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Electronic Supplementary Information

Molecular tectonics: homochiral coordination networks based on pyridyl-substituted cyclic tetrapeptides

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General details. Analyses were carried out as follows: melting points, Müller SPM-X 300; NMR, Bruker AVANCE III 400, Bruker AVANCE 600 digital NMR (peak assignments were confirmed by using H,H-COSY and HMQC spectra, spectra were referenced to the residual solvent signals (DMSO-d_6: δ_H = 2.50 ppm, δ_C = 39.5 ppm); MALDI-TOF-MS, Bruker Ultraflex TOF/TOF; elemental analysis, Elementar vario Micro cube; optical rotation, JASCO P-2000 polarimeter (d = 10 cm). For column chromatography, silica 60, 0.04-0.063 (Macherey-Nagel) was used.

Crystallographic data collection. Single crystal X-ray crystal structure data for **1**, **1**·$CdCl_2$, **1**·$HgCl_2$ and **2**·$HgCl_2$·CH_3OH were collected on a Bruker SMART CCD diffractometer with Mo-Kα radiation and, in the case of **2,** on a RIGAKU OXFORD XCALIBUR CCD diffractometer with Cu-Kα radiation. The structures were solved und refined using the program SHELXS and refined by full matrix least squares on F2 with anisotropic thermal parameters for all non-hydrogen atoms using the program SHELXL.[1] The hydrogen atoms were introduced at calculated positions and not refined (riding model). These programs were implemented by the Bruker SHELXTL Software Package (version 2014) for **1**, **1**·$CdCl_2$, **1**·$HgCl_2$ and **2**·$HgCl_2$·CH_3OH and the WinGX-Software (version 2013) for **2**,[2] respectively. CCDC 1473103-1473107 contain the supplementary crystallographic data for this paper. These data can be obtained free of charge from the Cambridge Crystallographic Data Centre via www.ccdc.cam.ac.uk/data_request/cif. Powder X-ray diffraction (PXRD) patterns were recorded on a Bruker D8 AV diffractometer using Cu-Kα radiation (λ = 1.5406 Å) operating at 40 kV and 40 mA with a scanning range between 3.8 and 50° by a scan step size of 2°/min. For comparison, simulated patterns were calculated using the Mercury software. The reflexions list for **1**·$HgCl_2$ and **1**·$CdCl_2$ was generated by CrystalDiffract 6 for OS X (Crystal Maker Software 1996-2014).

The following abbreviations are used: ABA, 3-aminobenzoic acid; Pyr, pyridine; ANA, 5-aminonicotinic acid; DIPEA, *N*-ethyl-*N*-isopropylpropan-2-amine; PyCloP, chlorotripyrrolidino-phosphonium hexafluorophosphate; dba, dibenzylideneacetone; X-Phos, 2-dicyclohexylphosphino-2',4',6'-triisopropylbiphenyl; TBTU, *N*,*N*,*N*',*N*'-tetramethyl-*O*-(benzotriazol-1-yl)uronium tetra-fluoroborate; QCA, 1,4-quinone-3-carboxylic acid (oxidation product of 2,5-dihydroxybenzoic acid used as matrix for the MALDI-TOF MS measurements).

Syntheses

General synthetic methods

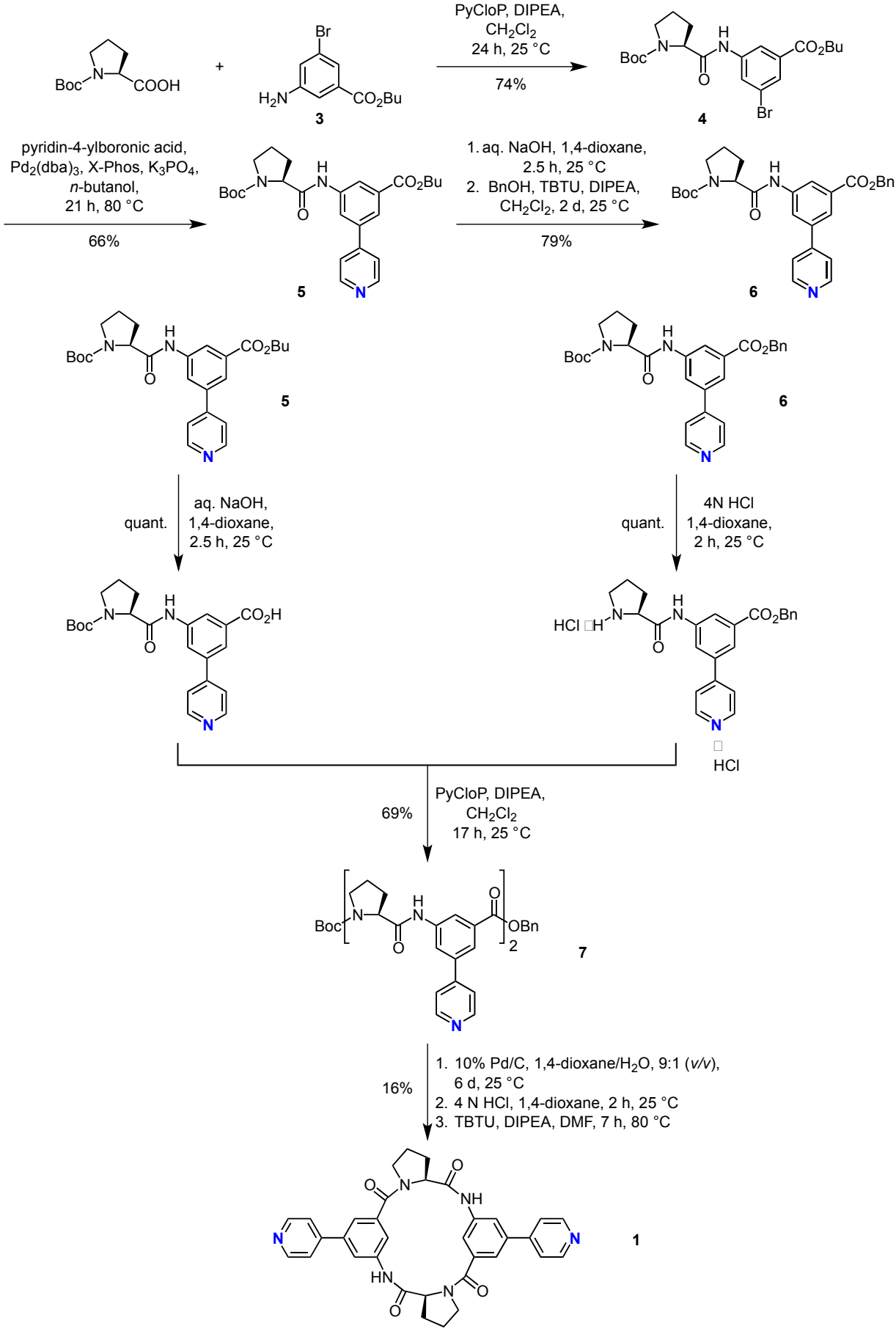
General procedure for the cleavage of Boc groups. A solution of the carbamate in 1,4-dioxane (20 mL/mmol) was cooled with an ice bath and a 6 N solution of HCl in 1,4-dioxane (40 mL/mmol) was added dropwise. The reaction mixture was stirred for 2 h at 25 °C followed by evaporation of the solvent in vacuo. The sticky residue was triturated in diethyl ether (40 mL/mmol), the resulting suspension was stirred for additional 2.5 h, the product was filtered off, and dried in vacuo.

General procedure for the cleavage of butyl esters. The ester was dissolved in 1,4-dioxane (20 mL/mmol). Water (20 mL/mmol) and aqueous sodium hydroxide (1 M, 5 mL/mmol) were added and the reaction mixture was stirred for 2.5 h at 25 °C. After evaporation of the 1,4-dioxane, the pH value of the aqueous layer was adjusted with saturated aqueous $KHSO_4$ to 6.4 and the resulting solution was extracted three times with chloroform. The combined organic layers were washed with water and dried over $MgSO_4$. After evaporation of the solvent the remaining product was dried in vacuo.

General procedure for the cleavage of benzyl esters. To a solution of the ester in 1,4-dioxane/water, 9:1 (*v/v*) (60 mL/mmol), 10% Pd/C (10 mass%, suspended in 2 mL of water) was added. The reaction mixture was hydrogenated at atmospheric pressure for 6 d at 25 °C. The catalyst was filtered off through a layer of celite and washed with 1,4-dioxane/water, 9:1 (*v/v*). The solvent was evaporated and the sticky residue was treated with ethyl acetate (30 mL). After evaporation of the solvent the product was dried in vacuo.

General procedure for the cleavage of methyl esters. The ester was dissolved in 1,4-dioxane (20 mL/mmol). Water (20 mL/mmol) and aqueous sodium hydroxide (1 M, 5 mL/mmol) were added and the reaction mixture was stirred for 2 h at 25 °C. After evaporation of the 1,4-dioxane, the aqueous layer was washed with diethyl ether (10 mL/mmol). The pH value of the aqueous layer was adjusted to 2 with saturated aqueous $KHSO_4$ and the solution was extracted three times with chloroform. The combined organic layers were washed with water and dried over $MgSO_4$. After evaporation of the solvent the product was dried in vacuo.

Synthesis of Cyclopeptide **1**



Butyl 3-amino-5-bromobenzoate 3.[3] Concentrated sulfuric acid (6 mL) was added dropwise at room temperature to a suspension of 3-amino-5-bromobenzoic acid (10.0 g, 46.3 mmol) in *n*-butanol (60 mL). The reaction mixture was stirred for 3 d and then filtered. The pH value of the filtrate was adjusted with aqueous saturated $NaHCO_3$ to 8 and the resulting solution was extracted three times with dichloromethane. The combined organic layers were dried over $MgSO_4$, the solvent evaporated, and the product dried in vacuo. Yield: 6.45 g (23.7 mmol, 51%); mp.: 73-75 °C; ^{1}H NMR (400 MHz, DMSO-d_6, 21 °C): δ = 7.15 (dd (t_{app})*, 1H, ^4J = 1.7 Hz, H6), 7.11 (dd (t_{app}), 1H, ^4J = 1.6 Hz, H2), 6.95 (dd (t_{app}), 1H, ^4J = 2 Hz, H4), 5.75 (s, 2H, NH_2), 4.22 (t, 2H, ^3J = 6.5 Hz, $BuCH_2$), 1.62-1.69 (m, 2H, $BuCH_2$), 1.35-1.44 (m, 2H, $BuCH_2$), 0.92 (t, 3H, ^3J = 7.4 Hz, $BuCH_3$) ppm; ^{13}C NMR (101 MHz, DMSO-d_6, 25 °C): δ = 165.0 (CO_2Bu), 150.8 (C3), 132.3 (C1), 122.0 (C5), 119.7 (C6), 117.9 (C4), 113.2 (C2), 64.5 (BuC^1), 30.2 (BuC^2), 18.7 (BuC^3), 13.6 (BuC^4) ppm; IR (ATR): ν(bar) = 3484 (m), 3380 (s), 3211 (w), 3100 (w), 3077 (w), 3049 (w), 2963 (m), 2935 (w), 2895 (w), 2877 (w), 2867 (w), 1703 (s), 1619 (s) 1600 (s), 1569 (s), 1461 (s), 1450 (s), 1357 (m), 1308 (s), 1270 (m), 1243 (s), 1117 (m), 985 (s), 944 (m), 899 (m), 849 (s), 767 (s), cm^{-1}; MS (GC-HR): *m/z* = 169.9594/171.9586 $[M\text{-}COOC_4H_9]^+$, 197.9558/199.9540 $[M\text{-}OC_4H_9]^+$, 214.9580/216.9566 $[M\text{-}C_4H_8]^+$, 271.0203/ 273.0189 $[M]^+$; CHN calculated for $C_{11}H_{14}BrNO_2$ (M.W.: 272.14): C, 48.55; H, 5.19; N, 5.15 found: C, 48.30; H, 5.22; N, 5.08.

Boc-Pro-(5-Br-ABA)-OBu 4. Boc-L-proline (6.04 g, 28.0 mmol) and butyl 3-amino-5-bromobenzoate (6.36 g, 23.4 mmol) were dissolved in CH_2Cl_2 (450 mL). DIPEA (13.3 g, 103 mmol) and PyCloP (11.8 g, 28.0 mmol) were added at room temperature and the reaction mixture was stirred for 24 h. Afterwards, the solvent was evaporated and the residue was purified by column chromatography (SiO_2, EtOAc/*n*-hexane, 1:2 (*v/v*)) to afford a sticky resin. This crude product was triturated with *n*-hexane and the solid thus formed was filtered off. Drying in vacuo yielded pure product as a colourless solid. Yield: 9.68 g (20.6 mmol, 74%); mp.: 137-141 °C; $[\alpha]_D^{21}$ = –87.6 (*c* = 1, $CHCl_3$); ^{1}H NMR (600 MHz, DMSO-d_6, 100 °C): δ = 9.92 (br, 1H, NH), 8.15-8.16 (m, 2H, ABAH(2) + ABAH(4)), 7.73 (dd (t_{app}), 1H, ^4J = 1.6 Hz, ABAH(6), 4.32 (t, 2H, ^3J = 6.5 Hz, $BuCH_2$), 4.26 (dd, 1H, $^3J_{ax,eq}$ = 4.1 Hz, $^3J_{ax,ax}$ = 8.4 Hz, ProH(α)), 3.46-3.50 (m, 1H, ProH(δ)), 3.39-3.43 (m, 1H, ProH(δ)), 2.20-2.26 (m, 1H, ProH(β)), 1.91-1.98 (m, 2H, ProH(β) + ProH(γ)), 1.81-

* t_{app} = apparent triplet

1.87 (m, 1H, ProH(γ)), 1.71-1.76 (m, 2H, $BuCH_2$), 1.43-1.49 (m, 2H, $BuCH_2$), 1.37 (s, 9H, $BocCH_3$), 0.96 (t, 3H, ^3J = 7.4 Hz, $BuCH_3$) ppm; IR (ATR): ν(bar) = 3266 (w), 3243 (w), 3184 (w), 3109 (w), 3082 (w), 2960 (m), 2936 (w), 1726 (s), 1708 (s), 1660 (s), 1606 (s), 1549 (s), 1444 (s), 1414 (s), 1367 (m), 1312 (s), 1287 (s), 1250 (m), 1228 (s), 1180 (s), 1164 (s), 1133 (s), 1110 (s), 878 (m), 853 (m), 767 (s), 724 (m) cm^{-1}; MS (MALDI-TOF): *m/z* (%) = 369.0/371.0 (100) $[M\text{-}Boc+H]^+$, 491.1/493.1 (46) $[M+Na]^+$, 507.1/509.1 (38) $[M+K]^+$; CHN calculated for $C_{21}H_{29}N_2O_5Br$ (M.W.: 469.37): C, 53.74; H, 6.23; N, 5.97; found: C, 53.63; H, 6.26; N, 5.92.

Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBu 5.[4] A crimp cap vial with a teflon septum and stirring bar was charged with **4** (3.22 g, 6.85 mmol), $Pd_2(dba)_3$ (62.8 mg, 68.5 µmol, 1 mol%), X-Phos (131 mg, 274 µmol, 4 mol%), pyridin-4-ylboronic acid (1.35 g, 11.0 mmol) and K_3PO_4 (2.91 g, 13.7 mmol). The vial was evacuated and back-filled with nitrogen three times. Degassed *n*-butanol (45 mL) was added and the reaction mixture was stirred for 21 h at 80 °C. The suspension was filtered and the filter cake was thoroughly washed with CH_2Cl_2. The filtrate was evaporated and the remaining residue was purified chromatographically (SiO_2, ethyl acetate). The sticky resin collected after evaporation of the product fractions was triturated with diethyl ether/*n*-hexane, 1:1 (*v/v*). Evaporation of the solvent and drying in vacuo afforded the product as colourless solid. Yield: 2.13 g (4.55 mmol, 66%); mp.: 70-72 °C; $[\alpha]_D^{21}$ = –86.7 (*c* = 1, $CHCl_3$); ^{1}H NMR (600 MHz, DMSO-d_6, 100 °C): δ = 9.89 (s, 1H, NH), 8.67-8.69 (m, 2H, PyH(2) + PyH(2')), 8.29 (dd (t_{app}), 1H, ^4J = 1.7 Hz, ABAH(2/4)), 8.26 (dd (t_{app}), 1H, ^4J = 1.9 Hz, ABAH(2/4)), 7.95 (dd (t_{app}), 1H, ^4J = 1.6 Hz, ABAH(6)), 7.60-7.61 (m, 2H, PyH(3) + PyH(3')), 4.36 (t, 2H, 6.6 Hz, $BuCH_2$), 4.31 (dd, 1H, $^3J_{ax,eq}$ = 4.2 Hz, $^3J_{ax,ax}$ = 8.5 Hz, ProH(α)), 3.48-3.52 (m, 1H, ProH(δ)), 3.41-3.45 (m, 1H, ProH(δ)), 2.23-2.28 (m, 1H, ProH(β)), 1.93-2.02 (m, 2H, ProH(β) + ProH(γ)), 1.83-1.90 (m, 1H, ProH(γ)), 1.74-1.79 (m, 2H, $BuCH_2$), 1.48 (m, 2H, $BuCH_2$), 1.39 (s, 9H, $BocCH_3$), 0.98 (t, 3H, ^3J = 7.4 Hz, $BuCH_3$) ppm; IR (ATR): ν(bar) = 3297 (w), 3110 (w), 2962 (w), 2934 (w), 2875 (w), 1716 (m), 1700 (m), 1661 (s), 1595 (m), 1565 (m), 1552 (m), 1454 (m), 1409 (s), 1366 (m), 1342 (m), 1240 (s) 1161 (s), 1127 (m), 892 (w), 822 (m), 769 (s) cm^{-1}; MS (MALDI-TOF): *m/z* (%) = 368.1 (15) $[M\text{-}Boc+H]^+$, 412.1 (34) $[M\text{-}iso\text{-butene}+H]^+$, 468.2 (100) $[M+H]^+$, 490.2 (18) $[M+Na]^+$; CHN calculated for $C_{26}H_{33}N_3O_5$ (M.W.: 467.56): C, 66.79; H, 7.11; N, 8.99; found: C, 66.43; H, 7.10; N, 8.84.

Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBn 6. Compound **5** (1.40 g, 3.00 mmol) was saponified at the carboxylic acid group according to the general procedure for the cleavage of butyl esters. To a suspension of the thus obtained product (1.19 g, 2.90 mmol) in CH_2Cl_2 (60 mL), benzyl alcohol (1.00 g, 9.25 mmol), DIPEA (1.65 g, 12.8 mmol) and TBTU (1.40 g, 4.35 mmol) were added and the reaction mixture was stirred for 2 d at 25 °C. After evaporation of the solvent, the residue was dissolved in ethyl acetate (200 mL) and the solution was washed with 5% aqueous Na_2CO_3 and water. The organic layer was dried over $MgSO_4$ and concentrated under reduced pressure. Subsequent purification by column chromatography (SiO_2, EtOAc/*n*-hexane, 3:1 (*v/v*)) afforded the product as a sticky resin. This resin was triturated with a diethyl ether/*n*-hexane, 5:1 (*v/v*). After evaporation of the solvent and drying of the residue in vacuo a colourless solid was obtained. Yield: 1.14 g (2.28 mmol, 79%); mp.: 181-184 °C; $[\alpha]_D^{21}$ = –86.1 (*c* = 1, $CHCl_3$); ^{1}H NMR (600 MHz, DMSO-d_6, 100 °C): δ = 9.91 (s, 1H, NH), 8.68-8.69 (m, 2H, PyH(2) + PyH(2')), 8.29-8.31 (m, 2H, ABAH(2) + ABAH(4)), 8.00 (dd (t_{app}), 1H, ^4J = 1.5 Hz, ABAH(6)), 7.61-7.62 (m, 2H, PyH(3) + PyH(3')), 7.48-7.49 (m, 2H, BnH), 7.41-7.44 (m, 2H, BnH), 3.34-3.37 (m, 1H, BnH), 5.43 (s, 2H, $BnCH_2$), 4.31 (dd, 1H, $^3J_{ax,eq}$ = 4.1 Hz, $^3J_{ax,ax}$ = 8.4 Hz, ProH(α)), 3.48-3.52 (m, 1H, ProH(δ)), 3.41-3.45 (m, 1H, ProH(δ)), 2.22-2.29 (m, 1H, ProH(β)), 1.94-2.02 (m, 2H, ProH(β) + ProH(γ)), 1.83-1.90 (m, 1H, ProH(γ)), 1.39 (s, 9H, $BocCH_3$) ppm; IR (ATR): ν(bar) = 3210 (w), 3159 (w), 3066 (w), 3031 (w), 3011 (w), 2976 (w), 2934 (w), 2894 (w), 1721 (m), 1706 (m), 1691 (s), 1601 (m), 1573 (m), 1498 (w), 1480 (w), 1451 (m), 1404 (s), 1387 (s), 1362 (m), 1241 (s), 1227 (s) 1165 (s), 1119 (s), 1082 (m), 972 (m), 766 (s), 756 (s) cm^{-1}; MS (MALDI-TOF): *m/z* (%) = 502.3 (100) $[M+H]^+$, 524.3 (38) $[M+Na]^+$, 540.3 (7) $[M+K]^+$, 654.3 (26%) $[M+QCA+H]^+$, 676.3 (8%) $[M+QCA+Na]^+$, 692.3 (2%) $[M+QCA+K]^+$; CHN calculated for $C_{29}H_{31}N_3O_5$ (M.W.: 501.57): C, 69.44; H, 6.23; N, 8.38; found: C, 69.09; H, 6.12; N, 8.22.

