,-2.671587,9.364909,-0.816551,9.772699,94.792892,105.922195

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4.9265985,-2.693122,9.362516,-0.833300,9.777730,94.888924,106.047844

4.9290676,-2.688336,9.362516,-0.845265,9.777440,94.959442,106.020798

4.9315357,-2.695515,9.338589,-0.821336,9.754467,94.830086,106.100395

4.9340029,-2.693122,9.350553,-0.826122,9.765665,94.852707,106.067322

4.9364715,-2.693122,9.350553,-0.818944,9.765060,94.810745,106.067322

4.9389400,-2.707479,9.355338,-0.854836,9.776684,95.016129,106.140694

4.9414086,-2.707479,9.352945,-0.826122,9.771925,94.849594,106.144608

4.9438758,-2.709872,9.338589,-0.838086,9.759869,94.926094,106.181671

4.9463444,-2.717050,9.314660,-0.821336,9.737548,94.838493,106.261757

4.9488139,-2.748157,9.336196,-0.811765,9.766058,94.767990,106.402061

4.9512815,-2.717050,9.331410,-0.790230,9.751002,94.648399,106.234108

4.9537487,-2.738585,9.288340,-0.768694,9.714113,94.538658,106.427689

4.9562173,-2.719443,9.319446,-0.744766,9.736638,94.386902,106.267410

4.9586864,-2.712265,9.319446,-0.751945,9.735187,94.429932,106.226730

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4.9636216,-2.712265,9.336196,-0.723231,9.749051,94.254379,106.199142

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4.9685593,-2.714657,9.326625,-0.708874,9.739496,94.173874,106.228447

4.9710274,-2.700300,9.343374,-0.732802,9.753321,94.308899,106.119659

4.9734950,-2.690729,9.350553,-0.725623,9.757017,94.264992,106.053780

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4.9809003,-2.729014,9.364909,-0.708874,9.780161,94.156487,106.246574

4.9833679,-2.717050,9.357731,-0.730409,9.771540,94.286781,106.190842

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5.0327325,-2.824727,9.307482,-0.869193,9.765439,95.106483,106.882515

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5.3782859,-2.714657,9.384052,-0.704088,9.794159,94.122467,106.134315

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5.3832231,-2.707479,9.386445,-0.689731,9.793443,94.038559,106.089973

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5.4103727,-2.709872,9.331410,-0.608375,9.735951,93.582603,106.193466

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5.4153104,-2.688336,9.331410,-0.586840,9.728656,93.458221,106.071449

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5.5091023,-3.008975,9.333803,-0.610768,9.825826,93.563774,107.867966

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6.3483028,-2.762514,9.362516,-0.696910,9.786413,94.083603,106.439278

6.3507719,-2.767299,9.362516,-0.658624,9.785113,93.859428,106.466217

6.3532405,-2.767299,9.355338,-0.653839,9.777925,93.834167,106.478165

6.3557076,-2.788835,9.367303,-0.677767,9.797109,93.966911,106.579330

6.3581762,-2.817549,9.374481,-0.668196,9.811522,93.905045,106.728424

6.3606448,-2.800799,9.357731,-0.653839,9.789744,93.829529,106.662613

6.3631129,-2.798406,9.326625,-0.653839,9.759330,93.841484,106.701607

6.3655806,-2.798406,9.336196,-0.653839,9.768476,93.837883,106.685432

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6.3754535,-2.824727,9.319446,-0.615554,9.757564,93.616890,106.862076

6.3779221,-2.846262,9.329018,-0.615554,9.772957,93.611191,106.966827

6.3803906,-2.822334,9.312267,-0.605982,9.749415,93.563560,106.860847

6.3828592,-2.822334,9.326625,-0.603590,9.762982,93.544533,106.836365

6.3853264,-2.843870,9.312267,-0.601197,9.755376,93.533218,106.982124

6.3877950,-2.831906,9.302696,-0.594018,9.742315,93.495667,106.931175

6.3902636,-2.827120,9.290732,-0.574876,9.728351,93.387741,106.924721

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6.3951993,-2.860620,9.314660,-0.589233,9.761826,93.460526,107.072212

6.3976679,-2.839084,9.307482,-0.582054,9.748251,93.423088,106.963409

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6.4050722,-2.851048,9.324232,-0.634696,9.771009,93.724388,107.001938

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6.8592281,-2.841477,9.307482,-0.735195,9.759289,94.320343,106.976883

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6.8641653,-2.858227,9.300303,-0.711267,9.755563,94.181076,107.083565

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7.0171947,-2.817549,9.348160,-0.739980,9.791539,94.334175,106.772881

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7.3257246,-2.673979,9.317053,-0.653839,9.715201,93.858955,106.013397

7.3281937,-2.697907,9.329018,-0.634696,9.732015,93.739334,106.129616

7.3306618,-2.712265,9.317053,-0.646660,9.725328,93.812546,106.230675

7.3331289,-2.738585,9.314660,-0.646660,9.730412,93.810555,106.383766

7.3355975,-2.740978,9.331410,-0.663410,9.748245,93.902237,106.369453

7.3380666,-2.786442,9.352945,-0.677767,9.782700,93.972763,106.589920

7.3405347,-2.800799,9.343374,-0.687338,9.778320,94.030762,106.686790

7.3430023,-2.810370,9.364909,-0.682553,9.801305,93.993248,106.704285

7.3454704,-2.841477,9.338589,-0.689731,9.785650,94.041786,106.923569

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7.3504081,-2.855834,9.338589,-0.658624,9.787686,93.858414,107.004158

7.3528752,-2.858227,9.343374,-0.634696,9.791370,93.716629,107.009369

7.3553438,-2.872584,9.329018,-0.620339,9.780957,93.636322,107.114601

7.3578124,-2.834298,9.338589,-0.639482,9.780154,93.749001,106.883247

7.3602810,-2.889333,9.321838,-0.627518,9.779504,93.679001,107.220985

7.3627481,-2.889333,9.305089,-0.601197,9.761883,93.530861,107.250145

7.3652167,-2.874976,9.329018,-0.632303,9.782427,93.705994,107.128029

7.3676853,-2.896512,9.324232,-0.656232,9.785792,93.845116,107.257065

7.3701539,-2.898905,9.295518,-0.644267,9.758349,93.785545,107.320633

7.3726211,-2.891726,9.319446,-0.668196,9.780625,93.917404,107.238571

7.3750896,-2.894119,9.302696,-0.677767,9.766035,93.979553,107.281197

7.3775582,-2.882155,9.307482,-0.706481,9.769092,94.147133,107.205666

7.3800268,-2.898905,9.321838,-0.720838,9.788765,94.223045,107.274643

7.3824940,-2.872584,9.345767,-0.728016,9.804341,94.258385,107.085716

7.3849626,-2.860620,9.367303,-0.732802,9.821736,94.278824,106.981804

7.3874311,-2.872584,9.348160,-0.732802,9.806978,94.285278,107.081604

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7.4047079,-2.707479,9.348160,-0.795015,9.764763,94.670006,106.152443

7.4071770,-2.671587,9.355338,-0.811765,9.763129,94.769417,105.937653

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7.4121127,-2.633301,9.329018,-0.816551,9.727878,94.815033,105.762779

7.4145808,-2.623730,9.333803,-0.826122,9.730689,94.870193,105.700661

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7.4293914,-2.635694,9.376874,-0.821336,9.774827,94.820000,105.699852

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7.4367962,-2.676372,9.372088,-0.795015,9.779114,94.663139,105.937668

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7.4590101,-2.709872,9.331410,-0.704088,9.742400,94.144409,106.193466

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7.5207152,-2.934797,9.288340,-0.809372,9.774527,94.749771,107.534752

7.5231833,-2.965904,9.312267,-0.802194,9.806040,94.692390,107.666382

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7.8144360,-2.805584,9.319446,-0.766301,9.762714,94.501930,106.754227

7.8169036,-2.819942,9.336196,-0.728016,9.779910,94.269043,106.806625

7.8193717,-2.819942,9.319446,-0.742373,9.765001,94.360054,106.835121

7.8218412,-2.798406,9.297911,-0.737588,9.737878,94.343979,106.750298

7.8243089,-2.812763,9.302696,-0.704088,9.744102,94.143684,106.823212

7.8267770,-2.819942,9.314660,-0.735195,9.759892,94.320076,106.843285

7.8292446,-2.846262,9.321838,-0.747159,9.775281,94.383591,106.979149

7.8317142,-2.846262,9.326625,-0.763909,9.781140,94.479370,106.970932

7.8341823,-2.824727,9.343374,-0.761516,9.790690,94.460945,106.821335

7.8366499,-2.860620,9.357731,-0.785444,9.816679,94.589211,106.998177

7.8391180,-2.867798,9.348160,-0.818944,9.812391,94.787483,107.054794

7.8415871,-2.860620,9.367303,-0.802194,9.827157,94.682281,106.981804

7.8440547,-2.872584,9.360124,-0.806979,9.824198,94.711700,107.061035

7.8465228,-2.872584,9.386445,-0.809372,9.849476,94.713547,107.015961

7.8489909,-2.872584,9.355338,-0.809372,9.819836,94.727806,107.069252

7.8514600,-2.884548,9.360124,-0.823729,9.829093,94.807320,107.127945

7.8539281,-2.846262,9.357731,-0.802194,9.813860,94.688637,106.917747

7.8563957,-2.841477,9.329018,-0.806979,9.785488,94.730377,106.939941

7.8588638,-2.843870,9.338589,-0.783051,9.793365,94.586113,106.937004

7.8613329,-2.810370,9.297911,-0.802194,9.746427,94.721153,106.817871

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7.8712058,-2.733800,9.307482,-0.818944,9.735171,94.825546,106.368607

7.8736739,-2.712265,9.324232,-0.814158,9.744769,94.792549,106.218842

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7.8835468,-2.645265,9.350553,-0.818944,9.751970,94.817215,105.796173

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7.8909516,-2.647658,9.355338,-0.809372,9.756410,94.758614,105.802071

7.8934197,-2.666801,9.374481,-0.771087,9.776875,94.523529,105.879700

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7.8983555,-2.657230,9.369696,-0.797408,9.771792,94.680717,105.833244

7.9008245,-2.676372,9.379267,-0.790230,9.785605,94.631927,105.926086

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7.9304438,-2.695515,9.307482,-0.838086,9.726120,94.943230,106.151405

7.9329114,-2.733800,9.345767,-0.816551,9.771580,94.793442,106.305122

7.9353790,-2.755335,9.355338,-0.821336,9.787176,94.813904,106.410759

7.9378471,-2.764907,9.367303,-0.821336,9.801309,94.806946,106.444794

7.9403167,-2.767299,9.355338,-0.821336,9.790551,94.812241,106.478165

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7.9501891,-2.803192,9.331410,-0.763909,9.773263,94.482986,106.720467

7.9526577,-2.805584,9.321838,-0.751945,9.763883,94.416885,106.750168

7.9551249,-2.779263,9.331410,-0.732802,9.764042,94.304161,106.585617

7.9575934,-2.786442,9.336196,-0.716052,9.769419,94.203278,106.618042

7.9600620,-2.755335,9.333803,-0.713659,9.758128,94.194061,106.446579

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7.9724035,-2.779263,9.326625,-0.723231,9.758755,94.250145,106.593658

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7.9847436,-2.803192,9.295518,-0.773480,9.739755,94.554924,106.781410