Boc-[Pro-(5-(Pyr-4-yl)-ABA)]$_2$-OBn 7. Compound **5** (0.70 g, 1.50 mmol) was deprotected at the carboxylic acid group according to the general procedure for the cleavage of butyl esters. An equivalent amount of **6** (0.75 g, 1.50 mmol) was deprotected at the amino group according to the general procedure for the cleavage of Boc groups. Boc-Pro-(5-(Pyr-4-yl)-ABA)-OH (538 mg, 1.31 mmol) and H-Pro-(5-(Pyr-4-yl)-ABA)-OBn·2 HCl (617 mg, 1.30 mmol) were suspended in CH_2Cl_2 (65 mL). DIPEA (750 mg, 5.80 mmol) and PyCloP (667 mg, 1.58 mmol) were added at room

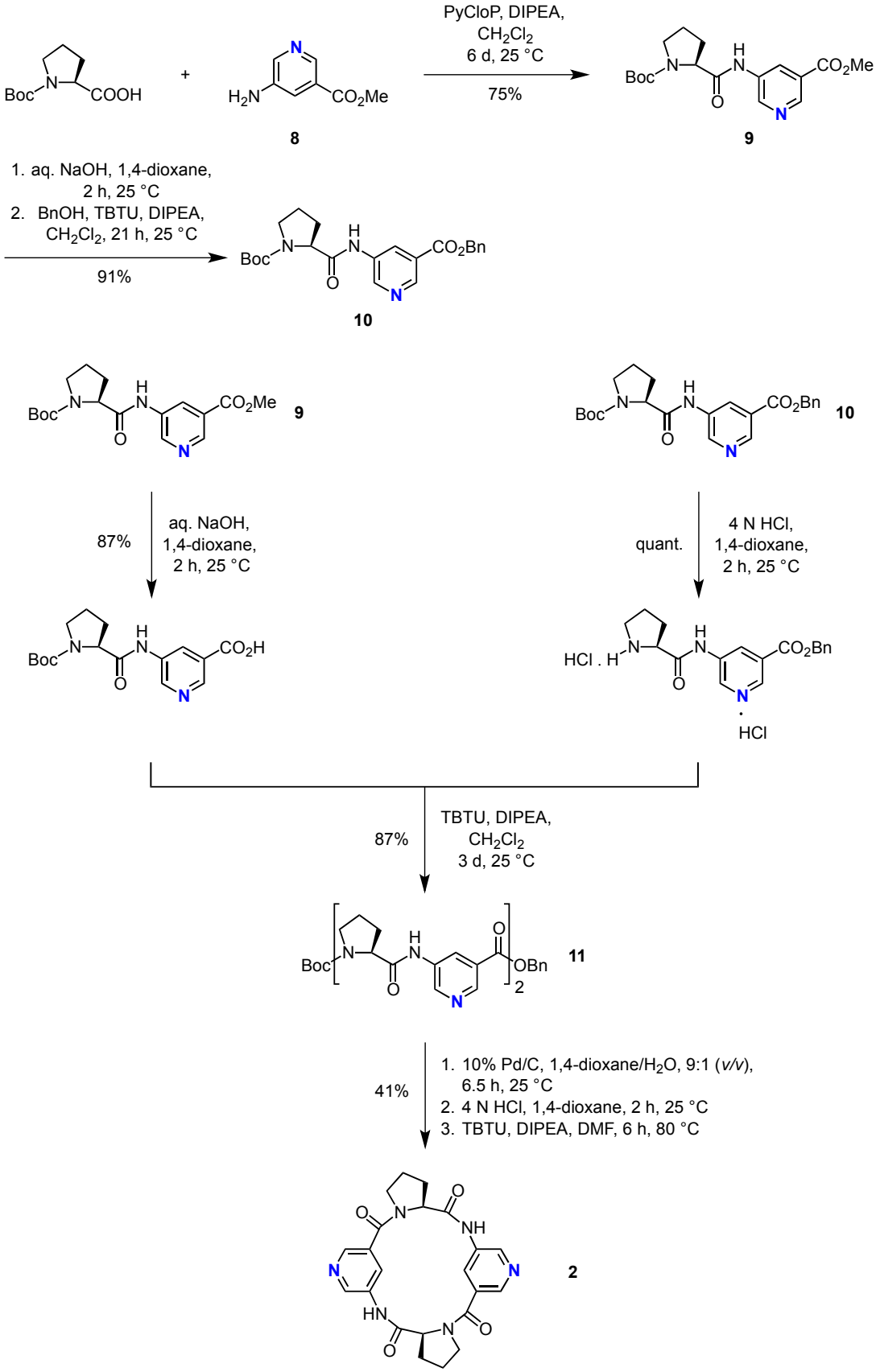
temperature and the reaction mixture was stirred for 17 h. Afterwards, the solvent was evaporated and the residue was purified by column chromatography (SiO_2, CH_2Cl_2/MeOH, 20:1 (*v/v*)) to afford a sticky resin. The resin was triturated with diethyl ether/*n*-hexane, 1:1 (*v/v*) and the solvent was evaporated. In a second step, the residue was triturated with *n*-hexane. After removal of the solvent the remaining colourless solid was dried in vacuo. Yield: 710 mg (0.89 mmol, 69%); MS (MALDI-TOF): *m/z* (%) = 605.6 (12) $[M\text{-Boc-}C_7H_6+H]^+$, 695.7 (100) $[M\text{-Boc}+H]^+$, 847.9 (31) $[M\text{-Boc+QCA}+H]^+$.

***cyclo*[Pro-(5-(Pyr-4-yl)-ABA)]$_2$ 1**. Compound **7** (0.52 g, 0.65 mmol) was first hydrogenated and then deprotected at the amino group according to the corresponding general procedures. TBTU (914 mg, 2.85 mmol) was dissolved in degassed DMF (110 mL) under nitrogen and DIPEA (949 mg, 7.35 mmol) was added. The resulting mixture was heated to 80 °C and a solution of H-[Pro-(5-(Pyr-4-yl)-ABA)]$_2$-OH·3 HCl (403 mg, 0.57 mmol) and DIPEA (584 mg, 4.52 mmol) in DMF (22 mL) was added dropwise over a period of 5 h. Stirring was continued for further 2 h at 80 °C and the solvent was subsequently evaporated under reduced pressure. The residue was initially purified by column chromatography by using a solvent gradient (SiO_2, CH_2Cl_2/MeOH, 10:1 5:1, 1:1 (*v/v*)). The residue collected after evaporation of the product fractions was triturated with hot EtOH (5 mL), the crude product filtered off, and washed both with EtOH and diethyl ether. After drying in vacuo the crude product was dissolved in a mixture of DMF/DMSO, 10:3 (*v/v*) (1.3 mL) and purified by using an RP-8 column. For this, the solution was subjected to a column conditioned with 1,4-dioxane/water, 1:5 (*v/v*). The eluent composition was subsequently changed to 1,4-dioxane/water, 5:1 (*v/v*) and MeOH, with which the product eluted. The solid collected after evaporation of the product fractions was triturated with diethyl ether and filtered off. The colourless solid thus obtained was dried in vacuo at 50 °C. Yield: 55.0 mg (93.8 µmol, 17%); mp.: > 300 °C; $[\alpha]_D^{22}$ = – 324.1 (*c* = 1, DMSO); ^{1}H NMR (400 MHz, DMSO-d_6, 21 °C): δ = 9.95 (s, 2H, NH), 8.63-8.65 (m, 4H, PyH(2) + PyH(2')), 8.12 (dd (s_{app})*, 2H, ABAH(2)), 7.62-7.64 (m, 4H, PyH(3) + PyH(3')), 7.49 (dd (t_{app}), 2H, ^4J = 1.3 Hz, ABAH(6)), 7.16 (dd (s_{app}), 2H, ABAH(4)), 4.05 (dd, 2H, $^3J_{ax,eq}$ = 2.2 Hz, $^3J_{ax,ax}$ = 8.3 Hz, ProH(α)), 3.63-3.66 (m, 4H, ProH(δ)), 2.17-2.28 (m, 2H, ProH(β)), 1.90-2.06 (m, 6H, ProH(β) + ProH(γ)) ppm; ^{13}C NMR (101 MHz, DMSO-d_6, 25 °C): δ = 171.8 (ProCO), 168.7

* s_{app} = apparent singlet

(ABACO), 150.3 (PyC(2) + Py-C(2')), 145.9 (PyC(4)), 139.3 (ABAC(1/3)), 139.0 (ABAC(1/3)), 138.0 (ABAC(5)), 121.1 (Py-C(3) + Py-C(3')), 119.2 (ABAC(6)), 117.6 (ABAC(2)), 117.4 (ABAC(4)), 62.0 (ProC(α)), 46.8 (ProC(δ)), 31.2 (ProC(β)), 22.8 (ProC(γ)) ppm; IR (ATR): ν(bar) = 3279 (w), 3251 (w), 3214 (w), 3160 (w), 3018 (w), 2978 (w), 2961 (w), 2877 (w), 1695 (m), 1602 (s), 1591 (s), 1566 (s), 1441 (s), 1420 (s), 1397 (s), 1371 (m), 11340 (m), 1323 (m), 1224 (m), 1186 (m), 1165 (m), 989 (w), 876 (m) 816 (s), 749 (m), 704 (m) cm^{-1}; MS (MALDI-TOF): *m/z* (%) = 587.3 (100) $[M+H]^+$, 609.3 (29) $[M+Na]^+$, 625.2 (5) $[M+K]^+$, 739.3 (9) $[M+QCA+H]^+$, 761.3 (4) $[M+QCA+Na]^+$; CHN calculated for $C_{34}H_{30}N_6O_4 \cdot 0.5\ H_2O$ (M.W.: 595.64): C, 68.56; H, 5.25; N, 14.11; found: C, 68.50; H, 5.28; N, 14.09. Single crystals suitable for X-Ray diffraction were obtained by slow evaporation of a solution of **1** (5 mg) in a mixture of solvents (CH_2Cl_2/MeOH/EtOH 1 mL/1 mL/0.5 mL).

Synthesis of Cyclopeptide **2**



Methyl 5-aminopyridine-3-carboxylate 8.[5] Thionyl chloride (9.04 g, 76.0 mmol) was added dropwise at 0 °C to a suspension of 5-amino-pyridine-3-carboxylic acid (1.50 g, 10.9 mmol) in methanol (30 mL) and the mixture was stirred for further 4 d at 25 °C. Aqueous NaOH (2 M, 100 mL) was added and the pH of the solution was adjusted with saturated aqueous $NaHCO_3$ to 8. The resulting solution was concentrated in vacuo and extracted three times with ethyl acetate. The combined organic layers were dried over $MgSO_4$. After evaporation of the solvent the product was dried in vacuo. Yield: 1.52 g (9.97 mmol, 91%); mp.: 137-140 °C; ^{1}H NMR (400 MHz, DMSO-d_6, 21 °C): δ = 8.61 (d_{app}, 1H, ^4J = 1.7 Hz, H(2)), 8.23 (d_{app}, 1H, ^4J = 2.8 Hz, H(6)), 7.55 (dd_{app}, 1H, ^4J = 1.8 Hz, ^4J = 2.7 Hz, H(49), 3.92 (s, 3H, CH_3), 3.86 (br, 2H, NH_2) ppm; ^{13}C NMR (101 MHz, DMSO-d_6): δ = 166.3 (CO), 142.4 (C(3)), 141.1 (C(2) or C(6)), 141.0 (C(2) or C(6)), 126.3 (C(5)), 121.9 (C(4)), 52.5 (CH_3) ppm.

Boc-Pro-ANA-OMe 9. Boc-L-proline (2.11 g, 9.80 mmol) and **8** (1.23 g, 8.08 mmol) were dissolved in CH_2Cl_2 (150 mL). DIPEA (3.66 g, 28.3 mmol) and PyCloP (4.14 g, 9.82 mmol) were added and the reaction mixture was stirred for 6 d at 25 °C. Afterwards, the solvent was evaporated and the residue was purified by column chromatography (SiO_2, EtOAc/*n*-hexane, 3:1 (*v/v*)). The residue collected after evaporation of the product fractions was dissolved in CH_2Cl_2 (100 mL) and washed with 5% aqueous Na_2CO_3 and with water. The organic layer was dried over $MgSO_4$. Evaporation of the solvent afforded the product as a sticky resin. After trituration with diethyl ether/*n*-hexane, 1:1 (*v/v*), evaporation of the solvent, and drying in vacuo a colourless solid was obtained. Yield: 2.55 g (7.30 mmol, 75%); mp.: 47-50 °C; $[\alpha]_D^{22}$ = –131.0 (*c* = 1, $CHCl_3$); ^{1}H NMR (600 MHz, DMSO-d_6, 100 °C): δ = 9.95 (s, 1H, NH), 8.97 (d_{app}, 1H, ^4J = 1.6 Hz, ANAH(6)), 8.78 (d_{app}, 1H, ^4J = 1.2 Hz, ANAH(2)), 8.56 (t_{app}, 1H, ^4J = 1.5 Hz, ANAH(4)), 4.30 (dd, 1H, $^3J_{ax,eq}$ = 3.7 Hz, $^3J_{ax,ax}$ = 7.7 Hz, ProH(α)), 3.92 (s, 3H, CH_3), 3.47-3.51 (m, 1H, ProH(δ)), 3.40-3.44 (m, 1H, ProH(δ)), 2.22-2.28 (m, 1H, ProH(β)), 1.92-2.00 (m, 2H, ProH(β), ProH(γ)), 1.82-1.89 (m, 1H, ProH(γ)), 1.38 (s, 9H, BocCH_3) ppm; IR (ATR): ν(bar) = 3280 (w), 3093 (w), 2978 (w), 1728 (m), 1698 (s), 1660 (s), 1586 (w), 1547 (m), 1456 (m), 1417 (s), 1366 (m), 1301 (s), 1255 (m), 1228 (m), 1157 (s), 1108 (s), 766 (s) cm^{-1}; MS (MALDI): *m/z* (%) = 250.0 $[M\text{-Boc+H}]^+$ (16), 294.0 [M-*iso*-butene+H]$^+$ (29), 350.1 $[M+H]^+$ (100), 372.2 $[M+Na]^+$ (22); CHN calculated for $C_{17}H_{23}N_3O_5$ (M.W.: 349.38): C, 58.44; H, 6.64; N, 12.03; found: C, 58.10; H, 6.64; N, 11.86.

Boc-Pro-ANA-OBn 10. Boc-Pro-ANA-OMe **9** (0.98 g, 2.80 mmol) was saponified at the carboxylic acid group according to the general procedure for the cleavage of methyl esters. To a solution of the thus obtained product (0.87 g, 2.60 mmol) in CH_2Cl_2 (250 mL), benzyl alcohol (2.81 g, 26.0 mmol), DIPEA (1.34 g, 10.40 mmol) and TBTU (1.00 g, 3.12 mmol) were added and the reaction mixture was stirred for 21 h at 25 °C. After evaporation of the solvent the remaining residue was purified by column chromatography (SiO_2, EtOAc/*n*-hexane 1:1 (*v/v*)). The sticky resin collected after evaporation of the product fractions was triturated with diethyl ether/*n*-hexane, 5:1 (*v/v*), the suspension was evaporated, and the residue dried to afford the product as a colourless solid. Yield: 1.05 mg (2.55 mol, 98%); mp.: 50-53 °C; $[\alpha]_D^{22}$ = –114.1 (*c* = 1, $CHCl_3$); ^{1}H NMR (600 MHz, DMSO-d_6, 100 °C): δ = 10.00 (s, 1H, NH), 9.00 (d_{app}, 1H, ^4J = 2.5 Hz, ANAH(6)), 8.82 (d_{app}, 1H, ^4J = 1.9 Hz, ANAH(2), 8.55-8.56 (m, 1H, ANAH(4)), 7.46-7.48 (m, 2H, BnH), 7.39-7.42 (m, 2H, BnH), 7.35-7.37 (m, 1H, BnH), 5.41 (s, 2H, $BnCH_2$), 4.29 (dd, 1H, $^3J_{ax,eq}$ = 4.3 Hz, $^3J_{ax,ax}$ = 8.5 Hz, ProH(α)), 3.46-3.50 (m, 1H, ProH(δ)), 3.39-3.43 (m, 1H, ProH(δ)), 2.21-2.27 (m, 1H, ProH(β)), 1.91-1.99 (m, 2H, ProH(β), ProH(γ)), 1.81-1.88 (m, 1H, ProH(γ)), 1.36 (s, 9H, $BocCH_3$) ppm; IR (ATR): ν(bar) = 3281 (w), 3193 (w), 3091 (w), 2976 (w), 2934 (w), 2883 (w), 1723 (m), 1701 (m), 1658 (s), 1587 (w), 1548 (m), 1456 (m), 1417 (s), 1366 (m), 1295 (s), 1253 (m), 1221 (m), 1158 (s), 1106 (s), 1021 (w), 975 (w), 900 (w), 765 (m), 696 (s) cm^{-1}; MS (MALDI): *m/z* (%) = 370.1 [M-*iso*-butene+H]$^+$ (20), 426.2 [M+H]$^+$ (100), 448.2 [M+Na]$^+$ (9), 464.2 [M+K]$^+$ (6), 578.3 [M+QCA+H]$^+$ (23); CHN calculated for $C_{23}H_{27}N_3O_5$ (M.W.: 425.48): C, 64.93; H, 6.40; N, 9.88; found: C, 64.98; H, 6.57; N, 9.72.

Boc-(Pro-ANA)$_2$-OBn 11. Boc-Pro-ANA-OMe **9** (0.66 g, 1.90 mmol) was deprotected at the carboxylic acid group according to the general procedure for the cleavage of methyl esters and Boc-Pro-ANA-OBn **10** (0.95 g, 2.30 mmol) was deprotected at the amino group according to the general procedure for the cleavage of Boc groups. To a suspension of Boc-Pro-ANA-OH (0.59 g, 1.77 mmol) and H-Pro-ANA-OBn·2 HCl (0.81 g, 2.12 mmol) in CH_2Cl_2 (60 mL), DIPEA (1.09 g, 7.78 mmol) and TBTU (0.68 g, 2.12 mmol) were added and the reaction mixture was stirred for 3 d at 25 °C. Afterwards, the solvent was evaporated and the residue was purified twice by column chromatography (SiO_2, 0.5 vol% NEt_3 in CH_2Cl_2/MeOH, 16:1 (*v/v*)). The crude product was dissolved in ethyl acetate (300 mL) and the solution was washed with 5% aqueous $NaHCO_3$ and

water. The organic layer was dried over $MgSO_4$ and the solvent was evaporated affording a sticky resin. After trituration with diethyl ether/*n*-hexane, 1:1 (v/v) the solvent was evaporated and the product dried in vacuo to afford a colourless solid. Yield: 0.97 g (1.54 mmol, 87%); MS (MALDI): *m/z* = 543.4 $[M\text{-}Boc+H]^+$ (85), 565.4 $[M\text{-}Boc+Na]^+$ (27), 643.5 $[M+H]^+$ (28), 665.5 $[M+Na]^+$ (71), 681.5 $[M+K]^+$ (81).

***cyclo*[Pro-ANA]$_2$ 2**. Boc-(Pro-ANA)$_2$-OBn **11** (0.88 g, 1.40 mmol) was first hydrogenated and then deprotected at the amino group according to the corresponding general procedures. TBTU (1.78 g, 5.53 mmol) was dissolved in degassed DMF (240 mL) under nitrogen and DIPEA (1.86 g, 14.4 mmol) was added. The resulting mixture was heated to 80 °C and a solution of H-(Pro-ANA)$_2$-OH·3 HCl (0.62 g, 1.11 mmol) and DIPEA (1.15 g, 8.85 mmol) in DMF (50 mL) was added dropwise over a period of 4 h. Stirring was continued for further 2 h at 80 °C and the solvent was evaporated under reduced pressure. The residue was purified by column chromatography by using a solvent gradient (SiO_2, CH_2Cl_2/MeOH, 10:1, 5:1, 1:1). The solid collected after evaporation of the product fractions was recrystallized from MeOH (ca. 10 mL) affording the product as a colourless solid after drying in vacuo. Yield: 0.25 g (0.58 mmol, 52%); mp.: >300 °C; $[\alpha]_D^{22}$ = –83.7 (*c* = 1, MeOH); ^{1}H NMR (400 MHz, DMSO-d_6, 21 °C): δ = 10.10 (s, 2H, NH), 8.33 (s_{app}, 2H, ANAH(4)), 8.27 (d_{app}, 2H, ^4J = 1.8 Hz, ANAH(2)), 8.06 (s_{app}, 2H, ANAH(6)), 4.02 (dd, 2H, $^3J_{ax,eq}$ = 2.8 Hz, $^3J_{ax,ax}$ = 8.3 Hz, ProH(α)), 3.57-3.67 (m, 4H, ProH(δ)), 2.18-2.28 (m, 2H, ProH(β)), 1.88-2.04 (m, 6H, ProH(β), ProH(γ)) ppm; ^{13}C NMR (101 MHz, DMSO-d_6): δ =172.5 (ProCO), 166.8 (ANACO), 141.1 (ANAC(2)), 140.1 (ANAC(6)), 134.5 (ANAC(5)), 133.4 (ANAC(3)), 122.7 (ANAC(4)), 61.8 (ProC(α)), 47.0 (ProC(δ)), 31.1 (ProC(β)), 23.0 (ProC(γ)) ppm; IR (ATR): ν(bar) = 3324 (w), 3241 (w), 3200 (w), 3103 (w), 2980 (w), 2945 (w), 2884 (w), 1706 (s), 1603 (s), 1587 (s), 1556 (s), 1540 (s), 1459 (s), 1433 (s), 1413 (s), 1378 (m), 1361 (m), 1282 (m), 1205 (m), 1187 (s), 1097 (w), 1023 (w), 985 (w), 898 (m), 889 (m), 880 (m), 776 (m), 749 (m), 719 (m), 696 (w) cm^{-1}; MS (MALDI): *m/z* (%) = 435.3 $[M+H]^+$ (100), 457.3 $[M+Na]^+$ (92), 473.3 $[M+K]^+$ (21), 587.4 $[M+QCA+H]^+$ (5), 609.4 $[M+QCA+Na]^+$ (4); CHN calculated for $C_{22}H_{22}N_6O_4$ (M.W.: 434.45): C, 60.82; H, 5.10; N, 19.34; found: C, 60.66; H, 5.05; N, 19.31. Single crystals suitable for X-ray diffraction were obtained upon cooling a hot saturated solution of **2** in MeOH.

Synthesis of the Coordination Polymers

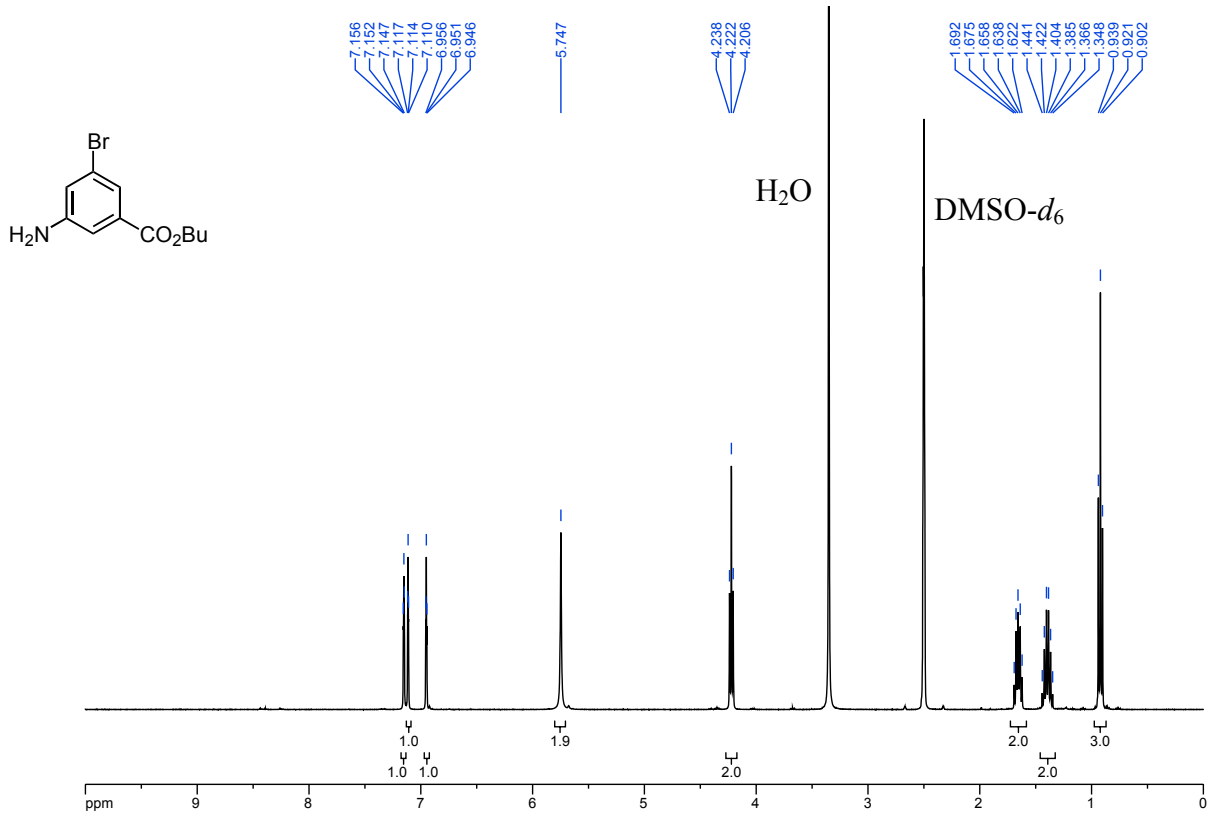
1·$HgCl_2$: In a test tube, a solution of **1** (2 mg, 3.41 μmol) in CH_2Cl_2/MeOH, 1:1 (*v/v*) (1 mL) was layered with a solution of $HgCl_2$ (2 mg, 7.37 μmol) in MeOH (1 mL). Colourless single crystals were obtained after one day.

1·$CdCl_2$: In a test tube, a solution of **1** (2 mg, 3.41 μmol) in CH_2Cl_2/MeOH, 1:1 (*v/v*) (1 mL) was layered with a solution of $CdCl_2 \cdot 2.5H_2O$ (2 mg, 8.76 μmol) in MeOH (1 mL). After two days, complete diffusion of the methanol solution was observed and upon slow evaporation of the solvents, colourless single crystals were obtained after three days.