7.9872122,-2.796013,9.293125,-0.780658,9.735979,94.599075,106.744911

7.9896808,-2.793620,9.288340,-0.787837,9.731303,94.643692,106.739517

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7.9946165,-2.748157,9.307482,-0.790230,9.736840,94.655174,106.449928

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8.0020218,-2.714657,9.317053,-0.818944,9.738968,94.823662,106.244240

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8.0291729,-2.721836,9.348160,-0.929013,9.780570,95.450493,106.233589

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8.0686646,-3.001796,9.228518,-0.859622,9.742448,95.062057,108.018356

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10.2703314,-2.633301,9.364909,-0.761516,9.757854,94.475990,105.705353

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10.2876081,-2.673979,9.336196,-0.768694,9.741951,94.525658,105.982239

10.2900772,-2.652444,9.355338,-0.775873,9.754989,94.561897,105.829201

10.2925463,-2.673979,9.374481,-0.737588,9.776252,94.326897,105.920280

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10.3665924,-2.822334,9.319446,-0.771087,9.767918,94.527687,106.848602

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10.4307671,-2.752943,9.348160,-0.651446,9.766840,93.824455,106.409187

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10.4579182,-2.676372,9.396016,-0.629911,9.790039,93.689072,105.899132

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10.7911291,-2.702693,9.319446,-0.682553,9.727409,94.023636,106.172462

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11.2378807,-2.721836,9.352945,-0.723231,9.767756,94.246216,106.225723

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11.2428160,-2.733800,9.336196,-0.713659,9.754359,94.195686,106.320946

11.2452850,-2.736193,9.376874,-0.754337,9.797017,94.415955,106.267365

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11.2502222,-2.748157,9.362516,-0.756730,9.786814,94.434616,106.358421

11.2526894,-2.755335,9.350553,-0.747159,9.776653,94.382973,106.418709

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11.2650309,-2.774478,9.367303,-0.742373,9.797714,94.345467,106.498627

11.2674999,-2.750550,9.360124,-0.756730,9.785197,94.435349,106.375862

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11.2749033,-2.769692,9.350553,-0.761516,9.781816,94.465004,106.499619

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11.2971182,-2.786442,9.319446,-0.730409,9.754478,94.294289,106.646255

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11.3119268,-2.798406,9.319446,-0.694517,9.755280,94.082565,106.713753

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21.0367813,-5.621937,7.577471,-0.383450,9.443054,92.327225,126.572746

21.0392494,-5.638687,7.555936,-0.369093,9.435210,92.241905,126.732475

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21.0441856,-5.705686,7.508079,-0.340379,9.436205,92.067200,127.232635

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21.0491219,-5.827720,7.481758,-0.297308,9.488278,91.795616,127.915878

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21.0663986,-6.212964,7.510472,-0.156132,9.748461,90.917694,129.598923

21.0688686,-6.267999,7.539186,-0.165703,9.805845,90.968254,129.739777

21.0713367,-6.306284,7.553543,-0.144168,9.841038,90.839394,129.857742

21.0738049,-6.380462,7.575078,-0.151346,9.905302,90.875473,130.107315

21.0762730,-6.421140,7.594221,-0.156132,9.946236,90.899445,130.215515

21.0787411,-6.459424,7.587042,-0.146560,9.965383,90.842674,130.410278

21.0812111,-6.492924,7.603792,-0.168096,10.000199,90.963142,130.494217

21.0836773,-6.526424,7.608578,-0.158524,10.025457,90.906013,130.622070

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21.1453838,-5.928218,7.666006,-0.299701,9.695423,91.771385,127.715233

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21.1552563,-5.717650,7.685148,-0.376271,9.586167,92.249519,126.648766

21.1577263,-5.653043,7.689934,-0.404985,9.552800,92.429749,126.320442

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21.1750031,-5.519045,7.728219,-0.483948,9.508913,92.917282,125.532219

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21.1824074,-5.538188,7.809575,-0.515055,9.587819,93.079399,125.342499

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21.1996841,-5.741578,7.893324,-0.493520,9.773118,92.894531,126.032021

21.2021523,-5.765506,7.869395,-0.486341,9.767547,92.854027,126.228340

21.2046204,-5.813363,7.886145,-0.467199,9.808402,92.730171,126.396210

21.2070904,-5.822934,7.886145,-0.479163,9.814654,92.798355,126.441238

21.2095585,-5.851648,7.878967,-0.455234,9.824822,92.655762,126.600983

21.2120266,-5.854041,7.855039,-0.424128,9.805677,92.479004,126.695663

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21.2218990,-5.956932,7.744969,-0.395414,9.778852,92.317421,127.565170

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21.3132248,-6.100502,7.680363,-0.256630,9.811725,91.498772,128.460068

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21.5254936,-6.134001,7.733005,-0.213559,9.872737,91.239471,128.422272

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21.5328960,-6.177072,7.716255,-0.227916,9.886797,91.320930,128.678223

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21.5378342,-6.167500,7.701898,-0.239880,9.869896,91.392670,128.686935

21.5403023,-6.136394,7.694719,-0.242273,9.844934,91.410133,128.571701

21.5427704,-6.100502,7.697112,-0.244666,9.824536,91.427017,128.399292

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21.5575790,-5.976075,7.656434,-0.275773,9.716507,91.626381,127.973099

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21.5649853,-5.923432,7.666006,-0.309272,9.692799,91.828468,127.692841

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21.5723877,-5.894719,7.656434,-0.383450,9.670353,92.272491,127.592812

21.5748577,-5.909076,7.656434,-0.419342,9.680600,92.482704,127.660210

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21.6316261,-6.196214,7.596614,-0.474377,9.814614,92.770401,129.202576

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21.6365643,-6.179464,7.589435,-0.479163,9.798719,92.802910,129.153152