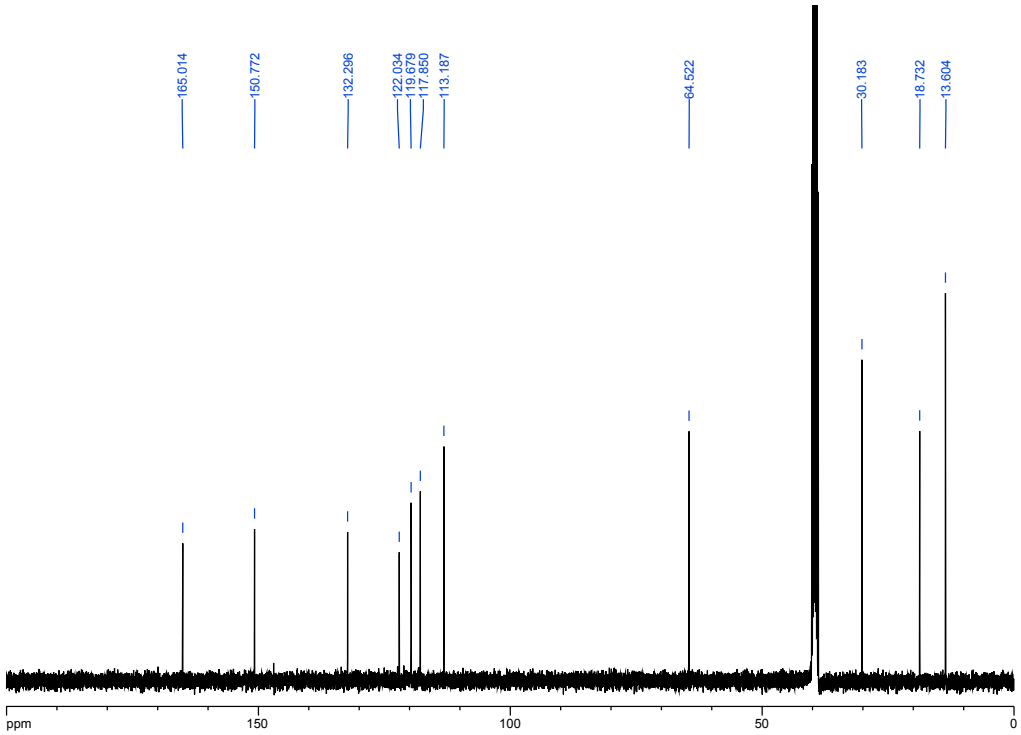
2·$HgCl_2$·CH_3OH: In a test tube, a solution of **2** (2 mg, 4.60 μmol) in CH_2Cl_2/MeOH, 1:1 (*v/v*) (1 mL) was layered with a solution of $HgCl_2$ (2.5 mg, 9.21 μmol) in MeOH (1 mL). After two days, complete diffusion of the methanol solution was observed and upon slow evaporation of the solvents, colourless single crystals were obtained after three days. The same coordination polymer was obtained by using 3.2 equiv of $HgCl_2$ (4 mg, 14.73 μmol) instead of 2 equiv.

^{1}H and ^{13}C NMR spectra and MALDI-TOF spectra

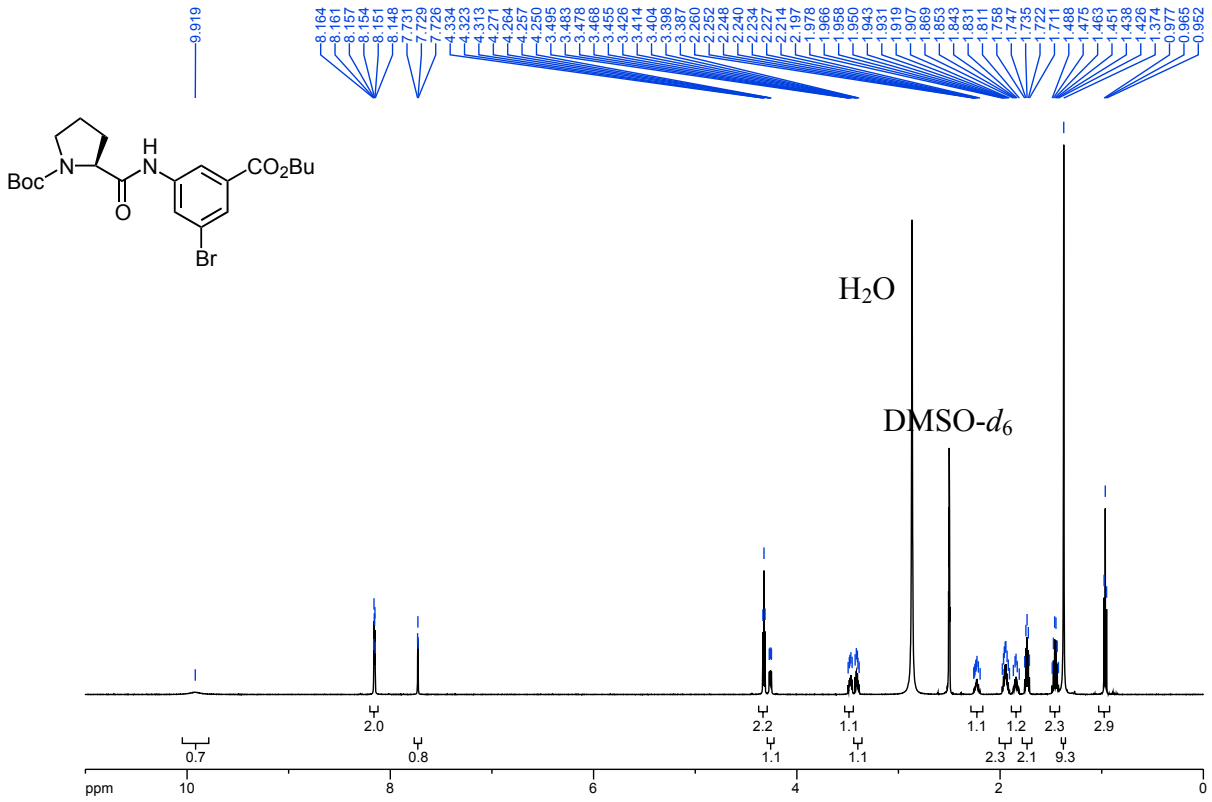
^{1}H NMR: Butyl 3-amino-5-bromobenzoate **3** (400 MHz, DMSO-d_6, 21 °C).



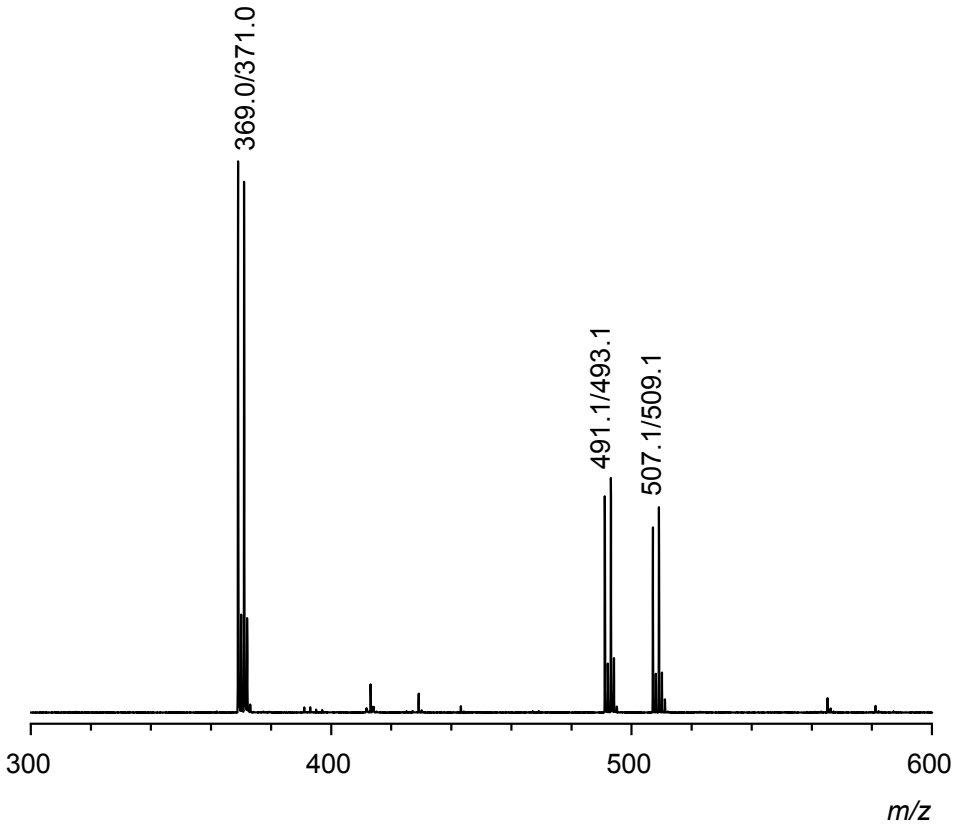
^{13}C NMR: Butyl 3-amino-5-bromobenzoate **3** (101 MHz, DMSO-d_6, 21 °C).



^{1}H NMR: Boc-Pro-(5-Br-ABA)-OBu **4** (600 MHz, DMSO-d_6, 100 °C).

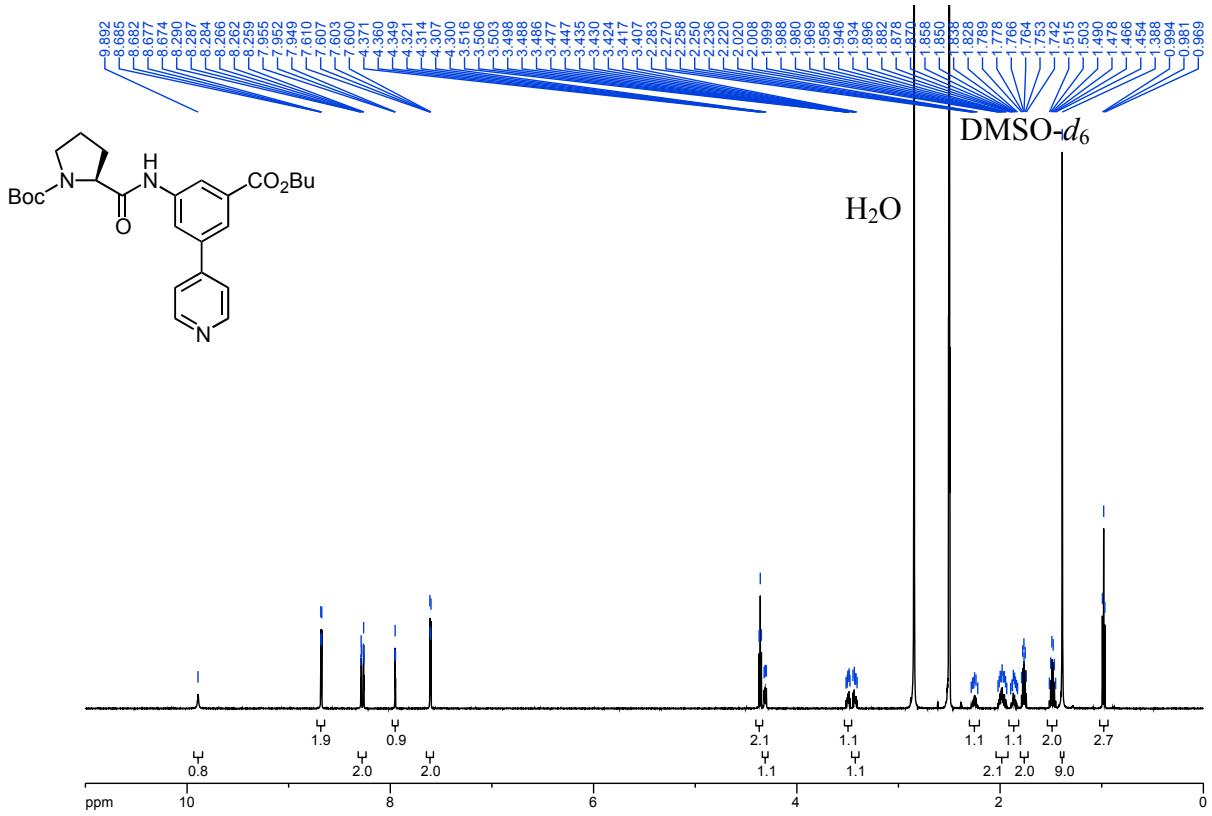


MALDI-TOF MS: Boc-Pro-(5-Br-ABA)-OBu **4** (positive mode).

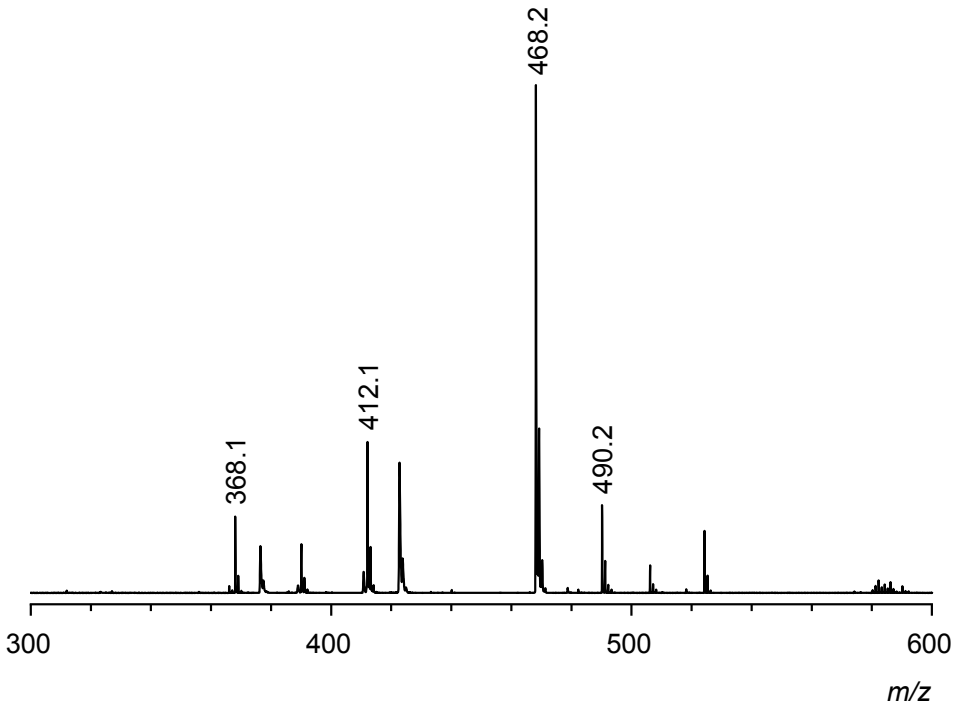


		m/z calcd.	*m/z exp.*
$[M\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{16}H_{21}N_2O_3Br + H^+$	369.1/371.1	369.0/371.0
$[M+Na]^+$	$C_{21}H_{29}N_2O_5Br + Na^+$	491.1/493.1	491.1/493.1
$[M+K]^+$	$C_{21}H_{29}N_2O_5Br + K^+$	507.1/509.1	507.1/509.1

^{1}H NMR: Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBu **5** (600 MHz, DMSO-d_6, 100 °C).

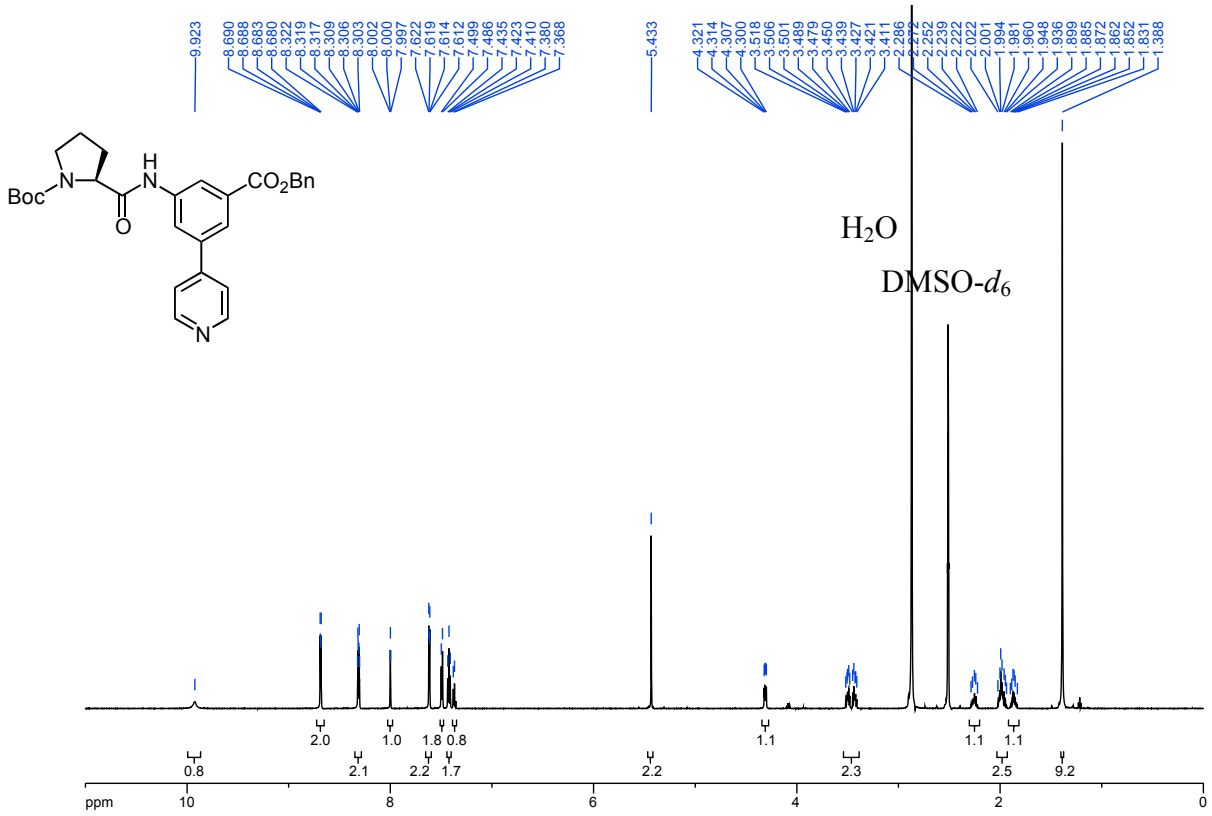


MALDI-TOF MS: Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBu **5** (positive mode).

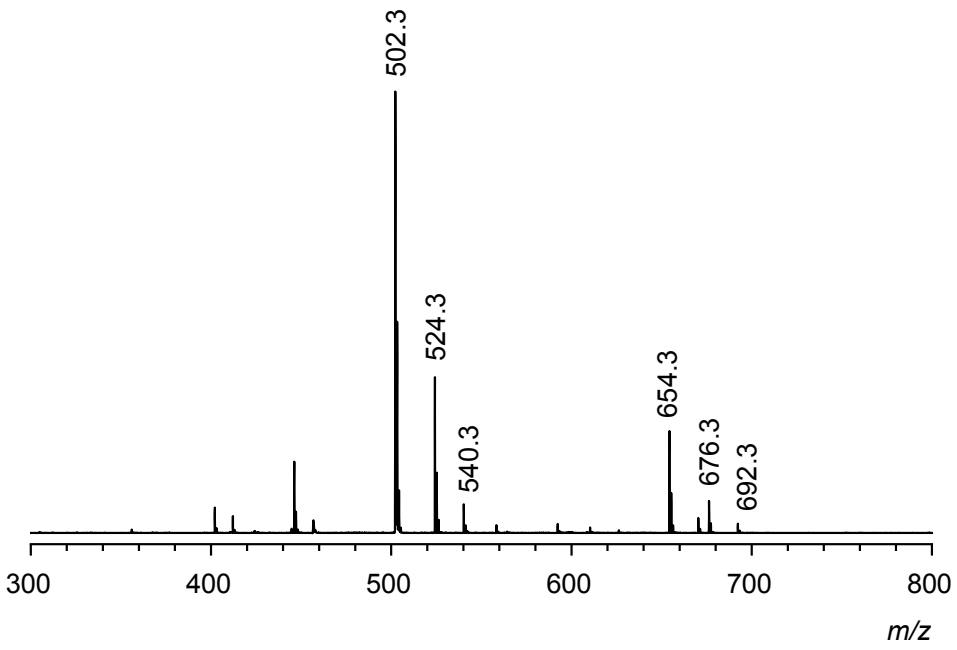


		m/z calcd.	*m/z exp.*
$[M\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{21}H_{25}N_3O_3 + H^+$	368.2	368.1
$[M\text{-}iso\text{-butene}+H]^+$	$C_{22}H_{25}N_3O_5 + H^+$	412.2	412.1
$[M+H]^+$	$C_{26}H_{33}N_3O_5 + H^+$	468.2	468.2
$[M+Na]^+$	$C_{26}H_{33}N_3O_5 + Na^+$	490.2	490.2

^{1}H NMR: Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBn **6** (600 MHz, DMSO-d_6, 100 °C).

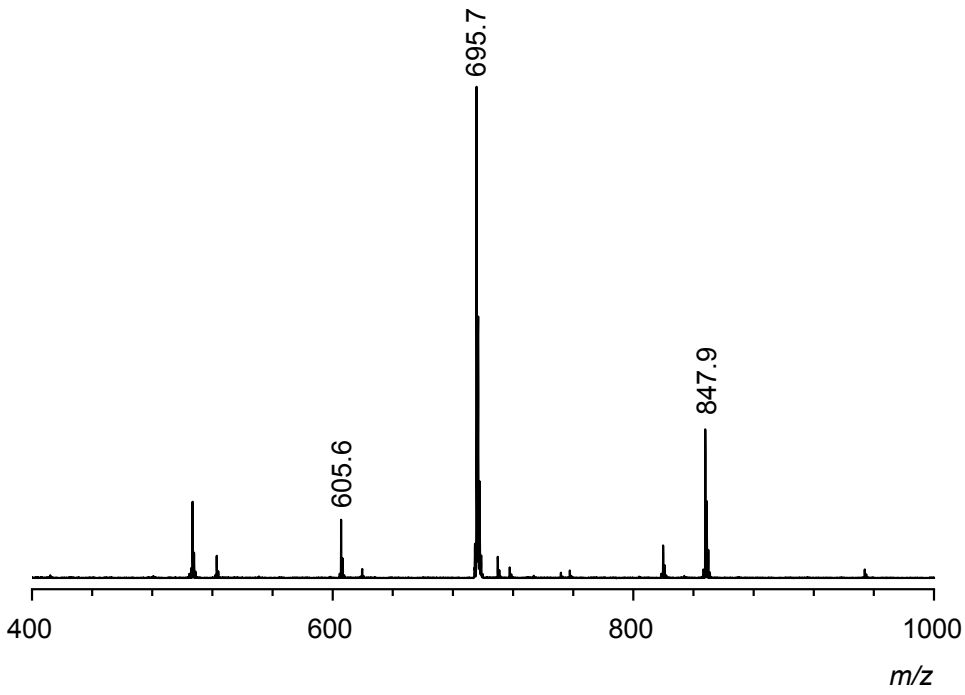


MALDI-TOF MS: Boc-Pro-(5-(Pyr-4-yl)-ABA)-OBn **6** (positive mode).