21.6390305,-6.148358,7.582257,-0.476770,9.773445,92.796120,129.038162

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21.6464367,-6.134001,7.515258,-0.462413,9.711791,92.729088,129.221542

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21.6637154,-6.129215,7.402795,-0.457627,9.621750,92.726120,129.623383

21.6661835,-6.112465,7.400402,-0.469591,9.609823,92.800919,129.555481

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22.0388851,-5.648258,7.807182,-0.328415,9.641720,91.951981,125.884590

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22.0487595,-5.720043,7.783254,-0.381057,9.666598,92.259186,126.312782

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22.0536957,-5.755935,7.766504,-0.369093,9.673965,92.186546,126.542992

22.0561619,-5.770292,7.752147,-0.383450,9.671561,92.272209,126.662064

22.0586319,-5.796613,7.737790,-0.402592,9.676579,92.384468,126.837990

22.0611000,-5.799006,7.725826,-0.409771,9.668753,92.428978,126.891891

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22.0685062,-5.851648,7.704291,-0.448056,9.684970,92.651619,127.217796

22.0709743,-5.885147,7.699505,-0.448056,9.701447,92.647118,127.392632

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22.0833130,-5.968896,7.668398,-0.541376,9.732684,93.188698,127.896332

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22.1746387,-5.935397,7.668398,-0.244666,9.700161,91.445320,127.740135

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22.5053825,-6.138786,7.649256,-0.335593,9.813686,91.959694,128.748215

22.5078506,-6.138786,7.632506,-0.335593,9.800636,91.962303,128.809540

22.5103188,-6.129215,7.639685,-0.318844,9.799680,91.864510,128.739594

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22.5152569,-6.134001,7.644470,-0.316451,9.806326,91.849258,128.743912

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22.5201931,-6.134001,7.625328,-0.314058,9.791334,91.838081,128.814056

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22.5251293,-6.136394,7.630113,-0.290130,9.795822,91.697220,128.807419

22.5275955,-6.114858,7.613363,-0.302094,9.769650,91.771965,128.770538

22.5300655,-6.112465,7.601399,-0.285344,9.758327,91.675629,128.803589

22.5325336,-6.110073,7.615756,-0.292523,9.768229,91.716057,128.739853

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22.5374699,-6.119644,7.632506,-0.273380,9.786722,91.600693,128.722183

22.5399380,-6.105287,7.627720,-0.259023,9.773624,91.518646,128.674057

22.5424080,-6.105287,7.666006,-0.263809,9.803661,91.541969,128.534180

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22.5473423,-6.074180,7.682755,-0.251845,9.797133,91.473007,128.330780

22.5498104,-6.069395,7.692327,-0.251845,9.801677,91.472321,128.274124

22.5522804,-6.086144,7.704291,-0.249452,9.821379,91.455406,128.307617

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22.5572166,-6.004788,7.670791,-0.259023,9.745030,91.523102,128.054276

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22.5794296,-5.832505,7.666006,-0.220738,9.635065,91.312752,127.264862

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22.5843658,-5.854041,7.675577,-0.270987,9.657002,91.608002,127.332191

22.5868340,-5.813363,7.692327,-0.275773,9.645886,91.638290,127.079628

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22.5967083,-5.825327,7.697112,-0.275773,9.656916,91.636421,127.119156

22.5991764,-5.813363,7.663613,-0.314058,9.624177,91.870018,127.182747

22.6016445,-5.794220,7.680363,-0.311665,9.625908,91.855431,127.031631

22.6041126,-5.801398,7.677969,-0.299701,9.627941,91.783806,127.074333

22.6065807,-5.825327,7.689934,-0.318844,9.652522,91.892944,127.144882

22.6090488,-5.822934,7.670791,-0.304487,9.635367,91.810905,127.202301

22.6115170,-5.813363,7.668398,-0.323629,9.628304,91.926201,127.165527

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22.6263256,-5.928218,7.682755,-0.342772,9.710097,92.022995,127.654732

22.6287937,-5.961718,7.656434,-0.376271,9.711058,92.220581,127.906273

22.6312637,-5.980860,7.656434,-0.381057,9.723008,92.246071,127.995346

22.6337318,-6.004788,7.668398,-0.385843,9.747343,92.268608,128.062943

22.6362000,-6.019145,7.661220,-0.381057,9.750364,92.239761,128.155457

22.6386681,-6.033502,7.651649,-0.371486,9.751352,92.183258,128.256592

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22.6460724,-6.059824,7.625328,-0.388235,9.747707,92.282600,128.474060

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22.6806278,-6.057431,7.634899,-0.424128,9.755205,92.491837,128.428040

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22.6855640,-6.011967,7.606185,-0.428913,9.704729,92.533089,128.323029

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22.6954384,-5.990431,7.599007,-0.426521,9.685664,92.523911,128.249344

22.6979046,-5.985646,7.606185,-0.402592,9.687316,92.381828,128.200790

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22.7744217,-5.906682,7.728219,-0.273380,9.730827,91.609894,127.390701

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22.9743481,-6.272785,7.572685,0.092722,9.833717,89.459755,129.636429

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22.9891586,-6.284749,7.740183,0.102293,9.970905,89.412186,129.075348

22.9916248,-6.256035,7.733005,0.147757,9.947823,89.148941,128.973007

22.9940929,-6.234499,7.735397,0.126221,9.935859,89.272118,128.867783

22.9965630,-6.181857,7.752147,0.126221,9.916000,89.270660,128.570190

22.9990311,-6.129215,7.752147,0.119043,9.883180,89.309853,128.331573

23.0014992,-6.043074,7.735397,0.109472,9.816674,89.361046,127.997787

23.0039673,-6.009574,7.747362,0.092722,9.805366,89.458191,127.800484

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23.0089054,-5.887540,7.730612,0.061615,9.717473,89.636703,127.292458