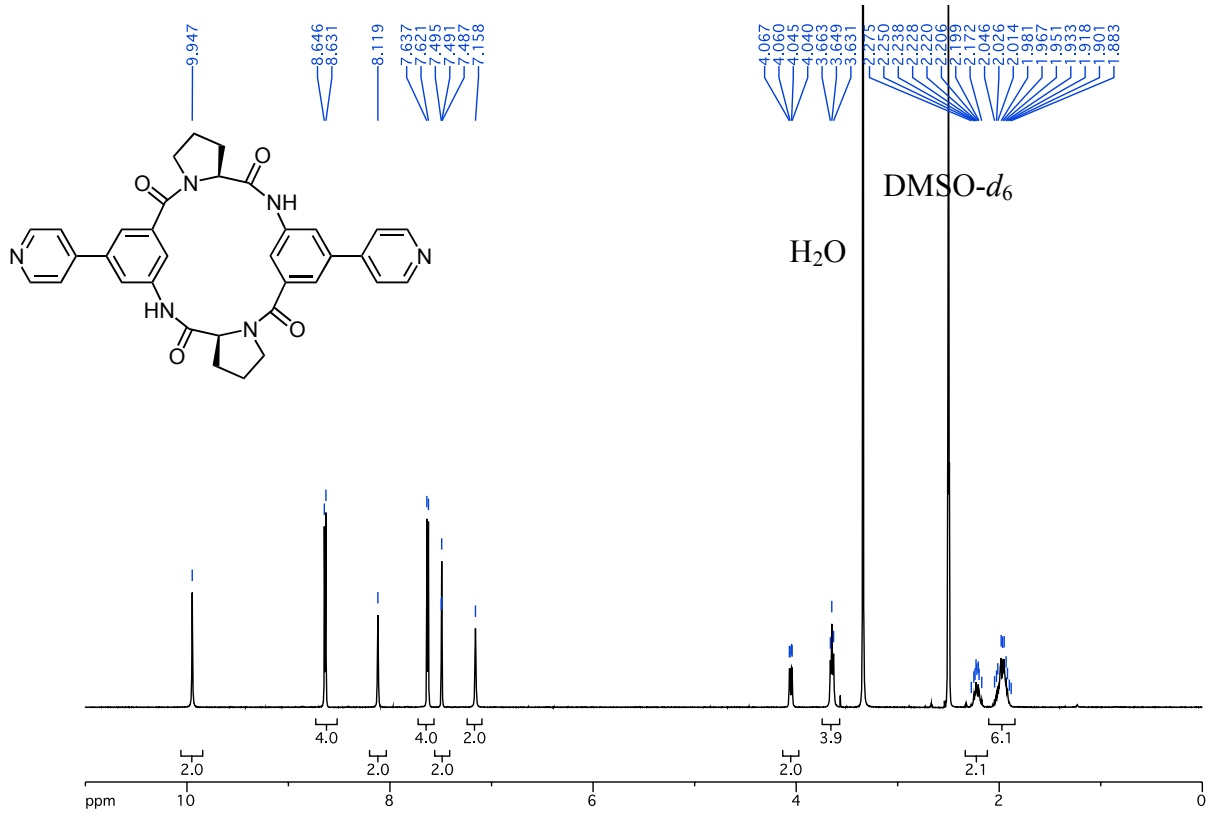
		m/z calcd.	*m/z exp.*
$[M+H]^+$	$C_{29}H_{31}N_3O_5 + H^+$	502.2	502.3
$[M+Na]^+$	$C_{29}H_{31}N_3O_5 + Na^+$	524.2	524.3
$[M+K]^+$	$C_{29}H_{31}N_3O_5 + K^+$	540.2	540.3
$[M+QCA+H]^+$	$C_{29}H_{31}N_3O_5 + C_7H_4O_4 + H^+$	654.2	654.3
$[M+QCA+Na]^+$	$C_{29}H_{31}N_3O_5 + C_7H_4O_4 + Na^+$	676.2	676.3
$[M+QCA+K]^+$	$C_{29}H_{31}N_3O_5 + C_7H_4O_4 + K^+$	692.2	692.3

MALDI-TOF MS: Boc-[Pro-(5-(Pyr-4-yl)-ABA)]$_2$-OBn **7** (positive mode).

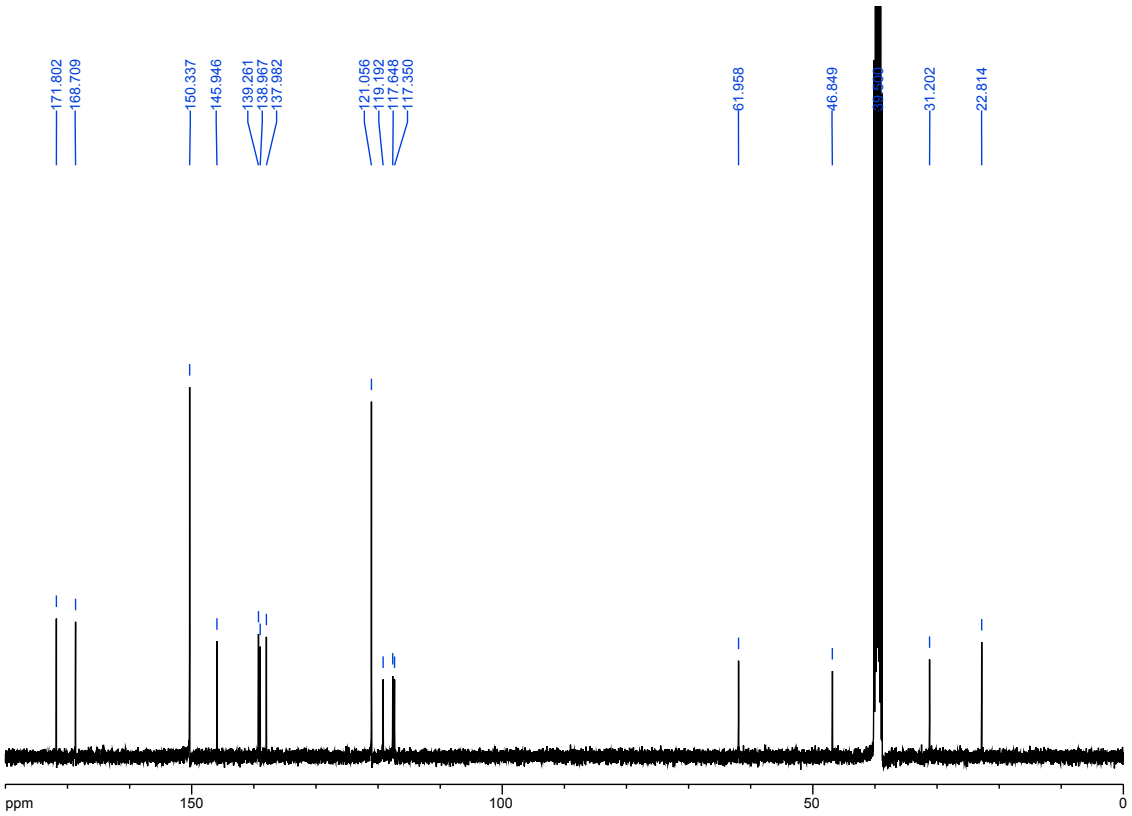


		m/z calcd.	*m/z exp.*
$[M\text{-}C_7H_6\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{34}H_{32}N_6O_5 + H^+$	605.3	605.6
$[M\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{41}H_{38}N_6O_5 + H^+$	695.3	695.7
$[M\text{-}iso\text{-butene-}CO_2+QCA+H]^+$	$C_{41}H_{38}N_6O_5 + C_7H_4O_4 + H^+$	847.3	847.9

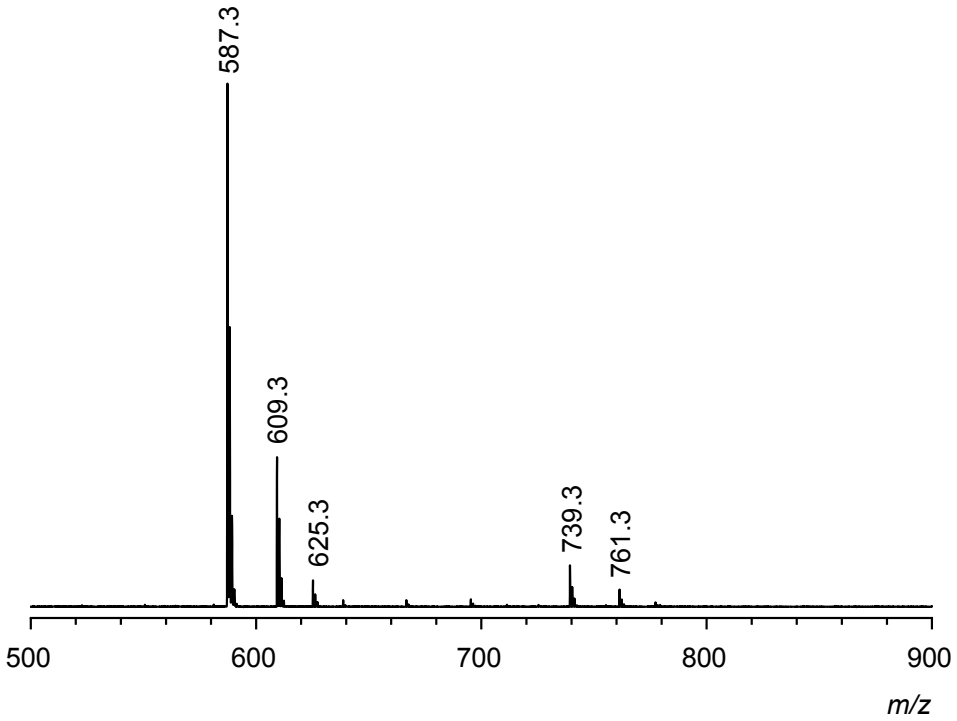
^{1}H NMR: *cyclo*[Pro-(5-(Pyr-4-yl)-ABA)]$_2$ **1** (400 MHz, DMSO-d_6, 21 °C).



^{13}C NMR: *cyclo*[Pro-(5-(Pyr-4-yl)-ABA)]$_2$ **1** (101 MHz, DMSO-d_6, 21 °C).

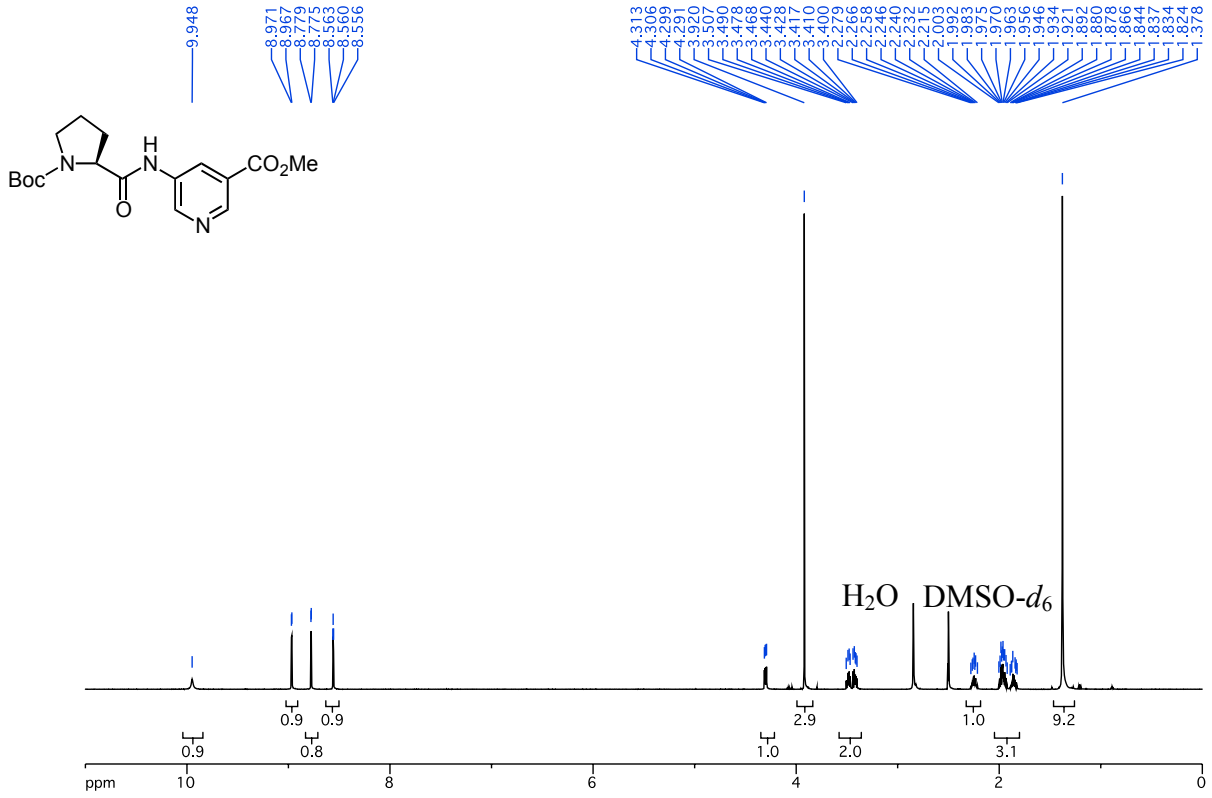


MALDI-TOF MS: *cyclo*[Pro-(5-(Pyr-4-yl)-ABA)]$_2$ **1** (positive mode).

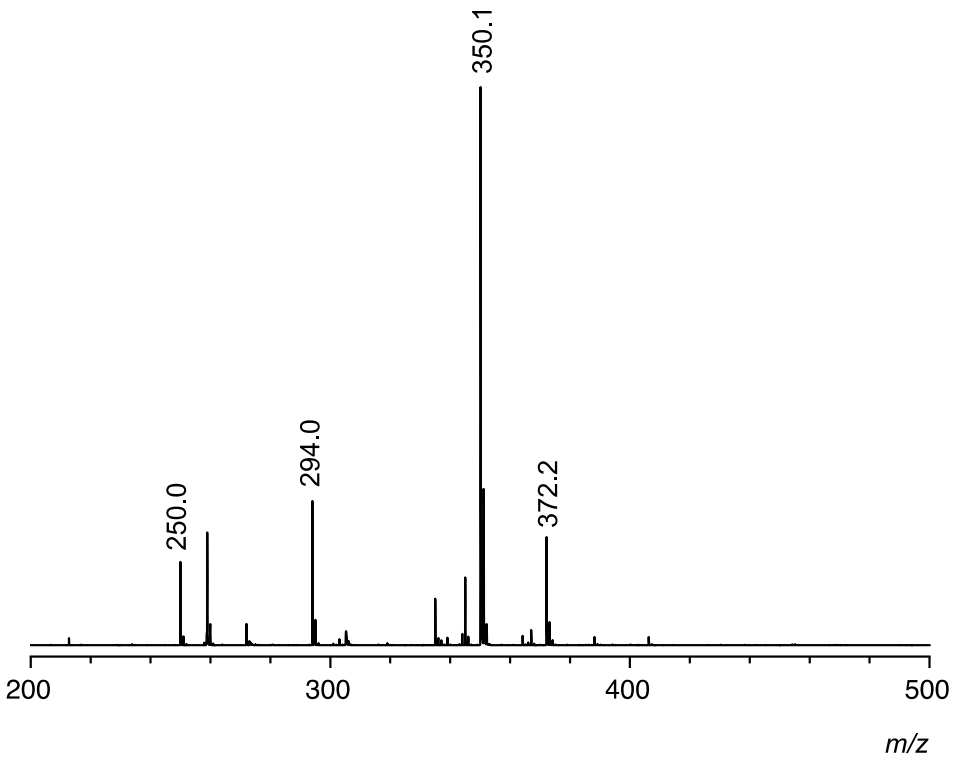


		m/z calcd.	*m/z exp.*
$[M+H]^+$	$C_{34}H_{30}N_6O_4 + H^+$	587.2	587.3
$[M+Na]^+$	$C_{34}H_{30}N_6O_4 + Na^+$	609.2	609.3
$[M+K]^+$	$C_{34}H_{30}N_6O_4 + K^+$	625.2	625.3
$[M+QCA+H]^+$	$C_{34}H_{30}N_6O_4 + C_7H_4O_4 + H^+$	739.3	739.3
$[M+QCA+Na]^+$	$C_{34}H_{30}N_6O_4 + C_7H_4O_4 + Na^+$	761.2	761.3

^{1}H NMR: Boc-Pro-ANA-OMe **9** (600 MHz, DMSO-d_6, 100 °C).

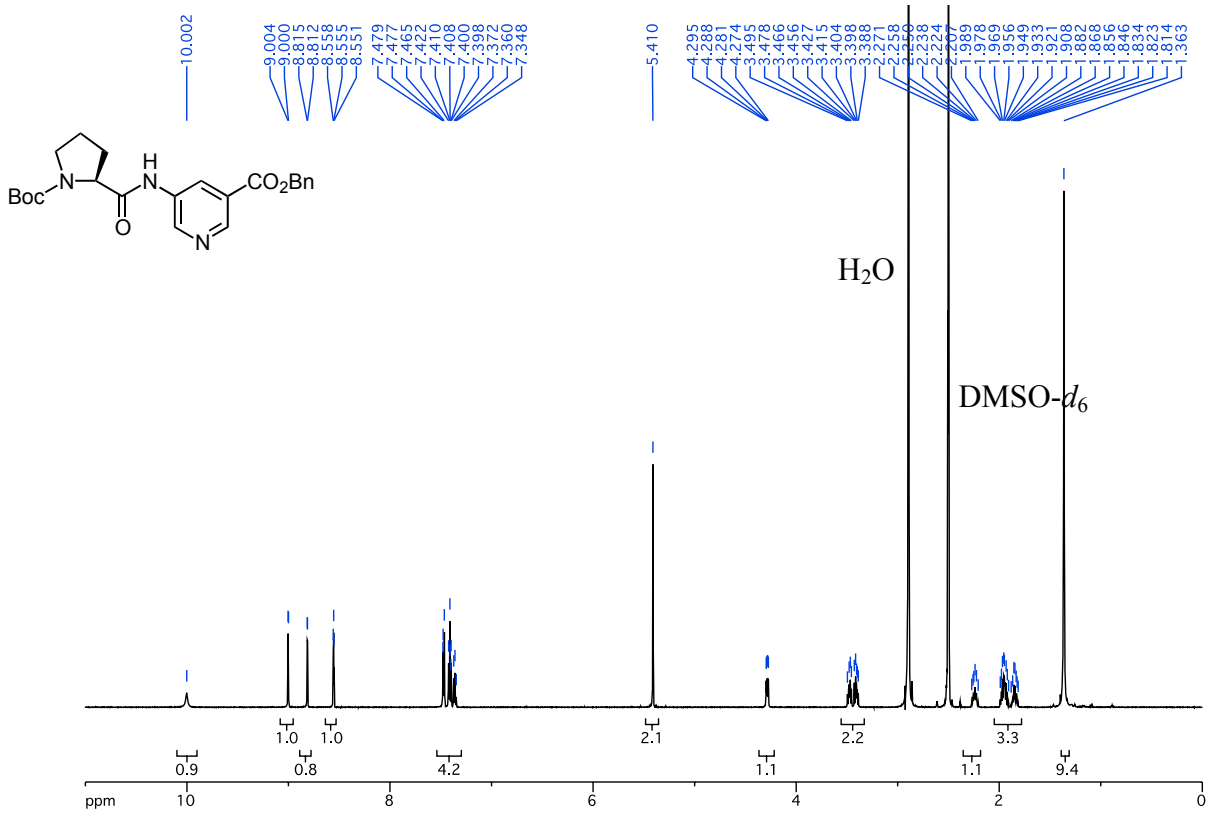


MALDI-TOF MS: Boc-Pro-ANA-OMe **9** (positive mode).

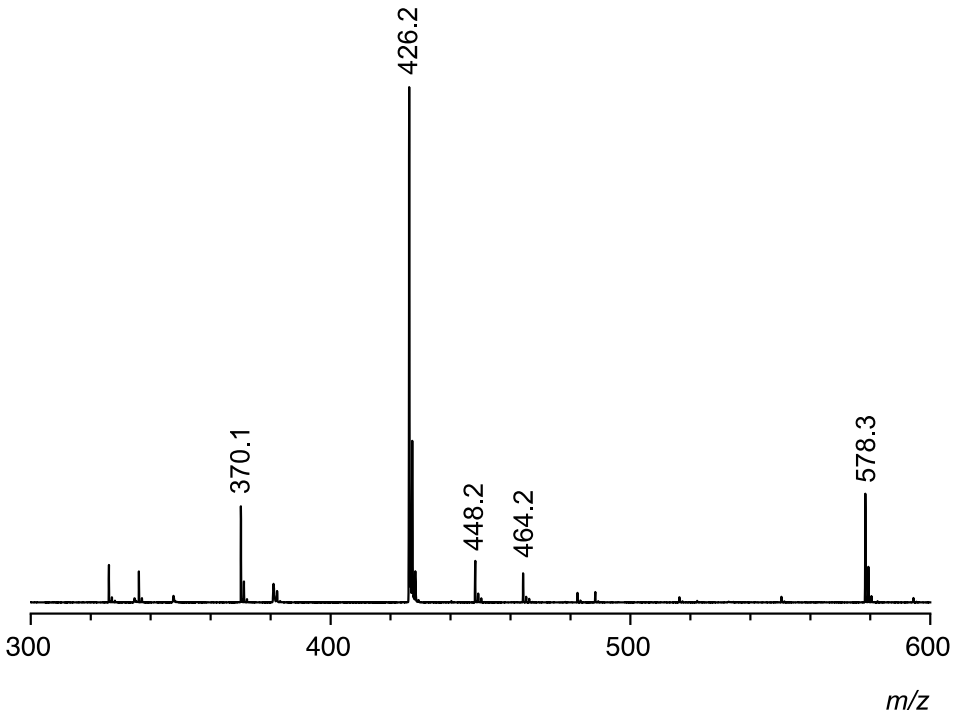


		m/z calcd.	*m/z exp.*
$[M\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{12}H_{15}N_3O_3 + H^+$	250.1	250.0
$[M\text{-}iso\text{-butene}+H]^+$	$C_{13}H_{15}N_3O_5 + H^+$	294.1	294.0
$[M+H]^+$	$C_{17}H_{23}N_3O_5 + H^+$	350.1	350.1
$[M+Na]^+$	$C_{17}H_{23}N_3O_5 + Na^+$	372.2	372.2

^{1}H NMR: Boc-Pro-ANA-OBn **10** (600 MHz, DMSO-d_6, 100 °C).

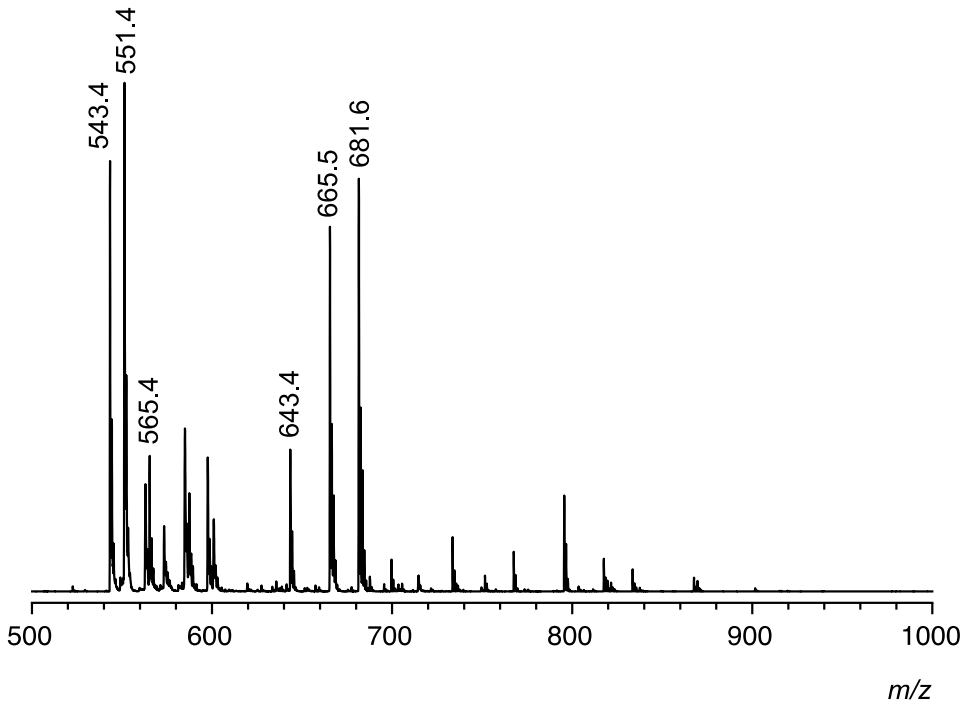


MALDI-TOF MS: Boc-Pro-ANA-OBn **10** (positive mode).