23.0113697,-5.834898,7.721040,0.056830,9.678002,89.663559,127.078850

23.0138397,-5.822934,7.718647,0.001795,9.668716,89.989365,127.030838

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23.0187759,-5.727221,7.718647,-0.026919,9.611415,90.160469,126.575340

23.0212440,-5.724828,7.723433,-0.050847,9.613931,90.303032,126.546890

23.0237122,-5.665008,7.725826,-0.072383,9.580498,90.432884,126.250954

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23.0335846,-5.696115,7.735397,-0.072383,9.606629,90.431709,126.366814

23.0360546,-5.727221,7.716255,-0.067597,9.609694,90.403038,126.583847

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23.0409908,-5.760721,7.749754,-0.079561,9.656652,90.472069,126.624985

23.0434589,-5.813363,7.778468,-0.093918,9.711260,90.554123,126.773186

23.0459290,-5.851648,7.752147,-0.101097,9.713279,90.596352,127.047043

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23.0508633,-5.877969,7.742576,-0.158524,9.722301,90.934265,127.204857

23.0533314,-5.892326,7.694719,-0.208774,9.693905,91.234055,127.443527

23.0557995,-5.897111,7.701898,-0.254237,9.703597,91.501343,127.440193

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23.0632057,-5.933004,7.639685,-0.385843,9.680609,92.284256,127.833031

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23.0681400,-5.921040,7.610970,-0.448056,9.653307,92.660324,127.881531

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23.1026974,-6.069395,7.723433,-0.603590,9.841407,93.516251,128.161728

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23.1076317,-6.129215,7.790432,-0.594018,9.930306,93.429405,128.194321

23.1100998,-6.145965,7.809575,-0.577268,9.954677,93.324432,128.201965

23.1125679,-6.165108,7.816753,-0.567697,9.971582,93.263702,128.263000

23.1150379,-6.167500,7.814361,-0.515055,9.968328,92.961746,128.282349

23.1175060,-6.153143,7.776075,-0.498305,9.928586,92.876823,128.354279

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23.1249123,-6.193821,7.673184,-0.421735,9.870109,92.448906,128.910599

23.1273785,-6.174679,7.627720,-0.373879,9.820823,92.181778,128.990341

23.1298466,-6.201000,7.577471,-0.385843,9.798945,92.256660,129.295074

23.1323147,-6.215357,7.553543,-0.373879,9.789099,92.188850,129.448914

23.1347847,-6.229714,7.522436,-0.342772,9.773120,92.009941,129.629898

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23.1397209,-6.229714,7.500901,-0.314058,9.755587,91.844818,129.710602

23.1421890,-6.227321,7.510472,-0.292523,9.760753,91.717369,129.663879

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23.1471233,-6.260820,7.503294,-0.290130,9.776577,91.700562,129.841949

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23.1569977,-6.279963,7.522436,-0.249452,9.802408,91.458221,129.856171

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23.1619339,-6.282356,7.532008,-0.230309,9.810820,91.345146,129.831070

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23.1915531,-6.184250,7.555936,-0.117847,9.764784,90.691490,129.299042

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23.2038956,-6.153143,7.536793,-0.055633,9.729724,90.327614,129.228683

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23.4803371,-5.949753,7.589435,-0.316451,9.648794,91.879463,128.094742

23.4828053,-5.947361,7.565507,-0.314058,9.628428,91.869194,128.171432

23.4852734,-5.911469,7.572685,-0.302094,9.611570,91.801117,127.976685

23.4877415,-5.904290,7.575078,-0.306879,9.609195,91.830109,127.934135

23.4902115,-5.897111,7.584650,-0.326022,9.612967,91.943550,127.865280

23.4926796,-5.889933,7.596614,-0.335593,9.618340,91.999512,127.787735

23.4951439,-5.877969,7.601399,-0.321236,9.614311,91.914742,127.713867

23.4976139,-5.885147,7.613363,-0.326022,9.628320,91.940453,127.704102

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23.5025501,-5.901897,7.596614,-0.292523,9.624266,91.741730,127.844048

23.5050182,-5.928218,7.570292,-0.278166,9.619276,91.657082,128.064133

23.5074863,-5.935397,7.594221,-0.256630,9.641938,91.525169,128.010025

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23.5148907,-5.971289,7.539186,-0.208774,9.619730,91.243568,128.380402

23.5173588,-6.004788,7.524829,-0.218345,9.629549,91.299263,128.589752

23.5198288,-5.995217,7.522436,-0.220738,9.621767,91.314568,128.554077

23.5222969,-6.033502,7.548757,-0.213559,9.666049,91.265984,128.634323

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23.5272331,-6.110073,7.567900,-0.304487,9.731331,91.793037,128.916260

23.5297031,-6.119644,7.608578,-0.311665,9.769218,91.828201,128.810013

23.5321712,-6.145965,7.644470,-0.349950,9.814952,92.043304,128.798416

23.5346394,-6.165108,7.658827,-0.345165,9.837954,92.010635,128.832932

23.5371056,-6.179464,7.697112,-0.376271,9.877899,92.183052,128.758499

23.5395737,-6.138786,7.716255,-0.366700,9.867105,92.129822,128.504547

23.5420437,-6.160322,7.728219,-0.373879,9.890132,92.166481,128.559067

23.5445099,-6.160322,7.735397,-0.361914,9.895298,92.096024,128.533142

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23.5519161,-6.067002,7.754540,-0.294915,9.850298,91.715675,128.038940

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23.5840015,-6.019145,7.627720,-0.091525,9.717027,90.539680,128.277481

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23.5889397,-6.031109,7.575078,-0.077169,9.683081,90.456619,128.526031

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23.6136208,-5.983253,7.630113,-0.081954,9.696631,90.484261,128.102234

23.6160889,-5.973682,7.622935,-0.081954,9.685078,90.484840,128.083878

23.6185589,-5.959325,7.625328,-0.084347,9.678135,90.499352,128.008240

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23.6259632,-5.952147,7.613363,-0.000598,9.663919,90.003548,128.018387

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23.6309013,-5.956932,7.632506,-0.000598,9.681952,90.003540,127.970924

23.6333656,-5.949753,7.625328,0.042473,9.671968,89.748398,127.963562

23.6358356,-5.956932,7.615756,0.040080,9.668836,89.762497,128.031998

23.6383038,-6.007181,7.615756,0.025723,9.699826,89.848061,128.265793

23.6407719,-6.011967,7.599007,0.049651,9.689743,89.706413,128.349335

23.6432400,-6.040681,7.591828,0.040080,9.701921,89.763306,128.508636

23.6457081,-6.078966,7.620542,0.023330,9.748181,89.862877,128.579636

23.6481781,-6.098108,7.601399,0.028116,9.745204,89.834694,128.737808

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23.6531124,-6.153143,7.589435,0.004187,9.770400,89.975441,129.033447

23.6555805,-6.165108,7.579864,-0.029312,9.770555,90.171890,129.123291

23.6580505,-6.210571,7.601399,-0.022134,9.815954,90.129196,129.249847

23.6605186,-6.212964,7.610970,-0.031705,9.824907,90.184891,129.225342

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23.7098846,-6.033502,7.740183,-0.213559,9.816272,91.246605,127.936554

23.7123508,-6.028717,7.723433,-0.208774,9.800022,91.220688,127.974693

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23.7222233,-6.038288,7.677969,-0.192024,9.769801,91.126213,128.183044

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23.7296276,-6.045466,7.654041,-0.206381,9.755748,91.212173,128.303085

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23.7345638,-6.038288,7.646863,-0.230309,9.746203,91.354065,128.296127

23.7370338,-6.016753,7.625328,-0.213559,9.715583,91.259529,128.275146

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23.7419701,-6.011967,7.577471,-0.237488,9.675651,91.406456,128.428497

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23.7567806,-5.952147,7.634899,-0.256630,9.684296,91.518494,127.939880

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23.7617149,-5.935397,7.670791,-0.261416,9.702490,91.543915,127.731483

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23.7740555,-5.870790,7.716255,-0.263809,9.699297,91.558563,127.265121

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23.7814617,-5.873183,7.725826,-0.268594,9.708492,91.585342,127.242142

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23.7863998,-5.858826,7.701898,-0.256630,9.680441,91.519096,127.260208

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23.7913342,-5.863612,7.666006,-0.254237,9.654751,91.508934,127.411827

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23.9665794,-5.954539,7.704291,-0.254237,9.740497,91.495651,127.699936

23.9690475,-5.971289,7.685148,-0.242273,9.735321,91.426010,127.846870

23.9715157,-5.978467,7.673184,-0.187238,9.729074,91.102737,127.923500

23.9739857,-6.004788,7.666006,-0.134596,9.738750,90.791893,128.071625

23.9764538,-6.014360,7.639685,-0.077169,9.723336,90.454727,128.211670

23.9789219,-6.050252,7.627720,-0.034098,9.735955,90.200661,128.421188

23.9813900,-6.064609,7.620542,0.025723,9.739241,89.848671,128.513611

23.9838562,-6.114858,7.603792,0.037687,9.757590,89.778702,128.805725

23.9863262,-6.160322,7.589435,0.071186,9.775181,89.582748,129.066132

23.9887924,-6.181857,7.594221,0.099900,9.792728,89.415489,129.146317

23.9912624,-6.229714,7.625328,0.116650,9.847261,89.321259,129.248016

23.9937305,-6.265606,7.622935,0.116650,9.868159,89.322701,129.418198

23.9961987,-6.311069,7.608578,0.131007,9.886213,89.240723,129.674606

23.9986668,-6.346962,7.596614,0.092722,9.899549,89.463341,129.878723

24.0011330,-6.342176,7.594221,0.078365,9.894520,89.546211,129.866333

24.0036030,-6.358926,7.591828,0.068794,9.903359,89.601990,129.949585

24.0060711,-6.354141,7.596614,0.040080,9.903800,89.768127,129.910583

24.0085392,-6.346962,7.567900,0.028116,9.877137,89.836906,129.985519

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24.0134773,-6.308677,7.575078,-0.019741,9.858073,90.114738,129.788208

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24.0208817,-6.119644,7.577471,-0.069990,9.740277,90.411713,128.924698

24.0233479,-6.100502,7.587042,-0.060419,9.735655,90.355576,128.801666

24.0258179,-6.033502,7.608578,-0.065204,9.710708,90.384727,128.413956

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24.0307541,-5.947361,7.649256,-0.081954,9.689630,90.484612,127.865364

24.0332222,-5.894719,7.654041,-0.089133,9.661263,90.528603,127.601471

24.0356903,-5.861219,7.670791,-0.084347,9.654120,90.500595,127.383293

24.0381584,-5.832505,7.682755,-0.096311,9.646353,90.572060,127.204620

24.0406246,-5.801398,7.689934,-0.120239,9.633574,90.715141,127.031433

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24.0875225,-6.011967,7.567900,-0.194417,9.667194,91.152351,128.463760

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24.1048012,-6.074180,7.601399,-0.187238,9.732009,91.102409,128.627899

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24.1097374,-6.062216,7.649256,-0.254237,9.763515,91.492126,128.397659

24.1122055,-6.067002,7.680363,-0.304487,9.792303,91.781868,128.306503

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24.1270142,-5.995217,7.716255,-0.407378,9.780040,92.387291,127.845757