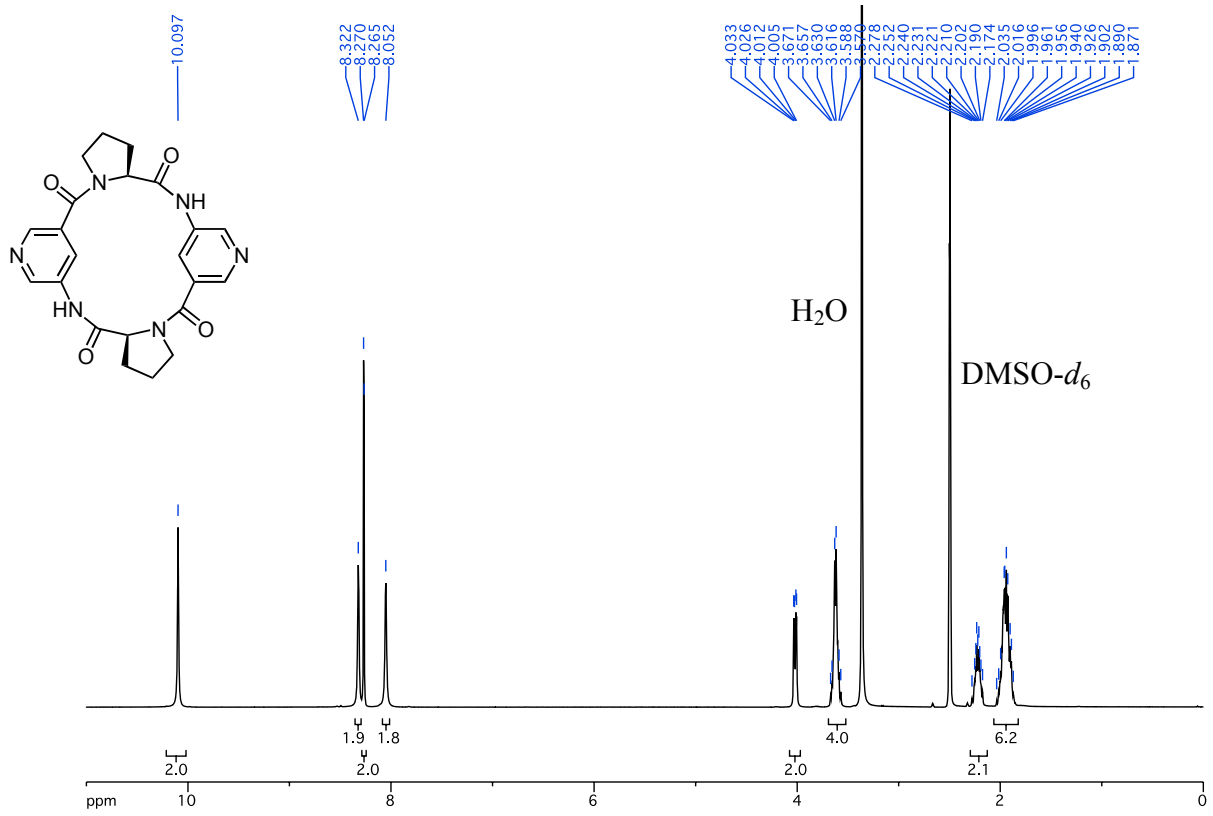
		m/z calcd.	*m/z exp.*
$[M\text{-}iso\text{-butene}+H]^+$	$C_{19}H_{19}N_3O_5 + H^+$	370.1	370.1
$[M+H]^+$	$C_{23}H_{27}N_3O_5 + H^+$	426.2	426.2
$[M+Na]^+$	$C_{23}H_{27}N_3O_5 + Na^+$	448.2	448.2
$[M+K]^+$	$C_{23}H_{27}N_3O_5 + K^+$	464.2	464.2
$[M+QCA+H]^+$	$C_{23}H_{27}N_3O_5 + C_7H_4O_4 + H^+$	578.2	578.2

MALDI-TOF MS: Boc-(Pro-ANA)$_2$-OBn **11** (positive mode).

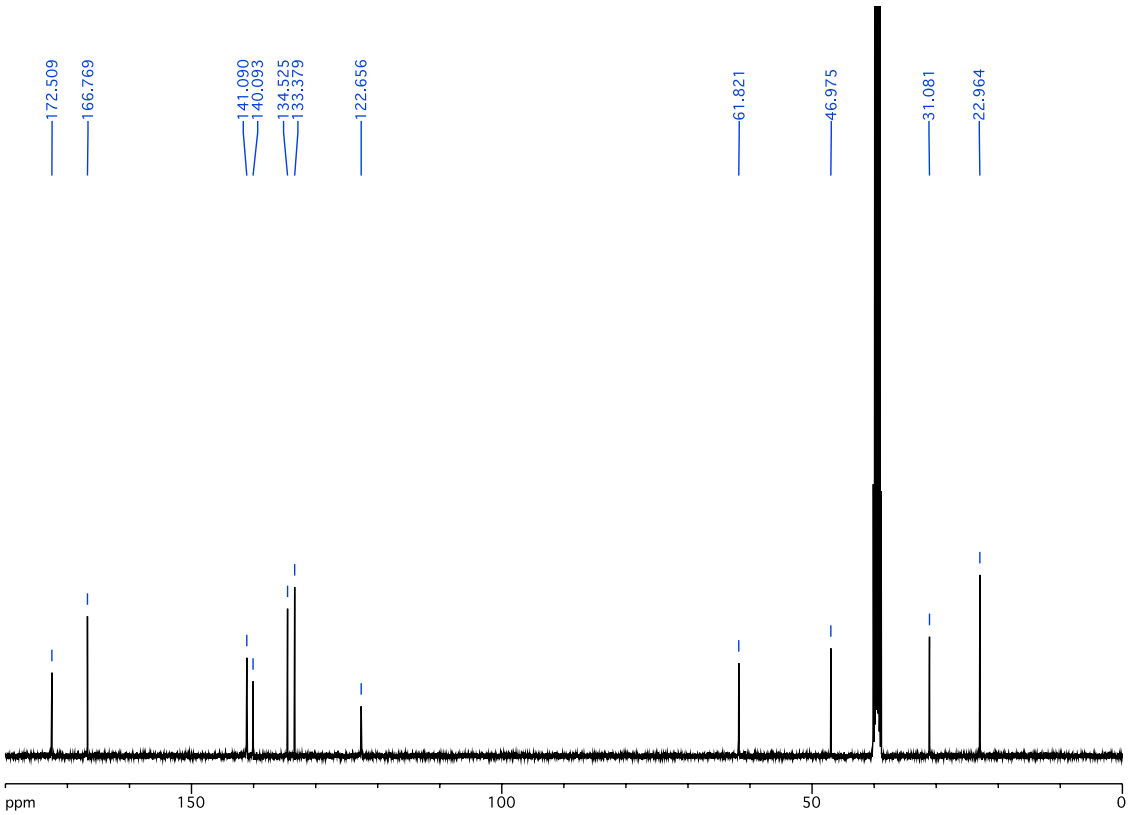


		m/z calcd.	*m/z exp.*
$[M\text{-}iso\text{-butene-}CO_2+H]^+$	$C_{29}H_{30}N_6O_5 + H^+$	543.2	543.4
peak cannot be assigned			551.4
$[M\text{-}iso\text{-butene-}CO_2+Na]^+$	$C_{29}H_{30}N_6O_5 + Na^+$	565.2	565.4
$[M+H]^+$	$C_{34}H_{38}N_6O_7 + H^+$	643.3	643.5
$[M+Na]^+$	$C_{34}H_{38}N_6O_7 + Na^+$	665.3	665.5
$[M+K]^+$	$C_{34}H_{38}N_6O_7 + K^+$	681.2	681.5

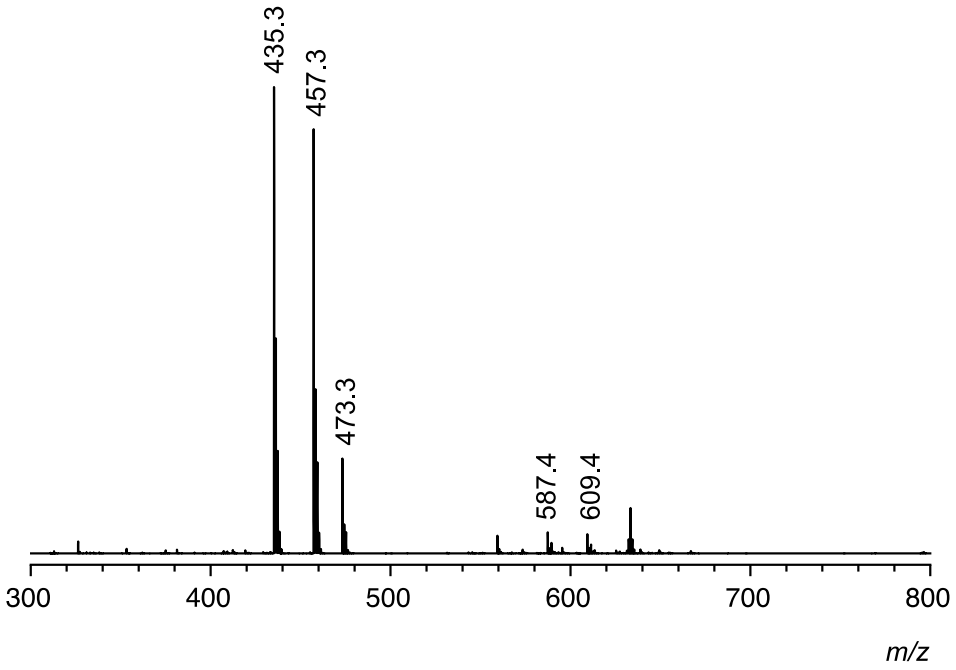
^{1}H NMR: *cyclo*[Pro-ANA)]$_2$ **2** (400 MHz, DMSO-d_6, 21 °C).



^{13}C NMR: *cyclo*[Pro-ANA]$_2$ **2** (101 MHz, DMSO-d_6, 21 °C).

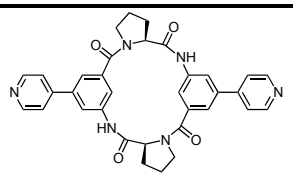


MALDI-TOF MS: *cyclo*[Pro-ANA]$_2$ **2** (positive mode).

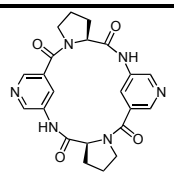


		m/z calcd.	*m/z exp.*
$[M+H]^+$	$C_{22}H_{22}N_6O_4 + H^+$	435.2	435.3
$[M+Na]^+$	$C_{22}H_{22}N_6O_4 + Na^+$	457.2	457.3
$[M+K]^+$	$C_{22}H_{22}N_6O_4 + K^+$	473.1	473.3
$[M+QCA+H]^+$	$C_{22}H_{22}N_6O_4 + C_7H_4O_4 + H^+$	587.2	587.4
$[M+QCA+Na]^+$	$C_{22}H_{22}N_6O_4 + C_7H_4O_4 + Na^+$	609.2	609.4

Crystallographic data

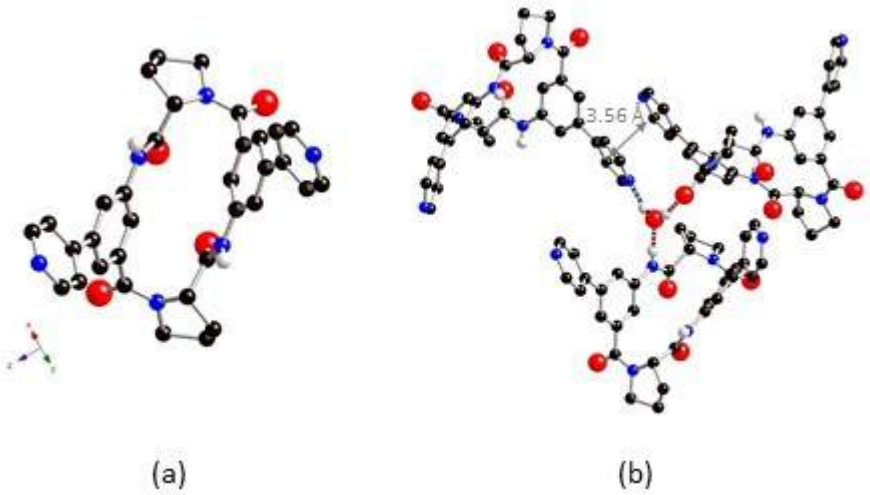
	 **1**	**1**·$CdCl_2$	**1**·$HgCl_2$
Formula	$C_{34}H_{30}N_6O_4$, C_2H_6O, $2H_2O$	$C_{34}H_{30}CdCl_2N_6O_4$	$C_{34}H_{30}Cl_2HgN_6O_4$
FW	668.74 g/mol	769.94 g/mol	858.13 g/mol
Crystal system	tetragonal	monoclinic	monoclinic
Space group	$P\,4_32_12$	$C\,2$	$C\,2$
a, Å	12.1013(3)	23.6335(14)	23.604(4)
b, Å	12.1013(3)	4.9941(2)	4.9826(8)
c, Å	24.5291(9)	18.5991(12)	18.294(3)
α, °	90	90	90
β, °	90	123.025(4)	124.204(3)
γ, °	90	90	90
V, Å^3	3592.1(2)	1840.54(19)	1779.4(5)
Z	4	2	2
T, K	173(2)	173(2)	173(2)
μ, mm^{-1}	0.087	0.782	4.520
Refls. coll.	83727	9361	6130
Ind. Refls. (R_{int})	5270 (0.0313)	9361 (0.0280)	4675 (0.0297)
R_1 (I>2σ(I))[a]	0.0999	0.0520	0.0443
wR_2 (I>2σ(I))[a]	0.3109	0.1504	0.1062
R_1 (all data)[a]	0.1147	0.0561	0.0486
wR_2 (all data)[a]	0.3351	0.1541	0.1086
GOF	1.079	1.025	1.030
Absolute structure parameter	0.24(19)	0.001(8)	0.006(13)

[a] $R_1 = \sum\big||F_0| - |F_c|\big|/\sum|F_0|$; $wR_2 = [\sum w(F_0^2 - F_c^2)^2/\sum wF_0^4]^{1/2}$

	 **2**	**2**·$HgCl_2$·CH_3OH
Formula	$C_{22}H_{22}N_6O_4$, 2 CH_3OH	$C_{66}H_{66}Cl_6Hg_3N_{18}O_{12}$, 3 CH_3OH
FW	498.54 g/mol	2213.96 g/mol
Crystal system	orthorhombic	orthorhombic
Space group	$P2_1\ 2_1\ 2_1$	$C\ 2\ 2\ 2_1$
a, Å	8.1558(2)	10.5415(4)
b, Å	12.8129(3)	23.0604(13)
c, Å	22.6191(4)	35.4200(14)
α, °	90	90
β, °	90	90
γ, °	90	90
V, $Å^3$	2363.68(9)	8610.3(7)
Z	4	4
T, K	150(2)	173(2)
μ, mm^{-1}	0.853	5.591
Refls. coll.	5130	14589
Ind. Refls. (R_{int})	3281 (0.0176)	6830 (0.0290)
R_1 (I>2σ(I))[a]	0.0395	0.0844
wR_2 (I>2σ(I))[a]	0.1051	0.2068
R_1 (all data)[a]	0.0399	0.0862
wR_2 (all data)[a]	0.1055	0.2076
GOF	1.085	1.005
Absolute structure parameter	-0.03(10)	0.02(1)

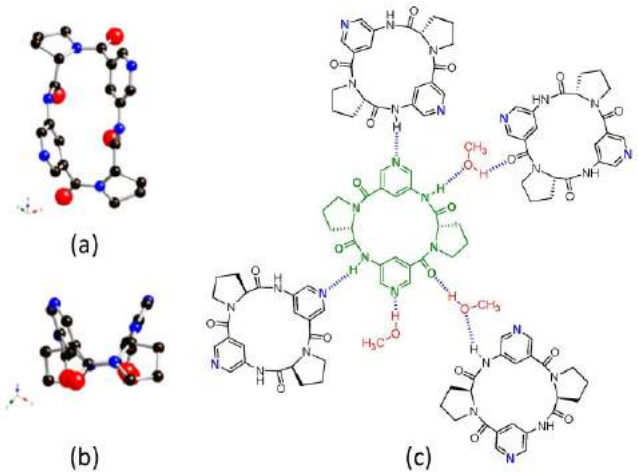
[a] $R_1 = \sum\big||F_0| - |F_c|\big|/\sum|F_0|$; $wR_2 = [\sum w(F_0^2 - F_c^2)^2/\sum wF_0^4]^{1/2}$

Crystal structure of **1** highlighting the hydrogen bonds between one water molecule and three distinct cyclopeptides (a) and the π-π interactions between pyridyl units belonging to two distinct cyclopeptides (b)



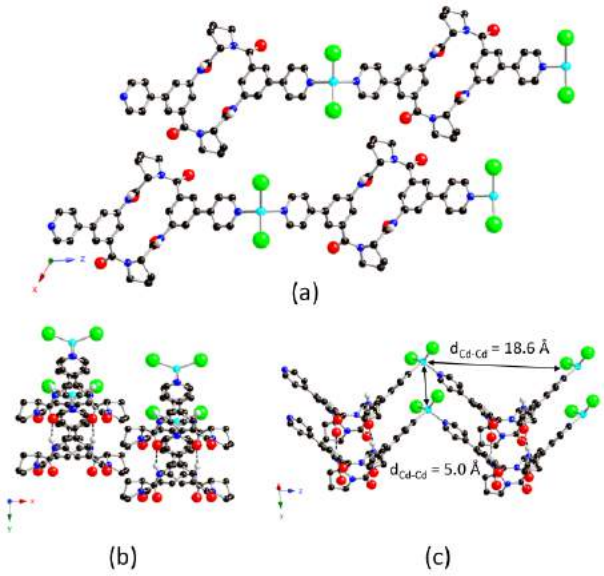
Except for the H atoms involved in H-bonds, all other H atoms have been omitted for clarity. The H bonds are represented in dotted lines. One water molecule bridges three cyclopeptides through H-bonds between the NH groups, the C=O units of the secondary amide function and the N atom belonging to the pyridyl moiety (distances: N_{NH}-O_{H2O} = 2.77 Å; $C_{C=O}$-O_{H2O}= 2.78 Å N_{Py}-O_{H2O} = 2.81 Å). Weak π-π interactions between pyridyl units of two distinct cyclic peptides are also observed (shortest C-C distance = 3.56 Å)

Crystal structure of **2** and Hydrogen bond patterns observed for one cyclopeptidic unit with methanol molecules and four other distinct cyclopeptides



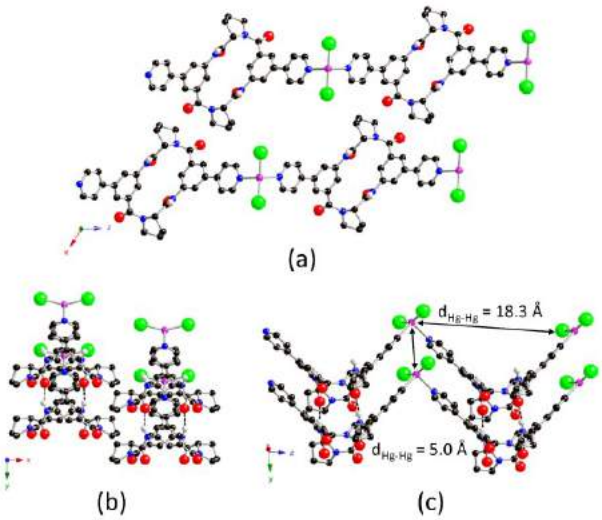
The two pyridyl units located on one cyclopeptide interact with two different H-bond donor groups, i.e. one methanol molecule (N_{Py}-$O_{methanol}$ = 2.84 Å) and one NH units of another cyclopeptide (N_{Py}-N_{NH} = 2.88 Å). The same holds for the two NH groups located on the cyclopeptide considered above that are connected through H-bonding to one pyridyl unit of a third cyclopeptide (N_{NH}-N_{Py} = 2.88 Å) and one methanol molecule (N_{Py}-$O_{methanol}$ = 2.81 Å) respectively. Finally, a rather short O···H distance is observed between one of the four C=O moieties and a methanol molecule ($O_{C=O}$-H_{CH3OH} = 1.90 Å, $O_{C=O}$-O_{CH3OH} = 2.72 Å).

Portions of the crystal structure of **1**·$CdCl_2$



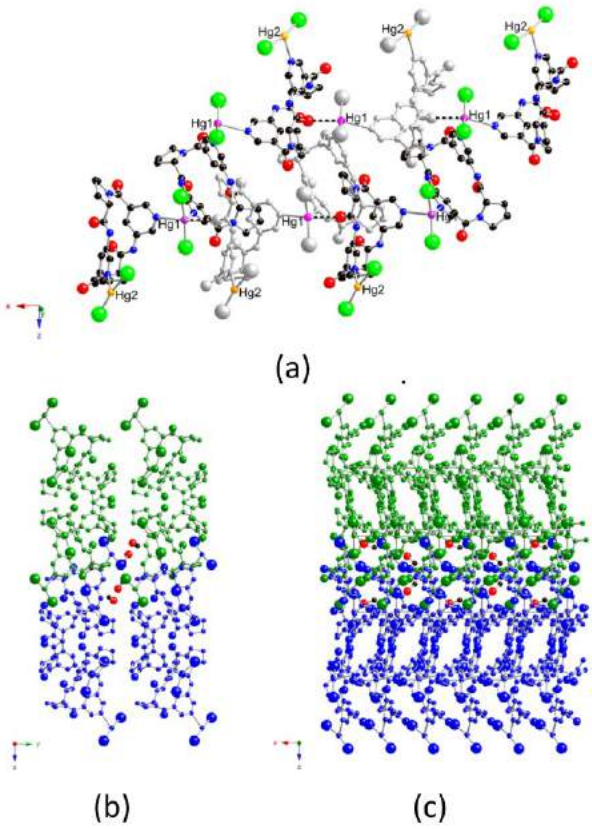
Portions of the crystal structure of the coordination polymer **1**·$CdCl_2$ along (a) the *b* axis, (b) the Cd-Cd axis and (c) perpendicular to the Cd-Cd axis of the polymer highlighting the staggered packing of parallel chains and showing the H-bonds between two cyclopeptides belonging to two distinct chains. H-bonds are depicted as dashed lines. Only the H atoms involved in H-bonding interactions are presented.

Portions of the crystal structure of **1**·$HgCl_2$



Portions of the crystal structure of the coordination polymer **1**·$HgCl_2$ along (a) the *b* axis, (b) the Hg-Hg axis of the polymer and (c) perpendicular to the Hg-Hg axis highlighting the staggered packing of parallel zig-zag chains and showing the H-bonds between two cyclopeptides belonging to two distinct chains. H-bonds are depicted as dashed lines. Only the H atoms involved in hydrogen bonding interactions are presented for clarity.