24.1294823,-5.966503,7.761718,-0.404985,9.798339,92.368828,127.549805

24.1319523,-5.940182,7.725826,-0.397807,9.753584,92.337494,127.555725

24.1344204,-5.925825,7.716255,-0.402592,9.737457,92.369553,127.523056

24.1368885,-5.923432,7.742576,-0.426521,9.757892,92.505219,127.417679

24.1393547,-5.894719,7.725826,-0.462413,9.728819,92.724304,127.343224

24.1418247,-5.875576,7.709076,-0.440878,9.702919,92.604279,127.313324

24.1442928,-5.870790,7.711469,-0.462413,9.702926,92.731583,127.282249

24.1467609,-5.873183,7.706684,-0.433699,9.699244,92.562820,127.310646

24.1492290,-5.870790,7.692327,-0.424128,9.685966,92.509659,127.350906

24.1516991,-5.861219,7.685148,-0.440878,9.675214,92.611740,127.331619

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24.1591015,-5.882754,7.680363,-0.383450,9.682035,92.269753,127.450218

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24.1763802,-5.973682,7.642077,-0.333201,9.705526,91.967407,128.014130

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24.1813164,-6.026324,7.622935,-0.333201,9.723001,91.963875,128.328186

24.1837845,-6.040681,7.639685,-0.304487,9.744091,91.790688,128.333344

24.1862526,-6.050252,7.601399,-0.323629,9.720677,91.907890,128.517654

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24.1911907,-6.081359,7.625328,-0.330808,9.758995,91.942566,128.573090

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24.1985931,-6.098108,7.625328,-0.306879,9.768661,91.800224,128.649933

24.2010612,-6.117251,7.591828,-0.287737,9.753943,91.690445,128.860748

24.2035313,-6.107680,7.594221,-0.275773,9.749461,91.620880,128.808105

24.2059975,-6.114858,7.608578,-0.266202,9.764876,91.562141,128.788132

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24.2109356,-6.105287,7.577471,-0.247059,9.734148,91.454361,128.858932

24.2134037,-6.122037,7.589435,-0.254237,9.754152,91.493553,128.891464

24.2158699,-6.138786,7.565507,-0.225524,9.745381,91.326035,129.056488

24.2183380,-6.131608,7.558329,-0.227916,9.735342,91.341484,129.050293

24.2208080,-6.141179,7.560721,-0.237488,9.743459,91.396667,129.085159

24.2232761,-6.150751,7.567900,-0.211167,9.754457,91.240448,129.102219

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24.2306824,-6.153143,7.541579,-0.208774,9.735511,91.228775,129.210861

24.2331505,-6.165108,7.541579,-0.199202,9.742877,91.171547,129.265396

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24.2405548,-6.126822,7.548757,-0.182453,9.723938,91.075119,129.063934

24.2430229,-6.126822,7.539186,-0.153739,9.716013,90.906647,129.099503

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24.4602280,-6.134001,7.632506,-0.199202,9.793916,91.165443,128.787720

24.4626961,-6.124430,7.620542,-0.206381,9.778747,91.209320,128.787933

24.4651642,-6.131608,7.620542,-0.201595,9.783145,91.180740,128.820709

24.4676323,-6.117251,7.632506,-0.203988,9.783533,91.194710,128.711243

24.4701004,-6.114858,7.603792,-0.206381,9.759700,91.211678,128.805725

24.4725666,-6.136394,7.615756,-0.203988,9.782468,91.194839,128.860123

24.4750366,-6.134001,7.632506,-0.201595,9.793965,91.179436,128.787720

24.4775047,-6.148358,7.632506,-0.206381,9.803063,91.206322,128.853149

24.4799728,-6.143572,7.637292,-0.182453,9.803315,91.066414,128.813812

24.4824409,-6.162714,7.661220,-0.187238,9.834043,91.090965,128.813324

24.4849091,-6.150751,7.644470,-0.172881,9.813232,91.009445,128.820206

24.4873791,-6.143572,7.634899,-0.172881,9.801277,91.010674,128.822586

24.4898453,-6.136394,7.673184,-0.144168,9.826182,90.840660,128.650009

24.4923134,-6.107680,7.639685,-0.144168,9.782091,90.844452,128.641205

24.4947815,-6.102894,7.644470,-0.139382,9.782774,90.816360,128.601807

24.4972515,-6.067002,7.618149,-0.146560,9.739927,90.862183,128.533386

24.4997196,-6.071787,7.639685,-0.144168,9.759722,90.846390,128.476608

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24.5046558,-6.055037,7.622935,-0.163310,9.736492,90.961067,128.460770

24.5071259,-6.035895,7.601399,-0.180060,9.708024,91.062759,128.451355

24.5095921,-5.992824,7.606185,-0.163310,9.684765,90.966202,128.234161

24.5120602,-6.000003,7.591828,-0.156132,9.677823,90.924393,128.320160

24.5145283,-6.007181,7.594221,-0.168096,9.684352,90.994560,128.344711

24.5169964,-5.968896,7.570292,-0.160917,9.641729,90.956291,128.254471

24.5194664,-5.968896,7.565507,-0.187238,9.638448,91.113106,128.272095

24.5219326,-5.944968,7.551150,-0.175274,9.612140,91.044830,128.213120

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24.5293369,-5.887540,7.529614,-0.227916,9.560867,91.365974,128.022491

24.5318050,-5.870790,7.551150,-0.247059,9.568024,91.479614,127.863983

24.5342731,-5.866005,7.565507,-0.232702,9.576067,91.392448,127.788635

24.5367432,-5.846862,7.567900,-0.247059,9.566606,91.479836,127.689217

24.5392113,-5.818148,7.579864,-0.256630,9.558821,91.538429,127.509102

24.5416794,-5.837291,7.582257,-0.244666,9.572065,91.464661,127.591301

24.5441475,-5.842076,7.589435,-0.254237,9.580919,91.520569,127.587791

24.5466175,-5.863612,7.610970,-0.227916,9.610451,91.358925,127.611221

24.5490837,-5.868398,7.627720,-0.251845,9.627234,91.499008,127.572937

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24.5540199,-5.930611,7.637292,-0.244666,9.672654,91.449432,127.830528