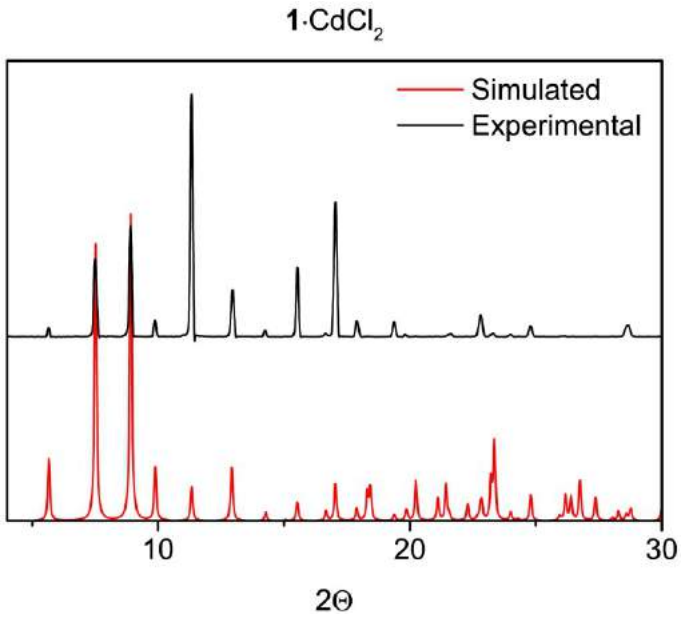
Portions of the crystal structure of **2**·$HgCl_2$·CH_3OH



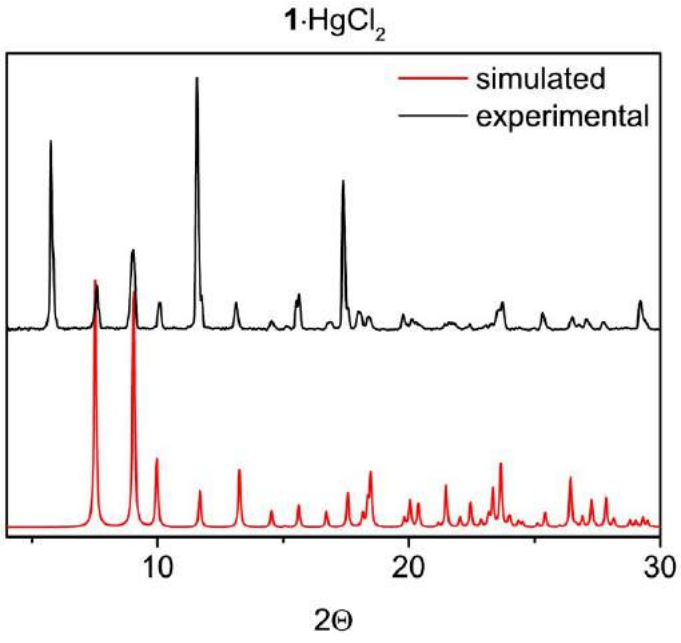
Portions of the crystal structure of the coordination network **2**·$HgCl_2$·CH_3OH along the axis of the network with one of the trimeric units coloured in grey to differentiate adjacent trimeric units (a), and packing of consecutive networks along the *a* and *b* axis (c and d respectively). Hg2 is represented in each trimeric unit even though its site occupancy is 0.5. The Hg-O bond is depicted as a dotted line. H atoms and solvent molecules are not represented for clarity. Consecutive networks are differentiated by colours.

Powder X-Ray diffraction

PXRD patterns simulated from single-crystal data (red) and experimentally obtained on crystalline material (black) for **1**·$CdCl_2$.



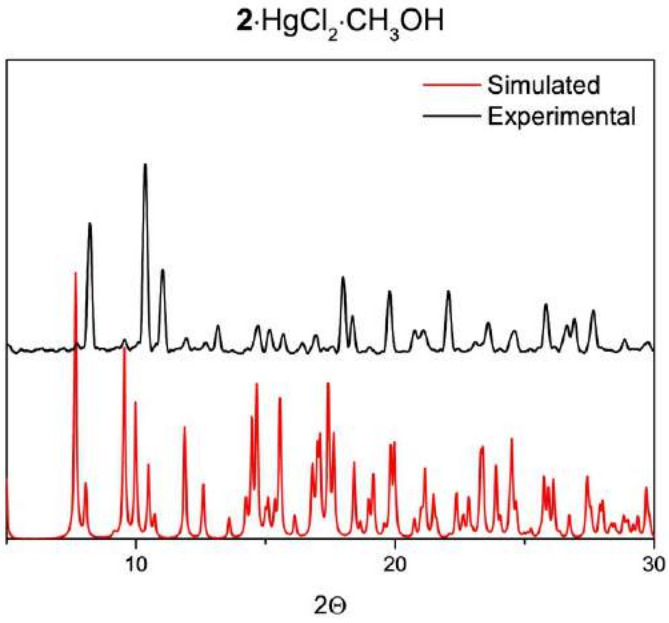
PXRD patterns simulated from single-crystal data (red) and experimentally obtained on crystalline material (black) for **1**·$HgCl_2$.



As already demonstrated and currently admitted, for all compounds, discrepancies in intensity between the observed and simulated patterns are due to preferential orientations of the microcrystalline powders.

Furthermore, for **1**·$HgCl_2$, the peak at *ca.* 5.8° is not visible on the simulated pattern while it is observed on the experimental pattern. However, even though this peak is present on the simulated pattern it is not visible because of its extremely low intensity, as evidenced by the reflexion list given below.

PXRD patterns simulated from single-crystal data (red) and experimentally obtained on crystalline material (black) for **2**·$HgCl_2$·CH_3OH.



As already demonstrated and currently admitted, for all compounds, discrepancies in intensity between the observed and simulated patterns are due to preferential orientations of the microcrystalline powders.

Reflexions list for **1**·$CdCl_2$ generated by CrystalDiffract 6 for OsX from single-crystal data

h	k	l	d(hkl)	2-Theta	Intensity	I/Imax	m	N	Lp
0	0	1	15.59410	5.6624	2.01601e+00	20.3%	2	1	204.192
2	0	-1	11.74875	7.5180	8.95512e+00	90.3%	2	5	115.583
2	0	0	9.90755	8.9178	9.91660e+00	100.0%	2	4	81.980
2	0	-2	8.93489	9.8909	1.77063e+00	17.9%	2	8	66.535
0	0	2	7.79705	11.3387	1.09203e+00	11.0%	2	4	50.492
2	0	1	6.84308	12.9257	1.74710e+00	17.6%	2	5	38.724
2	0	-3	6.19787	14.2780	2.63304e-01	2.7%	2	13	31.634
4	0	-2	5.87438	15.0687	3.09139e-02	0.3%	2	20	28.344
4	0	-1	5.70247	15.5257	5.88609e-01	5.9%	2	17	26.668
4	0	-3	5.31272	16.6725	3.32580e-01	3.4%	2	25	23.052
0	0	3	5.19803	17.0431	1.19820e+00	12.1%	2	9	22.036
2	0	2	4.95397	17.8894	1.24415e-01	1.3%	2	8	19.950
4	0	0	4.95378	17.8901	2.91680e-01	2.9%	2	16	19.948
1	1	0	4.84266	18.3041	9.33166e-01	9.4%	4	2	19.032
-1	1	1	4.80980	18.4303	5.30070e-01	5.3%	2	3	18.764
1	1	-1	4.80980	18.4303	5.34945e-01	5.4%	2	3	18.764
2	0	-4	4.57566	19.3822	1.99203e-01	2.0%	2	20	16.914
4	0	-4	4.46744	19.8564	2.80603e-01	2.8%	2	32	16.091
1	1	1	4.45961	19.8916	5.26625e-02	0.5%	2	3	16.032
1	-1	1	4.45961	19.8916	6.41312e-02	0.6%	2	3	16.032
-1	1	2	4.38380	20.2392	6.80682e-01	6.9%	2	6	15.468
1	1	-2	4.38380	20.2392	6.67317e-01	6.7%	2	6	15.468
3	1	-1	4.20532	21.1079	3.82569e-01	3.9%	2	11	14.177
-3	1	1	4.20532	21.1079	3.87158e-01	3.9%	2	11	14.177
3	1	-2	4.14157	21.4366	5.98498e-01	6.0%	2	14	13.730
-3	1	2	4.14157	21.4366	6.11543e-01	6.2%	2	14	13.730
4	0	1	4.11790	21.5613	1.72225e-01	1.7%	2	17	13.565
3	1	0	3.98358	22.2975	5.82218e-01	5.9%	4	10	12.650
6	0	-3	3.91625	22.6858	8.99265e-02	0.9%	2	45	12.203
0	0	4	3.89852	22.7903	1.77446e-01	1.8%	2	16	12.086
6	0	-2	3.89823	22.7921	1.50537e-01	1.5%	2	40	12.084
1	1	2	3.88821	22.8516	3.15450e-01	3.2%	2	6	12.018
1	-1	2	3.88821	22.8516	3.09460e-01	3.1%	2	6	12.018
-3	1	3	3.82699	23.2222	6.04587e-01	6.1%	2	19	11.621
3	1	-3	3.82699	23.2222	5.73211e-01	5.8%	2	19	11.621
2	0	3	3.82463	23.2368	1.34565e-01	1.4%	2	13	11.606
-1	1	3	3.80503	23.3581	1.29386e+00	13.0%	2	11	11.480
1	1	-3	3.80503	23.3581	1.27547e+00	12.9%	2	11	11.480
6	0	-4	3.70568	23.9935	1.86138e-01	1.9%	2	52	10.853
4	0	-5	3.70104	24.0241	1.08217e-01	1.1%	2	41	10.824
6	0	-1	3.66042	24.2947	5.87253e-02	0.6%	2	37	10.573

3	1	1	3.58722	24.7983	1.52031e-01	1.5%	2	11	10.127
3	-1	1	3.58722	24.7983	1.71565e-01	1.7%	2	11	10.127
2	0	-5	3.58706	24.7994	5.00679e-01	5.0%	2	29	10.126
5	1	-2	3.43119	25.9452	6.47336e-02	0.7%	2	30	9.207
-5	1	2	3.43119	25.9452	8.07706e-02	0.8%	2	30	9.207
4	0	2	3.42154	26.0196	3.25547e-02	0.3%	2	20	9.152
-3	1	4	3.40046	26.1838	4.21330e-01	4.2%	2	26	9.031
3	1	-4	3.40046	26.1838	4.17266e-01	4.2%	2	26	9.031
5	1	-3	3.37362	26.3958	3.92645e-01	4.0%	2	35	8.878
-5	1	3	3.37362	26.3958	3.87258e-01	3.9%	2	35	8.878
6	0	-5	3.35830	26.5185	1.44139e-02	0.1%	2	61	8.792
1	1	3	3.32900	26.7562	5.19769e-01	5.2%	2	11	8.627
1	-1	3	3.32900	26.7562	4.92963e-01	5.0%	2	11	8.627
5	1	-1	3.32888	26.7571	1.76418e-01	1.8%	2	27	8.627
-5	1	1	3.32888	26.7571	1.70520e-01	1.7%	2	27	8.627
6	0	0	3.30252	26.9748	3.61414e-03	0.0%	2	36	8.480
-1	1	4	3.25598	27.3678	3.98589e-01	4.0%	2	18	8.224
1	1	-4	3.25598	27.3678	3.94567e-01	4.0%	2	18	8.224
-5	1	4	3.17803	28.0526	4.97079e-02	0.5%	2	42	7.803
5	1	-4	3.17803	28.0526	4.91458e-02	0.5%	2	42	7.803
3	1	2	3.15235	28.2858	1.58806e-01	1.6%	2	14	7.667
3	-1	2	3.15235	28.2858	1.70270e-01	1.7%	2	14	7.667
0	0	5	3.11882	28.5964	2.06238e-01	2.1%	2	25	7.491
5	1	0	3.10436	28.7325	1.16848e-01	1.2%	4	26	7.415
4	0	-6	3.09894	28.7838	3.27466e-01	3.3%	2	52	7.387
2	0	4	3.09783	28.7943	4.41116e-04	0.0%	2	20	7.381
6	0	-6	2.97830	29.9765	6.15465e-02	0.6%	2	72	6.773
-3	1	5	2.97601	30.0000	1.58718e-01	1.6%	2	35	6.761
3	1	-5	2.97601	30.0000	1.72498e-01	1.7%	2	35	6.761
8	0	-3	2.94438	30.3301	3.23614e-01	3.3%	2	73	6.605
2	0	-6	2.93739	30.4039	3.91397e-02	0.4%	2	40	6.570
8	0	-4	2.93719	30.4061	1.88596e-03	0.0%	2	80	6.569
6	0	1	2.92396	30.5470	7.85645e-02	0.8%	2	37	6.504
-5	1	5	2.90639	30.7362	1.19819e-01	1.2%	2	51	6.419
5	1	-5	2.90639	30.7362	1.23753e-01	1.2%	2	51	6.419
4	0	3	2.88566	30.9626	1.69302e-01	1.7%	2	25	6.318
1	1	4	2.85659	31.2857	2.66154e-02	0.3%	2	18	6.179
1	-1	4	2.85659	31.2857	1.43660e-02	0.1%	2	18	6.179
8	0	-2	2.85124	31.3459	2.21328e-03	0.0%	2	68	6.153
8	0	-5	2.83178	31.5668	1.25642e-02	0.1%	2	89	6.061
5	1	1	2.82260	31.6722	4.44584e-02	0.4%	2	27	6.017
5	-1	1	2.82260	31.6722	4.85656e-02	0.5%	2	27	6.017
-1	1	5	2.79716	31.9679	4.01989e-02	0.4%	2	27	5.898
1	1	-5	2.79716	31.9679	4.51345e-02	0.5%	2	27	5.898
7	1	-3	2.79702	31.9696	1.24134e-02	0.1%	2	59	5.897
-7	1	3	2.79702	31.9696	2.01576e-02	0.2%	2	59	5.897

3	1	3	2.75476	32.4735	7.37929e-02	0.7%	2	19	5.701
3	-1	3	2.75476	32.4735	6.77849e-02	0.7%	2	19	5.701
7	1	-4	2.75329	32.4913	9.78442e-02	1.0%	2	66	5.694
-7	1	4	2.75329	32.4913	9.51615e-02	1.0%	2	66	5.694
7	1	-2	2.75288	32.4963	1.68223e-01	1.7%	2	54	5.692
-7	1	2	2.75288	32.4963	1.58095e-01	1.6%	2	54	5.692
8	0	-1	2.68325	33.3638	1.00286e-01	1.0%	2	65	5.376
8	0	-6	2.65636	33.7116	1.95038e-02	0.2%	2	100	5.257
4	0	-7	2.64001	33.9267	2.84113e-01	2.9%	2	65	5.184
7	1	-5	2.63310	34.0185	4.81066e-02	0.5%	2	75	5.154
-7	1	5	2.63310	34.0185	4.46037e-02	0.4%	2	75	5.154
7	1	-1	2.63239	34.0279	4.29104e-02	0.4%	2	51	5.151
-7	1	1	2.63239	34.0279	4.19754e-02	0.4%	2	51	5.151
6	0	-7	2.62585	34.1152	8.71619e-02	0.9%	2	85	5.122
-5	1	6	2.61729	34.2303	5.00538e-02	0.5%	2	62	5.085
5	1	-6	2.61729	34.2303	5.64571e-02	0.6%	2	62	5.085
-3	1	6	2.60324	34.4208	7.31661e-02	0.7%	2	46	5.024
3	1	-6	2.60324	34.4208	8.42497e-02	0.8%	2	46	5.024
0	0	6	2.59902	34.4785	6.67719e-03	0.1%	2	36	5.005
2	0	5	2.59701	34.5059	7.80536e-03	0.1%	2	29	4.997
6	0	2	2.57798	34.7688	1.89729e-01	1.9%	2	40	4.915
5	1	2	2.53599	35.3633	7.73068e-02	0.8%	2	30	4.736
5	-1	2	2.53599	35.3633	7.97557e-02	0.8%	2	30	4.736
0	2	0	2.49705	35.9334	1.11798e-01	1.1%	2	4	4.573
2	0	-7	2.48221	36.1556	4.68501e-02	0.5%	2	53	4.512
4	0	4	2.47699	36.2345	9.38289e-02	0.9%	2	32	4.490
8	0	0	2.47689	36.2360	6.16128e-02	0.6%	2	64	4.490
1	1	5	2.47624	36.2458	4.33486e-02	0.4%	2	27	4.487
1	-1	5	2.47624	36.2458	5.35089e-02	0.5%	2	27	4.487
0	2	1	2.46564	36.4071	4.40315e-03	0.0%	2	5	4.443
0	2	-1	2.46564	36.4071	4.40466e-03	0.0%	2	5	4.443
-7	1	6	2.46351	36.4397	7.40547e-03	0.1%	2	86	4.435
7	1	-6	2.46351	36.4397	7.32199e-03	0.1%	2	86	4.435
7	1	0	2.46264	36.4530	6.26904e-02	0.6%	4	50	4.431
8	0	-7	2.44736	36.6887	4.38943e-03	0.0%	2	113	4.369
2	2	-1	2.44249	36.7644	4.66188e-02	0.5%	2	9	4.349
-2	2	1	2.44249	36.7644	4.64923e-02	0.5%	2	9	4.349
-1	1	6	2.42881	36.9790	4.62390e-02	0.5%	2	38	4.294
1	1	-6	2.42881	36.9790	4.37306e-02	0.4%	2	38	4.294
2	2	0	2.42133	37.0974	3.44418e-02	0.3%	4	8	4.264
3	1	4	2.41724	37.1624	7.73645e-03	0.1%	2	26	4.247
3	-1	4	2.41724	37.1624	3.13513e-03	0.0%	2	26	4.247
-2	2	2	2.40490	37.3602	2.63764e-02	0.3%	2	12	4.198
2	2	-2	2.40490	37.3602	2.74629e-02	0.3%	2	12	4.198
0	2	2	2.37807	37.7975	1.92183e-02	0.2%	2	8	4.092
0	2	-2	2.37807	37.7975	2.08500e-02	0.2%	2	8	4.092

10	0	-4	2.36109	38.0799	3.14395e-02	0.3%	2	116	4.025
10	0	-5	2.34975	38.2707	1.66364e-01	1.7%	2	125	3.981
2	2	1	2.34576	38.3384	3.63921e-02	0.4%	2	9	3.965
2	-2	1	2.34576	38.3384	3.67973e-02	0.4%	2	9	3.965
-5	1	7	2.34531	38.3460	7.63741e-02	0.8%	2	75	3.963
5	1	-7	2.34531	38.3460	8.00148e-02	0.8%	2	75	3.963
9	1	-4	2.32373	38.7163	3.89684e-02	0.4%	2	98	3.880
-9	1	4	2.32373	38.7163	3.70713e-02	0.4%	2	98	3.880
6	0	-8	2.32151	38.7547	9.74310e-02	1.0%	2	100	3.871
10	0	-3	2.31950	38.7897	1.05024e-01	1.1%	2	109	3.864
-2	2	3	2.31614	38.8482	2.98954e-02	0.3%	2	17	3.851
2	2	-3	2.31614	38.8482	3.40754e-02	0.3%	2	17	3.851
9	1	-3	2.30536	39.0371	2.47625e-02	0.2%	2	91	3.810
-9	1	3	2.30536	39.0371	2.27168e-02	0.2%	2	91	3.810
4	2	-2	2.29805	39.1664	1.11315e-01	1.1%	2	24	3.782
-4	2	2	2.29805	39.1664	1.12019e-01	1.1%	2	24	3.782
-3	1	7	2.29152	39.2827	7.07579e-02	0.7%	2	59	3.757
3	1	-7	2.29152	39.2827	7.55212e-02	0.8%	2	59	3.757
9	1	-5	2.29140	39.2848	2.59362e-02	0.3%	2	107	3.757
-9	1	5	2.29140	39.2848	2.63858e-02	0.3%	2	107	3.757
4	0	-8	2.28783	39.3486	1.24517e-02	0.1%	2	80	3.743
10	0	-6	2.28769	39.3510	9.16767e-04	0.0%	2	136	3.743
4	2	-1	2.28736	39.3569	2.31797e-02	0.2%	2	21	3.741
-4	2	1	2.28736	39.3569	3.02897e-02	0.3%	2	21	3.741
6	0	3	2.28103	39.4708	6.74264e-03	0.1%	2	45	3.717
-7	1	7	2.27307	39.6147	9.45684e-02	1.0%	2	99	3.687
7	1	-7	2.27307	39.6147	9.25814e-02	0.9%	2	99	3.687
5	1	3	2.27220	39.6306	9.04073e-03	0.1%	2	35	3.684
5	-1	3	2.27220	39.6306	1.19548e-02	0.1%	2	35	3.684
7	1	1	2.27216	39.6312	1.32228e-01	1.3%	2	51	3.684
7	-1	1	2.27216	39.6312	1.48426e-01	1.5%	2	51	3.684
8	0	1	2.26263	39.8053	2.25284e-02	0.2%	2	65	3.648
4	2	-3	2.25988	39.8558	3.59897e-03	0.0%	2	29	3.638
-4	2	3	2.25988	39.8558	3.56483e-03	0.0%	2	29	3.638
0	2	3	2.25081	40.0232	7.50429e-02	0.8%	2	13	3.604
0	2	-3	2.25081	40.0232	7.66444e-02	0.8%	2	13	3.604
9	1	-2	2.23974	40.2295	6.47122e-02	0.7%	2	86	3.563
-9	1	2	2.23974	40.2295	7.41288e-02	0.7%	2	86	3.563
8	0	-8	2.23372	40.3426	5.11475e-02	0.5%	2	128	3.541
2	0	6	2.23295	40.3572	1.49200e-02	0.2%	2	40	3.538
10	0	-2	2.23280	40.3599	6.48890e-02	0.7%	2	104	3.538
2	2	2	2.22981	40.4165	3.44386e-02	0.3%	2	12	3.527
2	-2	2	2.22981	40.4165	4.47258e-02	0.5%	2	12	3.527
4	2	0	2.22979	40.4169	8.13848e-02	0.8%	4	20	3.527
0	0	7	2.22773	40.4559	3.67123e-02	0.4%	2	49	3.519
9	1	-6	2.21434	40.7113	3.60210e-02	0.4%	2	118	3.470

-9	1	6	2.21434	40.7113	3.69518e-02	0.4%	2	118	3.470
-2	2	4	2.19190	41.1468	3.71930e-02	0.4%	2	24	3.389
2	2	-4	2.19190	41.1468	3.16168e-02	0.3%	2	24	3.389
10	0	-7	2.18604	41.2622	4.79752e-05	0.0%	2	149	3.367
-4	2	4	2.17967	41.3882	7.55871e-02	0.8%	2	36	3.345
4	2	-4	2.17967	41.3882	7.32678e-02	0.7%	2	36	3.345
1	1	6	2.17264	41.5284	4.65531e-02	0.5%	2	38	3.319
1	-1	6	2.17264	41.5284	3.90739e-02	0.4%	2	38	3.319
4	0	5	2.16115	41.7595	3.22817e-03	0.0%	2	41	3.279
2	0	-8	2.14704	42.0469	4.81339e-02	0.5%	2	68	3.229
3	1	5	2.13816	42.2299	4.04953e-02	0.4%	2	35	3.197
3	-1	5	2.13816	42.2299	3.62007e-02	0.4%	2	35	3.197
9	1	-1	2.13806	42.2318	3.09621e-02	0.3%	2	83	3.197
-9	1	1	2.13806	42.2318	3.75309e-02	0.4%	2	83	3.197
4	2	1	2.13516	42.2920	4.13114e-02	0.4%	2	21	3.187
4	-2	1	2.13516	42.2920	4.46958e-02	0.5%	2	21	3.187
-1	1	7	2.13468	42.3019	2.32856e-02	0.2%	2	51	3.185
1	1	-7	2.13468	42.3019	2.37364e-02	0.2%	2	51	3.185
10	0	-1	2.11513	42.7120	3.00086e-02	0.3%	2	101	3.117
6	2	-3	2.10547	42.9176	2.33895e-02	0.2%	2	49	3.084
-6	2	3	2.10547	42.9176	3.06313e-02	0.3%	2	49	3.084
9	1	-7	2.10512	42.9252	2.21425e-02	0.2%	2	131	3.082
-9	1	7	2.10512	42.9252	2.24539e-02	0.2%	2	131	3.082
-5	1	8	2.10422	42.9444	1.09626e-01	1.1%	2	90	3.079
5	1	-8	2.10422	42.9444	1.09186e-01	1.1%	2	90	3.079
0	2	4	2.10271	42.9769	6.06370e-03	0.1%	2	20	3.074
0	2	-4	2.10271	42.9769	6.54415e-03	0.1%	2	20	3.074
6	2	-2	2.10266	42.9779	4.89129e-02	0.5%	2	44	3.074
-6	2	2	2.10266	42.9779	5.74139e-02	0.6%	2	44	3.074
2	2	3	2.09087	43.2323	4.17516e-02	0.4%	2	17	3.033
2	-2	3	2.09087	43.2323	5.52454e-02	0.6%	2	17	3.033
-7	1	8	2.08274	43.4098	1.99409e-02	0.2%	2	114	3.006
7	1	-8	2.08274	43.4098	1.77971e-02	0.2%	2	114	3.006
7	1	2	2.08186	43.4290	1.34595e-02	0.1%	2	54	3.003
7	-1	2	2.08186	43.4290	9.26906e-03	0.1%	2	54	3.003
6	2	-4	2.07079	43.6731	6.85216e-02	0.7%	2	56	2.965
-6	2	4	2.07079	43.6731	7.55312e-02	0.8%	2	56	2.965
-4	2	5	2.06997	43.6911	5.04731e-02	0.5%	2	45	2.962
4	2	-5	2.06997	43.6911	4.17354e-02	0.4%	2	45	2.962
6	0	-9	2.06596	43.7804	9.48966e-02	1.0%	2	117	2.949
6	2	-1	2.06279	43.8512	5.11682e-02	0.5%	2	41	2.938
-6	2	1	2.06279	43.8512	6.15101e-02	0.6%	2	41	2.938
10	0	-8	2.05992	43.9154	4.51890e-02	0.5%	2	164	2.928
8	0	2	2.05895	43.9372	6.81947e-02	0.7%	2	68	2.925
-2	2	5	2.04938	44.1530	7.64213e-02	0.8%	2	33	2.893
2	2	-5	2.04938	44.1530	6.02372e-02	0.6%	2	33	2.893