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24.5688286,-6.052645,7.680363,-0.294915,9.783121,91.727463,128.240494

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24.6009178,-6.136394,7.685148,-0.244666,9.837514,91.425133,128.606461

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24.6107883,-6.165108,7.768897,-0.306879,9.922626,91.772285,128.434204

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24.6157265,-6.090930,7.713862,-0.381057,9.836071,92.220238,128.294922

24.6181946,-6.050252,7.682755,-0.426521,9.788371,92.497406,128.220810

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24.6305351,-5.904290,7.527222,-0.347557,9.572905,92.080658,128.110336

24.6330032,-5.894719,7.529614,-0.302094,9.567344,91.809448,128.056366

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24.6379414,-5.875576,7.510472,-0.285344,9.539968,91.713997,128.036697

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24.6453438,-5.956932,7.539186,-0.287737,9.612864,91.715263,128.313293

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24.6527500,-6.110073,7.584650,-0.330808,9.745221,91.945313,128.854370

24.6552181,-6.134001,7.570292,-0.335593,9.749252,91.972649,129.016907

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24.6601543,-6.167500,7.565507,-0.278166,9.764853,91.632370,129.187363

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24.6700268,-6.122037,7.606185,-0.309272,9.768779,91.814247,128.829758

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24.7021160,-6.031109,7.689934,-0.103490,9.773438,90.606705,128.106598

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24.7119865,-6.148358,7.656434,-0.002991,9.819536,90.017456,128.765564

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24.7169247,-6.193821,7.620542,0.001795,9.820188,89.989532,129.103516

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24.7267971,-6.169893,7.579864,0.011366,9.773539,89.933372,129.145065

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24.9440022,-5.988039,7.656434,-0.069990,9.720210,90.412560,128.028687

24.9464703,-5.983253,7.663613,-0.055633,9.722827,90.327843,127.980415

24.9489384,-6.004788,7.630113,-0.081954,9.709934,90.483597,128.202225

24.9514084,-5.988039,7.603792,-0.053240,9.678693,90.315170,128.220673

24.9538765,-5.966503,7.587042,-0.055633,9.652226,90.330238,128.181763

24.9563427,-5.964110,7.565507,-0.060419,9.633855,90.359337,128.249741

24.9588108,-5.947361,7.503294,-0.067597,9.574711,90.404510,128.401520

24.9612789,-5.935397,7.503294,-0.101097,9.567579,90.605431,128.345367

24.9637489,-5.933004,7.465008,-0.101097,9.536095,90.607430,128.476807

24.9662151,-5.952147,7.455437,-0.136989,9.540983,90.822678,128.602585

24.9686852,-5.913861,7.433902,-0.163310,9.500701,90.984924,128.503159

24.9711533,-5.930611,7.457830,-0.168096,9.529934,91.010674,128.492401

24.9736214,-5.925825,7.486544,-0.172881,9.549536,91.037323,128.362671

24.9760876,-5.925825,7.505686,-0.196810,9.565013,91.179001,128.291489

24.9785557,-5.925825,7.560721,-0.232702,9.609061,91.387665,128.088089

24.9810257,-5.959325,7.577471,-0.242273,9.643148,91.439644,128.183380

24.9834938,-5.983253,7.622935,-0.259023,9.694098,91.531105,128.128418

24.9859619,-5.988039,7.620542,-0.239880,9.694679,91.417847,128.159409

24.9884300,-6.023931,7.658827,-0.239880,9.746944,91.410240,128.186264

24.9909000,-6.033502,7.697112,-0.227916,9.782670,91.334999,128.091675

24.9933681,-6.069395,7.692327,-0.213559,9.800768,91.248581,128.274124

24.9958344,-6.126822,7.713862,-0.215952,9.853337,91.255829,128.458755

24.9983025,-6.201000,7.749754,-0.223131,9.927783,91.287849,128.665207

25.0007706,-6.227321,7.754540,-0.203988,9.947564,91.175011,128.766373

25.0032406,-6.267999,7.742576,-0.227916,9.964298,91.310661,128.991882

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25.0180473,-6.555138,7.589435,-0.144168,10.029463,90.823624,130.817795

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25.0229855,-6.593423,7.491330,-0.144168,9.980682,90.827644,131.352310

25.0254536,-6.595816,7.486544,-0.146560,9.978707,90.841553,131.380783

25.0279217,-6.593423,7.436295,-0.141775,9.939406,90.817291,131.561935

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25.0328598,-6.552745,7.419545,-0.158524,9.900164,90.917480,131.450089

25.0353260,-6.538388,7.400402,-0.139382,9.876026,90.808655,131.461182

25.0377941,-6.519245,7.426723,-0.163310,9.883494,90.946770,131.276962

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25.0970325,-5.638687,7.563114,-0.309272,9.438810,91.877693,126.706406

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25.1019688,-5.696115,7.567900,-0.282951,9.476228,91.711052,126.967598

25.1044369,-5.770292,7.555936,-0.239880,9.510309,91.445335,127.368126

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25.1192474,-6.107680,7.536793,-0.220738,9.703388,91.303505,129.020676

25.1217155,-6.136394,7.553543,-0.201595,9.734063,91.186699,129.089935

25.1241837,-6.174679,7.529614,-0.203988,9.739782,91.200081,129.353546

25.1266518,-6.210571,7.532008,-0.203988,9.764422,91.197052,129.507538

25.1291218,-6.220142,7.536793,-0.180060,9.773732,91.055611,129.532974

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25.1538010,-6.141179,7.479365,-0.364307,9.684405,92.155853,129.388824

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25.1636753,-6.038288,7.852646,-0.634696,9.926118,93.666107,127.558464

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