5	1	4	2.04076	44.3496	4.41268e-02	0.4%	2	42	2.864
5	-1	4	2.04076	44.3496	4.59634e-02	0.5%	2	42	2.864
-3	1	8	2.03473	44.4880	3.76259e-02	0.4%	2	74	2.844
3	1	-8	2.03473	44.4880	3.42150e-02	0.3%	2	74	2.844
8	0	-9	2.03233	44.5432	2.41649e-02	0.2%	2	145	2.836
6	0	4	2.03218	44.5468	1.18130e-01	1.2%	2	52	2.836
4	2	2	2.01702	44.8997	3.43645e-02	0.3%	2	24	2.786
4	-2	2	2.01702	44.8997	4.85209e-02	0.5%	2	24	2.786
9	1	0	2.01459	44.9568	8.18824e-02	0.8%	4	82	2.778
4	0	-9	2.01272	45.0010	9.05145e-02	0.9%	2	97	2.772
-6	2	5	2.00383	45.2116	7.89213e-02	0.8%	2	65	2.742
6	2	-5	2.00383	45.2116	7.38353e-02	0.7%	2	65	2.742
6	2	0	1.99179	45.5002	9.83051e-04	0.0%	4	40	2.703
10	0	0	1.98151	45.7496	4.27024e-03	0.0%	2	100	2.670
-9	1	8	1.97800	45.8353	2.18035e-02	0.2%	2	146	2.659
9	1	-8	1.97800	45.8353	2.14290e-02	0.2%	2	146	2.659
11	1	-5	1.97236	45.9741	4.62884e-02	0.5%	2	147	2.641
1	5	1.97236	45.9741	5.10964e-02	0.5%	2	147	2.641	
12	0	-5	1.96912	46.0540	1.05710e-01	1.1%	2	169	2.630
11	1	-4	1.96551	46.1433	3.72975e-03	0.0%	2	138	2.619
1	4	1.96551	46.1433	6.67528e-03	0.1%	2	138	2.619	
12	0	-6	1.95813	46.3276	9.75641e-05	0.0%	2	180	2.595
2	0	7	1.95712	46.3526	1.56377e-04	0.0%	2	53	2.592
0	0	8	1.94926	46.5506	1.92843e-03	0.0%	2	64	2.567
0	2	5	1.94926	46.5506	1.00881e-01	1.0%	2	29	2.567
0	2	-5	1.94926	46.5506	1.00687e-01	1.0%	2	29	2.567
12	0	-4	1.94912	46.5543	1.84202e-02	0.2%	2	160	2.567
11	1	-6	1.94814	46.5791	3.38782e-02	0.3%	2	158	2.564
1	6	1.94814	46.5791	3.84881e-02	0.4%	2	158	2.564	
-4	2	6	1.94438	46.6745	1.69492e-02	0.2%	2	56	2.552
4	2	-6	1.94438	46.6745	1.40016e-02	0.1%	2	56	2.552
2	2	4	1.94410	46.6814	1.72924e-02	0.2%	2	24	2.551
2	-2	4	1.94410	46.6814	2.61349e-02	0.3%	2	24	2.551
1	1	7	1.92867	47.0775	6.58943e-03	0.1%	2	51	2.503
1	-1	7	1.92867	47.0775	8.66371e-03	0.1%	2	51	2.503
11	1	-3	1.92855	47.0805	1.53822e-02	0.2%	2	131	2.502
1	3	1.92855	47.0805	1.84644e-02	0.2%	2	131	2.502	
10	0	-9	1.92343	47.2133	7.03963e-04	0.0%	2	181	2.486
12	0	-7	1.91764	47.3647	1.80814e-02	0.2%	2	193	2.468
-6	2	6	1.91350	47.4736	1.04286e-02	0.1%	2	76	2.456
6	2	-6	1.91350	47.4736	1.01717e-02	0.1%	2	76	2.456
4	0	6	1.91231	47.5047	4.85214e-02	0.5%	2	52	2.452

3	1	6	1.90848	47.6062	1.56148e-02	0.2%	2	46	2.440
3	-1	6	1.90848	47.6062	1.60949e-02	0.2%	2	46	2.440
8	2	-3	1.90441	47.7141	3.98474e-02	0.4%	2	77	2.428
-8	2	3	1.90441	47.7141	4.04475e-02	0.4%	2	77	2.428
-7	1	9	1.90434	47.7160	3.61810e-02	0.4%	2	131	2.427
7	1	-9	1.90434	47.7160	3.75666e-02	0.4%	2	131	2.427
7	1	3	1.90354	47.7374	1.79013e-02	0.2%	2	59	2.425
7	-1	3	1.90354	47.7374	2.61137e-02	0.3%	2	59	2.425
-2	2	6	1.90252	47.7645	4.03788e-02	0.4%	2	44	2.422
2	2	-6	1.90252	47.7645	3.55477e-02	0.4%	2	44	2.422
8	2	-4	1.90246	47.7660	2.87531e-02	0.3%	2	84	2.422
-8	2	4	1.90246	47.7660	3.48809e-02	0.4%	2	84	2.422
12	0	-3	1.90082	47.8097	1.55287e-02	0.2%	2	153	2.417
6	2	1	1.89885	47.8625	3.28224e-02	0.3%	2	41	2.410
6	-2	1	1.89885	47.8625	3.11339e-02	0.3%	2	41	2.410
-1	1	8	1.89796	47.8864	2.36284e-02	0.2%	2	66	2.408
1	1	-8	1.89796	47.8864	2.38643e-02	0.2%	2	66	2.408
-5	1	9	1.89620	47.9335	2.41607e-03	0.0%	2	107	2.402
5	1	-9	1.89620	47.9335	1.87525e-03	0.0%	2	107	2.402
11	1	-7	1.89611	47.9359	1.21651e-02	0.1%	2	171	2.402
1	7	1.89611	47.9359	1.27062e-02	0.1%	2	171	2.402	
2	0	-9	1.89055	48.0858	6.26912e-05	0.0%	2	85	2.385
4	2	3	1.88824	48.1484	4.35144e-02	0.4%	2	29	2.378
4	-2	3	1.88824	48.1484	4.56885e-02	0.5%	2	29	2.378
9	1	1	1.88227	48.3109	2.24286e-02	0.2%	2	83	2.360
9	-1	1	1.88227	48.3109	2.46843e-02	0.2%	2	83	2.360
8	2	-2	1.87850	48.4141	1.23755e-02	0.1%	2	72	2.349
-8	2	2	1.87850	48.4141	1.16608e-02	0.1%	2	72	2.349
8	0	3	1.87425	48.5308	1.22641e-02	0.1%	2	73	2.336
8	2	-5	1.87290	48.5681	2.37671e-02	0.2%	2	93	2.332
-8	2	5	1.87290	48.5681	2.64656e-02	0.3%	2	93	2.332
11	1	-2	1.86628	48.7516	1.64156e-02	0.2%	2	126	2.312
1	2	1.86628	48.7516	1.89890e-02	0.2%	2	126	2.312	
6	0	-10	1.85294	49.1258	5.07102e-02	0.5%	2	136	2.272
12	0	-8	1.85284	49.1284	3.20299e-02	0.3%	2	208	2.272
8	0	-10	1.85052	49.1942	4.76500e-02	0.5%	2	164	2.265
-9	1	9	1.84506	49.3495	9.05046e-03	0.1%	2	163	2.249
9	1	-9	1.84506	49.3495	9.66905e-03	0.1%	2	163	2.249
10	0	1	1.84404	49.3785	2.57674e-02	0.3%	2	101	2.246
5	1	5	1.84189	49.4399	1.17289e-02	0.1%	2	51	2.239
5	-1	5	1.84189	49.4399	1.46585e-02	0.1%	2	51	2.239
12	0	-2	1.83021	49.7770	3.48130e-02	0.4%	2	148	2.205
8	2	-1	1.82797	49.8422	7.21695e-03	0.1%	2	69	2.198
-8	2	1	1.82797	49.8422	5.70421e-03	0.1%	2	69	2.198

6	0	5	1.82477	49.9356	5.92187e-03	0.1%	2	61	2.189
-3	1	9	1.82312	49.9839	9.03627e-03	0.1%	2	91	2.184
3	1	-9	1.82312	49.9839	7.78271e-03	0.1%	2	91	2.184
11	1	-8	1.82263	49.9982	3.85415e-02	0.4%	2	186	2.183
1	8	1.82263	49.9982	3.67946e-02	0.4%	2	186	2.183	
8	2	-6	1.81940	50.0932	3.52049e-02	0.4%	2	104	2.173
-8	2	6	1.81940	50.0932	3.67385e-02	0.4%	2	104	2.173
-4	2	7	1.81412	50.2490	4.47921e-02	0.5%	2	69	2.158
4	2	-7	1.81412	50.2490	4.60448e-02	0.5%	2	69	2.158
-6	2	7	1.80950	50.3861	3.10815e-02	0.3%	2	89	2.145
6	2	-7	1.80950	50.3861	3.38030e-02	0.3%	2	89	2.145
0	2	6	1.80065	50.6513	3.42873e-02	0.3%	2	40	2.119
0	2	-6	1.80065	50.6513	3.42827e-02	0.3%	2	40	2.119
2	2	5	1.79998	50.6713	3.10823e-02	0.3%	2	33	2.117
2	-2	5	1.79998	50.6713	3.83300e-02	0.4%	2	33	2.117
6	2	2	1.79361	50.8642	8.93184e-03	0.1%	2	44	2.099
6	-2	2	1.79361	50.8642	7.67321e-03	0.1%	2	44	2.099
4	0	-10	1.79353	50.8666	4.26015e-02	0.4%	2	116	2.099
10	0	-10	1.78698	51.0665	5.98368e-03	0.1%	2	200	2.080
11	1	-1	1.78578	51.1031	1.39301e-02	0.1%	2	123	2.077
1	1	1.78578	51.1031	1.55114e-02	0.2%	2	123	2.077	
12	0	-9	1.77091	51.5638	4.00138e-03	0.0%	2	225	2.035
-2	2	7	1.76041	51.8941	7.72125e-03	0.1%	2	57	2.005
2	2	-7	1.76041	51.8941	7.25348e-03	0.1%	2	57	2.005
4	2	4	1.75854	51.9532	4.51881e-03	0.0%	2	36	2.000
4	-2	4	1.75854	51.9532	5.74583e-03	0.1%	2	36	2.000
8	2	0	1.75851	51.9543	1.08980e-03	0.0%	4	68	2.000
9	1	2	1.75052	52.2093	2.06882e-03	0.0%	2	86	1.978
9	-1	2	1.75052	52.2093	2.69130e-03	0.0%	2	86	1.978
-8	2	7	1.74785	52.2952	1.92313e-02	0.2%	2	117	1.970
8	2	-7	1.74785	52.2952	1.96057e-02	0.2%	2	117	1.970
12	0	-1	1.74466	52.3979	2.83162e-03	0.0%	2	145	1.962
-7	1	10	1.74292	52.4542	8.76037e-03	0.1%	2	150	1.957
7	1	-10	1.74292	52.4542	9.99355e-03	0.1%	2	150	1.957
7	1	4	1.74221	52.4774	8.56267e-03	0.1%	2	66	1.955
7	-1	4	1.74221	52.4774	1.17605e-02	0.1%	2	66	1.955
2	0	8	1.74127	52.5077	4.19660e-02	0.4%	2	68	1.952
1	9	1.73518	52.7061	8.47870e-04	0.0%	2	203	1.936	
11	1	-9	1.73518	52.7061	1.09516e-03	0.0%	2	203	1.936
0	0	9	1.73268	52.7882	4.75439e-03	0.0%	2	81	1.929
1	1	8	1.73020	52.8696	1.26651e-02	0.1%	2	66	1.922
1	-1	8	1.73020	52.8696	1.27318e-02	0.1%	2	66	1.922
3	1	7	1.71854	53.2566	2.29994e-02	0.2%	2	59	1.890

3	-1	7	1.71854	53.2566	2.56369e-02	0.3%	2	59	1.890
-5	1	10	1.71849	53.2581	4.42519e-02	0.4%	2	126	1.890
5	1	-10	1.71849	53.2581	4.76027e-02	0.5%	2	126	1.890
10	2	-4	1.71559	53.3553	1.97038e-02	0.2%	2	120	1.882
2	4	1.71559	53.3553	1.78236e-02	0.2%	2	120	1.882	
-9	1	10	1.71464	53.3872	1.06361e-02	0.1%	2	182	1.880
9	1	-10	1.71464	53.3872	1.14636e-02	0.1%	2	182	1.880
4	0	7	1.71241	53.4622	4.78722e-03	0.0%	2	65	1.874
10	2	-5	1.71123	53.5021	3.39180e-03	0.0%	2	129	1.871
2	5	1.71123	53.5021	3.57884e-03	0.0%	2	129	1.871	
8	0	4	1.71077	53.5176	2.21919e-02	0.2%	2	80	1.869
10	0	2	1.71075	53.5185	1.93711e-03	0.0%	2	104	1.869
13	1	-6	1.70646	53.6638	1.83431e-02	0.2%	2	206	1.858
1	6	1.70646	53.6638	2.15132e-02	0.2%	2	206	1.858	
-1	1	9	1.70502	53.7125	5.92744e-03	0.1%	2	83	1.854
1	1	-9	1.70502	53.7125	5.20269e-03	0.1%	2	83	1.854
13	1	-5	1.70491	53.7164	1.21102e-02	0.1%	2	195	1.854
1	5	1.70491	53.7164	1.46012e-02	0.1%	2	195	1.854	
-6	2	8	1.70023	53.8761	2.81409e-03	0.0%	2	104	1.841
6	2	-8	1.70023	53.8761	3.36931e-03	0.0%	2	104	1.841
10	2	-3	1.69944	53.9032	6.00491e-03	0.1%	2	113	1.839
2	3	1.69944	53.9032	7.61570e-03	0.1%	2	113	1.839	
11	1	0	1.69451	54.0727	1.25091e-02	0.1%	4	122	1.826
8	0	-11	1.68993	54.2314	2.93009e-02	0.3%	2	185	1.814
2	0	-10	1.68823	54.2903	3.00640e-02	0.3%	2	104	1.809
14	0	-6	1.68811	54.2947	3.26948e-03	0.0%	2	232	1.809
13	1	-7	1.68788	54.3027	1.70407e-02	0.2%	2	219	1.809
1	7	1.68788	54.3027	2.10619e-02	0.2%	2	219	1.809	
-4	2	8	1.68686	54.3380	1.47458e-04	0.0%	2	84	1.806
4	2	-8	1.68686	54.3380	5.21349e-04	0.0%	2	84	1.806
10	2	-6	1.68681	54.3399	2.16720e-02	0.2%	2	140	1.806
2	6	1.68681	54.3399	1.96741e-02	0.2%	2	140	1.806	
6	2	3	1.68413	54.4334	9.48797e-03	0.1%	2	49	1.799
6	-2	3	1.68413	54.4334	9.18731e-03	0.1%	2	49	1.799
13	1	-4	1.68340	54.4591	2.15002e-03	0.0%	2	186	1.797
1	4	1.68340	54.4591	2.02039e-03	0.0%	2	186	1.797	
12	0	-10	1.67915	54.6084	3.34739e-02	0.3%	2	244	1.786
14	0	-7	1.67839	54.6350	3.56787e-03	0.0%	2	245	1.784
14	0	-5	1.67821	54.6415	7.98812e-03	0.1%	2	221	1.783

8	2	1	1.67668	54.6953	5.86463e-03	0.1%	2	69	1.779
8	-2	1	1.67668	54.6953	5.28493e-03	0.1%	2	69	1.779
6	0	-11	1.67494	54.7570	5.11970e-02	0.5%	2	157	1.775
5	1	6	1.67217	54.8554	1.66881e-02	0.2%	2	62	1.767
5	-1	6	1.67217	54.8554	1.92041e-02	0.2%	2	62	1.767
-8	2	8	1.66482	55.1181	2.14921e-02	0.2%	2	132	1.748
8	2	-8	1.66482	55.1181	2.29471e-02	0.2%	2	132	1.748
2	2	6	1.66450	55.1296	3.58282e-02	0.4%	2	44	1.747
2	-2	6	1.66450	55.1296	3.45938e-02	0.3%	2	44	1.747
10	2	-2	1.66444	55.1317	1.10720e-02	0.1%	2	108	1.747
2	2	1.66444	55.1317	8.14793e-03	0.1%	2	108	1.747	
0	2	7	1.66234	55.2075	6.53394e-03	0.1%	2	53	1.742
0	2	-7	1.66234	55.2075	7.11008e-03	0.1%	2	53	1.742
1	3	0	1.65886	55.3332	1.10680e-02	0.1%	4	10	1.733
-1	3	1	1.65752	55.3815	1.82798e-02	0.2%	2	11	1.729
1	3	-1	1.65752	55.3815	1.80896e-02	0.2%	2	11	1.729
10	0	-11	1.65694	55.4027	2.34309e-02	0.2%	2	221	1.728
6	0	6	1.65132	55.6074	3.65955e-04	0.0%	2	72	1.714
12	0	0	1.65126	55.6098	3.09012e-02	0.3%	2	144	1.713
13	1	-8	1.65107	55.6168	1.72584e-02	0.2%	2	234	1.713
1	8	1.65107	55.6168	2.03043e-02	0.2%	2	234	1.713	
14	0	-8	1.65006	55.6539	2.16153e-02	0.2%	2	260	1.710
14	0	-4	1.64971	55.6667	1.09923e-02	0.1%	2	212	1.709
-3	1	10	1.64752	55.7469	1.09032e-02	0.1%	2	110	1.704
3	1	-10	1.64752	55.7469	1.12641e-02	0.1%	2	110	1.704
10	2	-7	1.64480	55.8473	6.58423e-03	0.1%	2	153	1.697
2	7	1.64480	55.8473	7.07445e-03	0.1%	2	153	1.697	
13	1	-3	1.64410	55.8732	8.38198e-03	0.1%	2	179	1.695
1	3	1.64410	55.8732	8.58858e-03	0.1%	2	179	1.695	
1	3	1	1.64169	55.9623	6.35851e-03	0.1%	2	11	1.689
1	-3	1	1.64169	55.9623	5.67512e-03	0.1%	2	11	1.689
1	10	1.64076	55.9970	2.02332e-02	0.2%	2	222	1.687	
11	1	-10	1.64076	55.9970	2.00990e-02	0.2%	2	222	1.687
-1	3	2	1.63782	56.1061	5.77745e-03	0.1%	2	14	1.679
1	3	-2	1.63782	56.1061	4.89572e-03	0.0%	2	14	1.679
4	2	5	1.63411	56.2447	6.68298e-03	0.1%	2	45	1.670
4	-2	5	1.63411	56.2447	5.90923e-03	0.1%	2	45	1.670
3	3	-1	1.62800	56.4748	1.25535e-02	0.1%	2	19	1.654
-3	3	1	1.62800	56.4748	1.29881e-02	0.1%	2	19	1.654
-2	2	8	1.62799	56.4753	1.13584e-02	0.1%	2	72	1.654
2	2	-8	1.62799	56.4753	1.56276e-02	0.2%	2	72	1.654
9	1	3	1.62511	56.5842	1.83219e-03	0.0%	2	91	1.647

9	-1	3	1.62511	56.5842	2.19617e-03	0.0%	2	91	1.647
3	3	-2	1.62423	56.6177	1.30601e-02	0.1%	2	22	1.645
-3	3	2	1.62423	56.6177	1.28763e-02	0.1%	2	22	1.645
4	0	-11	1.61560	56.9479	1.15123e-03	0.0%	2	137	1.623
3	3	0	1.61422	57.0009	2.36490e-02	0.2%	4	18	1.620
10	2	-1	1.61395	57.0113	7.57700e-04	0.0%	2	105	1.619
2	1	1.61395	57.0113	1.32351e-03	0.0%	2	105	1.619	
1	3	2	1.60768	57.2542	1.71435e-02	0.2%	2	14	1.604
1	-3	2	1.60768	57.2542	1.61669e-02	0.2%	2	14	1.604
14	0	-9	1.60580	57.3273	1.94294e-02	0.2%	2	277	1.599
14	0	-3	1.60532	57.3461	5.20604e-04	0.0%	2	205	1.598
-3	3	3	1.60327	57.4264	5.49945e-03	0.1%	2	27	1.593
3	3	-3	1.60327	57.4264	5.55434e-03	0.1%	2	27	1.593
-1	3	3	1.60164	57.4902	4.46649e-03	0.0%	2	19	1.589
1	3	-3	1.60164	57.4902	3.33405e-03	0.0%	2	19	1.589
-7	1	11	1.59954	57.5729	1.69059e-02	0.2%	2	171	1.584
7	1	-11	1.59954	57.5729	1.93297e-02	0.2%	2	171	1.584
13	1	-9	1.59947	57.5755	9.76270e-03	0.1%	2	251	1.584
1	9	1.59947	57.5755	1.00420e-02	0.1%	2	251	1.584	
7	1	5	1.59890	57.5978	7.40779e-03	0.1%	2	75	1.582
7	-1	5	1.59890	57.5978	7.19795e-03	0.1%	2	75	1.582
11	1	1	1.59886	57.5994	5.50554e-03	0.1%	2	123	1.582
11	-1	1	1.59886	57.5994	4.26761e-03	0.0%	2	123	1.582
-6	2	9	1.59178	57.8799	5.26115e-03	0.1%	2	121	1.565
6	2	-9	1.59178	57.8799	5.74375e-03	0.1%	2	121	1.565
-9	1	11	1.59163	57.8859	1.17878e-02	0.1%	2	203	1.565
9	1	-11	1.59163	57.8859	1.18093e-02	0.1%	2	203	1.565
13	1	-2	1.59061	57.9263	4.45334e-03	0.0%	2	174	1.562
1	2	1.59061	57.9263	5.10283e-03	0.1%	2	174	1.562	
2	8	1.58901	57.9902	2.76314e-02	0.3%	2	168	1.558	
10	2	-8	1.58901	57.9902	2.32925e-02	0.2%	2	168	1.558
8	2	2	1.58857	58.0080	1.16045e-02	0.1%	2	72	1.557
8	-2	2	1.58857	58.0080	1.07957e-02	0.1%	2	72	1.557
10	0	3	1.58605	58.1087	2.63564e-03	0.0%	2	109	1.551
3	3	1	1.58418	58.1842	1.89200e-02	0.2%	2	19	1.547
3	-3	1	1.58418	58.1842	2.32968e-02	0.2%	2	19	1.547
12	0	-11	1.58372	58.2024	1.65308e-04	0.0%	2	265	1.545
-8	2	9	1.57625	58.5052	6.53478e-03	0.1%	2	149	1.527
8	2	-9	1.57625	58.5052	6.43037e-03	0.1%	2	149	1.527
6	2	4	1.57618	58.5081	4.83069e-03	0.0%	2	56	1.527
6	-2	4	1.57618	58.5081	4.80019e-03	0.0%	2	56	1.527
5	3	-2	1.57000	58.7608	2.36280e-02	0.2%	2	38	1.513

-5	3	2	1.57000	58.7608	2.82058e-02	0.3%	2	38	1.513
2	0	9	1.56791	58.8465	6.76596e-03	0.1%	2	85	1.508
8	0	5	1.56766	58.8571	3.22588e-06	0.0%	2	89	1.507
-4	2	9	1.56704	58.8825	7.18263e-03	0.1%	2	101	1.506
4	2	-9	1.56704	58.8825	8.15697e-03	0.1%	2	101	1.506
-3	3	4	1.56702	58.8833	1.87749e-03	0.0%	2	34	1.505
3	3	-4	1.56702	58.8833	1.79314e-03	0.0%	2	34	1.505
-5	1	11	1.56684	58.8908	5.42312e-03	0.1%	2	147	1.505
5	1	-11	1.56684	58.8908	6.42057e-03	0.1%	2	147	1.505
1	1	9	1.56656	58.9026	4.63716e-03	0.0%	2	83	1.504
1	-1	9	1.56656	58.9026	4.45084e-03	0.0%	2	83	1.504
5	3	-3	1.56437	58.9929	1.53886e-03	0.0%	2	43	1.499
-5	3	3	1.56437	58.9929	1.94018e-03	0.0%	2	43	1.499
3	1	8	1.56010	59.1706	4.63548e-03	0.0%	2	74	1.489
3	-1	8	1.56010	59.1706	6.25438e-03	0.1%	2	74	1.489
1	3	3	1.55985	59.1808	5.69659e-03	0.1%	2	19	1.489
1	-3	3	1.55985	59.1808	6.58161e-03	0.1%	2	19	1.489
5	3	-1	1.55984	59.1813	1.64491e-02	0.2%	2	35	1.489
-5	3	1	1.55984	59.1813	2.12838e-02	0.2%	2	35	1.489
0	0	10	1.55941	59.1994	2.20680e-02	0.2%	2	100	1.487
12	0	1	1.55569	59.3550	8.97648e-04	0.0%	2	145	1.479
10	2	0	1.55218	59.5028	3.12106e-03	0.0%	4	104	1.471
-1	3	4	1.55214	59.5043	7.92581e-03	0.1%	2	26	1.470
1	3	-4	1.55214	59.5043	7.76469e-03	0.1%	2	26	1.470
8	0	-12	1.54947	59.6174	1.21873e-02	0.1%	2	208	1.464
14	0	-10	1.54940	59.6203	1.49495e-02	0.2%	2	296	1.464
4	0	8	1.54892	59.6408	8.00943e-03	0.1%	2	80	1.463
14	0	-2	1.54883	59.6447	4.01385e-03	0.0%	2	200	1.463
12	2	-5	1.54620	59.7562	1.95062e-02	0.2%	2	173	1.457
2	5	1.54620	59.7562	1.69821e-02	0.2%	2	173	1.457	
-1	1	10	1.54563	59.7806	7.55069e-03	0.1%	2	102	1.455
1	1	-10	1.54563	59.7806	6.92284e-03	0.1%	2	102	1.455
1	11	1.54485	59.8139	1.10770e-02	0.1%	2	243	1.453	
11	1	-11	1.54485	59.8139	1.04513e-02	0.1%	2	243	1.453
-5	3	4	1.54346	59.8732	1.35857e-02	0.1%	2	50	1.450
5	3	-4	1.54346	59.8732	1.38593e-02	0.1%	2	50	1.450
12	2	-6	1.54086	59.9845	1.49376e-03	0.0%	2	184	1.444
2	6	1.54086	59.9845	2.64543e-03	0.0%	2	184	1.444	
3	3	2	1.54049	60.0004	3.94119e-03	0.0%	2	22	1.443
3	-3	2	1.54049	60.0004	6.56654e-03	0.1%	2	22	1.443
2	2	7	1.54037	60.0054	1.75692e-04	0.0%	2	57	1.443
2	-2	7	1.54037	60.0054	3.31259e-05	0.0%	2	57	1.443
13	1	-10	1.53726	60.1394	5.65825e-03	0.1%	2	270	1.436

1	10	1.53726	60.1394	5.81012e-03	0.1%	2	270	1.436	
10	0	-12	1.53656	60.1696	1.46860e-03	0.0%	2	244	1.434
0	2	8	1.53653	60.1710	1.30416e-02	0.1%	2	68	1.434
0	2	-8	1.53653	60.1710	1.87904e-02	0.2%	2	68	1.434
12	2	-4	1.53646	60.1740	6.03527e-04	0.0%	2	164	1.434
2	4	1.53646	60.1740	1.91618e-03	0.0%	2	164	1.434	
5	3	0	1.53479	60.2462	1.42033e-02	0.1%	4	34	1.430
5	1	7	1.52724	60.5752	1.05133e-02	0.1%	2	75	1.413
5	-1	7	1.52724	60.5752	1.26075e-02	0.1%	2	75	1.413
13	1	-1	1.52717	60.5783	3.56568e-03	0.0%	2	171	1.413
1	1	1.52717	60.5783	2.45394e-03	0.0%	2	171	1.413	
6	0	-12	1.52522	60.6639	1.47022e-03	0.0%	2	180	1.408
2	0	-11	1.52470	60.6870	6.54343e-04	0.0%	2	125	1.407
2	9	1.52379	60.7271	1.19708e-02	0.1%	2	185	1.405	
10	2	-9	1.52379	60.7271	9.89938e-03	0.1%	2	185	1.405
12	2	-7	1.52090	60.8545	9.24395e-03	0.1%	2	197	1.399
2	7	1.52090	60.8545	7.59580e-03	0.1%	2	197	1.399	
-3	3	5	1.51853	60.9597	1.02066e-02	0.1%	2	43	1.393
3	3	-5	1.51853	60.9597	1.04470e-02	0.1%	2	43	1.393
4	2	6	1.51824	60.9725	1.15013e-02	0.1%	2	56	1.393
4	-2	6	1.51824	60.9725	1.08025e-02	0.1%	2	56	1.393
12	2	-3	1.51247	61.2300	1.30629e-02	0.1%	2	157	1.380
2	3	1.51247	61.2300	1.13356e-02	0.1%	2	157	1.380	
-5	3	5	1.50903	61.3845	6.75743e-03	0.1%	2	59	1.372
5	3	-5	1.50903	61.3845	7.80805e-03	0.1%	2	59	1.372
9	1	4	1.50896	61.3875	4.33823e-03	0.0%	2	98	1.372
9	-1	4	1.50896	61.3875	4.31825e-03	0.0%	2	98	1.372
-2	2	9	1.50728	61.4636	5.96759e-03	0.1%	2	89	1.368
2	2	-9	1.50728	61.4636	1.17488e-02	0.1%	2	89	1.368
6	0	7	1.50526	61.5551	1.79362e-02	0.2%	2	85	1.363
11	1	2	1.50360	61.6306	3.52365e-03	0.0%	2	126	1.360
11	-1	2	1.50360	61.6306	3.82219e-03	0.0%	2	126	1.360
1	3	4	1.50193	61.7065	7.29778e-03	0.1%	2	26	1.356
1	-3	4	1.50193	61.7065	9.95327e-03	0.1%	2	26	1.356
15	1	-6	1.50125	61.7372	8.82615e-04	0.0%	2	262	1.355
1	6	1.50125	61.7372	9.99941e-04	0.0%	2	262	1.355	
-3	1	11	1.50043	61.7748	5.70018e-03	0.1%	2	131	1.353
3	1	-11	1.50043	61.7748	5.60267e-03	0.1%	2	131	1.353
15	1	-7	1.50033	61.7793	8.56452e-03	0.1%	2	275	1.352
1	7	1.50	61.7793	8.82186e-03	0.1%	2	275	1.352	

		033							
8	2	3	1.49898	61.8412	1.25340e-03	0.0%	2	77	1.349
8	-2	3	1.49898	61.8412	4.80399e-04	0.0%	2	77	1.349
5	3	1	1.49692	61.9355	6.98460e-03	0.1%	2	35	1.345
5	-3	1	1.49692	61.9355	9.63219e-03	0.1%	2	35	1.345
-1	3	5	1.49309	62.1120	2.64517e-03	0.0%	2	35	1.336
1	3	-5	1.49309	62.1120	3.36220e-03	0.0%	2	35	1.336
7	3	-3	1.49307	62.1130	1.30851e-03	0.0%	2	67	1.336
-7	3	3	1.49307	62.1130	1.98371e-03	0.0%	2	67	1.336
12	0	-12	1.48915	62.2949	1.13418e-02	0.1%	2	288	1.328
15	1	-5	1.48843	62.3283	7.01340e-03	0.1%	2	251	1.326
1	5	1.48843	62.3283	5.59302e-03	0.1%	2	251	1.326	
-6	2	10	1.48801	62.3480	6.43229e-03	0.1%	2	140	1.325
6	2	-10	1.48801	62.3480	4.92353e-03	0.0%	2	140	1.325
12	2	-8	1.48796	62.3502	7.23907e-03	0.1%	2	212	1.325
2	8	1.48796	62.3502	8.21466e-03	0.1%	2	212	1.325	
-8	2	10	1.48675	62.4064	5.02707e-03	0.1%	2	168	1.323
8	2	-10	1.48675	62.4064	3.98062e-03	0.0%	2	168	1.323
3	3	3	1.48654	62.4166	1.48183e-02	0.1%	2	27	1.322
3	-3	3	1.48654	62.4166	1.85685e-02	0.2%	2	27	1.322
7	3	-4	1.48631	62.4274	1.71205e-02	0.2%	2	74	1.322
-7	3	4	1.48631	62.4274	2.03382e-02	0.2%	2	74	1.322
7	3	-2	1.48624	62.4304	2.21517e-02	0.2%	2	62	1.322
-7	3	2	1.48624	62.4304	2.50536e-02	0.3%	2	62	1.322
15	1	-8	1.48574	62.4539	1.13412e-02	0.1%	2	290	1.320
1	8	1.48574	62.4539	1.26363e-02	0.1%	2	290	1.320	
14	0	-11	1.48491	62.4928	1.50751e-02	0.2%	2	317	1.319
14	0	-1	1.48427	62.5225	5.93983e-03	0.1%	2	197	1.317
10	2	1	1.48339	62.5639	5.23997e-03	0.1%	2	105	1.315
10	-2	1	1.48339	62.5639	4.76283e-03	0.0%	2	105	1.315
-9	1	12	1.47831	62.8031	1.05690e-02	0.1%	2	226	1.304
9	1	-12	1.47831	62.8031	1.04844e-02	0.1%	2	226	1.304
16	0	-7	1.47697	62.8668	4.32081e-04	0.0%	2	305	1.301
12	2	-2	1.47616	62.9052	6.59090e-03	0.1%	2	152	1.300
2	2	1.47616	62.9052	6.47781e-03	0.1%	2	152	1.300	
6	2	5	1.47330	63.0413	2.33437e-03	0.0%	2	65	1.293
6	-2	5	1.47330	63.0413	2.42598e-03	0.0%	2	65	1.293
-7	1	12	1.47323	63.0445	1.82742e-02	0.2%	2	194	1.293
7	1	-12	1.47323	63.0445	1.87084e-02	0.2%	2	194	1.293
7	1	6	1.47268	63.0711	6.15180e-03	0.1%	2	86	1.292
7	-1	6	1.47268	63.0711	6.05229e-03	0.1%	2	86	1.292
16	0	-6	1.47219	63.0944	1.81336e-03	0.0%	2	292	1.291

10	0	4	1.47188	63.1089	2.51449e-03	0.0%	2	116	1.290
4	0	-12	1.46870	63.2617	2.58503e-03	0.0%	2	160	1.284
16	0	-8	1.46859	63.2666	1.52859e-03	0.0%	2	320	1.283
1	11	1.46859	63.2668	1.11058e-02	0.1%	2	291	1.283	
13	1	-11	1.46859	63.2668	1.06515e-02	0.1%	2	291	1.283
7	3	-5	1.46649	63.3681	9.79772e-03	0.1%	2	83	1.279
-7	3	5	1.46649	63.3681	1.18879e-02	0.1%	2	83	1.279
7	3	-1	1.46637	63.3740	1.58585e-03	0.0%	2	59	1.279
-7	3	1	1.46637	63.3740	1.88612e-03	0.0%	2	59	1.279
-5	3	6	1.46374	63.5009	2.30250e-04	0.0%	2	70	1.273
5	3	-6	1.46374	63.5009	2.06419e-04	0.0%	2	70	1.273
15	1	-4	1.46288	63.5424	1.53204e-03	0.0%	2	242	1.271
1	4	1.46288	63.5424	1.11692e-03	0.0%	2	242	1.271	
12	0	2	1.46198	63.5862	2.93177e-04	0.0%	2	148	1.269
-3	3	6	1.46127	63.6209	9.82360e-04	0.0%	2	54	1.268
3	3	-6	1.46127	63.6209	9.91773e-04	0.0%	2	54	1.268
15	1	-9	1.45863	63.7495	1.46703e-03	0.0%	2	307	1.262
1	9	1.45863	63.7495	2.05501e-03	0.0%	2	307	1.262	
13	1	0	1.45785	63.7876	5.62636e-03	0.1%	4	170	1.261
-4	2	10	1.45671	63.8433	7.63624e-03	0.1%	2	120	1.258
4	2	-10	1.45671	63.8433	7.43879e-03	0.1%	2	120	1.258
16	0	-5	1.45463	63.9455	2.20681e-05	0.0%	2	281	1.254
2	10	1.45320	64.0162	6.56629e-03	0.1%	2	204	1.251	
10	2	-10	1.45320	64.0162	5.41801e-03	0.1%	2	204	1.251
1	12	1.45127	64.1113	5.32518e-03	0.1%	2	266	1.247	
11	1	-12	1.45127	64.1113	4.90238e-03	0.0%	2	266	1.247
5	3	2	1.44905	64.2211	6.43083e-03	0.1%	2	38	1.242
5	-3	2	1.44905	64.2211	6.34747e-03	0.1%	2	38	1.242
16	0	-9	1.44772	64.2873	1.19854e-02	0.1%	2	337	1.239
12	2	-9	1.44451	64.4472	4.03955e-03	0.0%	2	229	1.233
2	9	1.44451	64.4472	5.35630e-03	0.1%	2	229	1.233	
8	0	6	1.44283	64.5315	2.48896e-05	0.0%	2	100	1.229
1	3	5	1.43763	64.7931	5.61222e-03	0.1%	2	35	1.219
1	-3	5	1.43763	64.7931	1.01433e-02	0.1%	2	35	1.219
-5	1	12	1.43699	64.8258	5.25000e-03	0.1%	2	170	1.217
5	1	-12	1.43699	64.8258	5.10311e-03	0.1%	2	170	1.217
-7	3	6	1.43513	64.9200	6.43415e-03	0.1%	2	94	1.213
7	3	-6	1.43513	64.9200	5.76063e-03	0.1%	2	94	1.213
7	3	0	1.43496	64.9288	9.64855e-03	0.1%	4	58	1.213
12	2	-1	1.43016	65.1733	2.90809e-03	0.0%	2	149	1.203
2	1	1.43	65.1733	3.58652e-03	0.0%	2	149	1.203	

		016							
1	1	10	1.42982	65.1908	5.75838e-03	0.1%	2	102	1.203
1	-1	10	1.42982	65.1908	5.94964e-03	0.1%	2	102	1.203
2	2	8	1.42829	65.2693	1.25275e-02	0.1%	2	72	1.199
2	-2	8	1.42829	65.2693	1.00481e-02	0.1%	2	72	1.199
-1	3	6	1.42817	65.2755	1.06451e-02	0.1%	2	46	1.199
1	3	-6	1.42817	65.2755	1.41362e-02	0.1%	2	46	1.199
10	0	-13	1.42701	65.3355	7.72167e-03	0.1%	2	269	1.197
8	0	-13	1.42696	65.3376	1.03317e-02	0.1%	2	233	1.197
3	1	9	1.42660	65.3562	3.14448e-03	0.0%	2	91	1.196
3	-1	9	1.42660	65.3562	4.20327e-03	0.0%	2	91	1.196
15	1	-3	1.42652	65.3606	4.56105e-03	0.0%	2	235	1.196
1	3	1.42652	65.3606	5.37947e-03	0.1%	2	235	1.196	
3	3	4	1.42581	65.3971	1.94238e-03	0.0%	2	34	1.194
3	-3	4	1.42581	65.3971	3.16517e-03	0.0%	2	34	1.194
2	0	10	1.42572	65.4019	3.93270e-03	0.0%	2	104	1.194
16	0	-4	1.42562	65.4070	1.12347e-03	0.0%	2	272	1.194
0	2	9	1.42354	65.5145	3.44349e-03	0.0%	2	85	1.190
0	2	-9	1.42354	65.5145	6.09969e-03	0.1%	2	85	1.190
15	1	-10	1.42100	65.6461	1.01497e-02	0.1%	2	326	1.185
1	10	1.42100	65.6461	1.15878e-02	0.1%	2	326	1.185	
0	0	11	1.41765	65.8213	5.50380e-04	0.0%	2	121	1.178
14	0	-12	1.41602	65.9062	6.43752e-03	0.1%	2	340	1.175
16	0	-10	1.41589	65.9132	5.32963e-03	0.1%	2	356	1.174
14	0	0	1.41536	65.9409	4.17158e-05	0.0%	2	196	1.173
4	0	9	1.41304	66.0634	1.17208e-02	0.1%	2	97	1.169
4	2	7	1.41224	66.1055	1.95437e-03	0.0%	2	69	1.167
4	-2	7	1.41224	66.1055	1.94171e-04	0.0%	2	69	1.167
-1	1	11	1.41221	66.1070	6.30356e-03	0.1%	2	123	1.167
1	1	-11	1.41221	66.1070	6.22742e-03	0.1%	2	123	1.167
11	1	3	1.41184	66.1268	1.42186e-04	0.0%	2	131	1.166
11	-1	3	1.41184	66.1268	2.58993e-04	0.0%	2	131	1.166
8	2	4	1.41131	66.1543	8.29698e-03	0.1%	2	84	1.165
8	-2	4	1.41131	66.1543	8.18049e-03	0.1%	2	84	1.165
10	2	2	1.41130	66.1550	2.14649e-03	0.0%	2	108	1.165
10	-2	2	1.41130	66.1550	2.35886e-03	0.0%	2	108	1.165
-5	3	7	1.41061	66.1916	7.93465e-03	0.1%	2	83	1.164
5	3	-7	1.41061	66.1916	5.75067e-03	0.1%	2	83	1.164
9	3	-4	1.40587	66.4435	3.47009e-03	0.0%	2	106	1.155
-9	3	4	1.40587	66.4435	3.85635e-03	0.0%	2	106	1.155
9	1	5	1.40312	66.5907	8.10345e-04	0.0%	2	107	1.149
9	-1	5	1.40312	66.5907	5.20425e-04	0.0%	2	107	1.149
5	1	8	1.40296	66.5993	1.68172e-03	0.0%	2	90	1.149
5	-1	8	1.40296	66.5993	2.10653e-03	0.0%	2	90	1.149

9	3	-3	1.40177	66.6631	2.86664e-03	0.0%	2	99	1.147
-9	3	3	1.40177	66.6631	1.77832e-03	0.0%	2	99	1.147
-8	2	11	1.39955	66.7831	8.98261e-03	0.1%	2	189	1.142
8	2	-11	1.39955	66.7831	7.47009e-03	0.1%	2	189	1.142
-3	3	7	1.39864	66.8318	5.32277e-03	0.1%	2	67	1.140
3	3	-7	1.39864	66.8318	3.77034e-03	0.0%	2	67	1.140
9	3	-5	1.39862	66.8332	1.28597e-02	0.1%	2	115	1.140
-9	3	5	1.39862	66.8332	1.48312e-02	0.1%	2	115	1.140
-2	2	10	1.39858	66.8351	2.42515e-03	0.0%	2	108	1.140
2	2	-10	1.39858	66.8351	4.48163e-03	0.0%	2	108	1.140
14	2	-6	1.39851	66.8390	1.98132e-03	0.0%	2	236	1.140
2	6	1.39851	66.8390	1.17430e-03	0.0%	2	236	1.140	
12	0	-13	1.39833	66.8486	2.65378e-03	0.0%	2	313	1.140
6	0	-13	1.39821	66.8550	3.66475e-03	0.0%	2	205	1.140
1	12	1.39702	66.9195	5.49124e-03	0.1%	2	314	1.137	
13	1	-12	1.39702	66.9195	4.91461e-03	0.0%	2	314	1.137
-7	3	7	1.39442	67.0611	7.53382e-03	0.1%	2	107	1.132
7	3	-7	1.39442	67.0611	5.99922e-03	0.1%	2	107	1.132
5	3	3	1.39422	67.0721	3.89006e-03	0.0%	2	43	1.132
5	-3	3	1.39422	67.0721	3.03097e-03	0.0%	2	43	1.132
7	3	1	1.39421	67.0725	5.01152e-03	0.1%	2	59	1.132
7	-3	1	1.39421	67.0725	3.05603e-03	0.0%	2	59	1.132
2	10	1.39340	67.1163	1.16211e-02	0.1%	2	248	1.130	
12	2	-10	1.39340	67.1163	1.06050e-02	0.1%	2	248	1.130
14	2	-7	1.39297	67.1399	9.28750e-03	0.1%	2	249	1.129
2	7	1.39297	67.1399	9.44848e-03	0.1%	2	249	1.129	
14	2	-5	1.39287	67.1456	3.41515e-03	0.0%	2	225	1.129
2	5	1.39287	67.1456	3.51517e-03	0.0%	2	225	1.129	
-6	2	11	1.39100	67.2478	5.25757e-03	0.1%	2	161	1.126
6	2	-11	1.39100	67.2478	3.41496e-03	0.0%	2	161	1.126
2	0	-12	1.38984	67.3113	1.02657e-03	0.0%	2	148	1.123
16	0	-3	1.38717	67.4584	7.67429e-04	0.0%	2	265	1.118
9	3	-2	1.38662	67.4888	6.69119e-04	0.0%	2	94	1.117
-9	3	2	1.38662	67.4888	1.92131e-04	0.0%	2	94	1.117
13	1	1	1.38610	67.5172	1.93652e-03	0.0%	2	171	1.116
13	-1	1	1.38610	67.5172	1.81843e-03	0.0%	2	171	1.116
15	1	-2	1.38176	67.7581	4.65869e-03	0.0%	2	230	1.108
1	2	1.38176	67.7581	3.98533e-03	0.0%	2	230	1.108	
6	0	8	1.38119	67.7897	7.40710e-05	0.0%	2	100	1.107
2	11	1.38064	67.8208	1.47406e-02	0.1%	2	225	1.106	

10	2	-11	1.38064	67.8208	1.44314e-02	0.1%	2	225	1.106
9	3	-6	1.38052	67.8269	4.17282e-03	0.0%	2	126	1.106
-9	3	6	1.38052	67.8269	5.64452e-03	0.1%	2	126	1.106
6	2	6	1.37738	68.0029	3.66117e-03	0.0%	2	76	1.100
6	-2	6	1.37738	68.0029	3.05557e-03	0.0%	2	76	1.100
12	2	0	1.37734	68.0050	1.17103e-02	0.1%	4	148	1.100
14	2	-8	1.37664	68.0442	1.09542e-03	0.0%	2	264	1.098
2	8	1.37664	68.0442	1.04710e-03	0.0%	2	264	1.098	
14	2	-4	1.37644	68.0556	4.78513e-03	0.0%	2	216	1.098
2	4	1.37644	68.0556	5.22990e-03	0.1%	2	216	1.098	
-3	1	12	1.37596	68.0827	3.69113e-03	0.0%	2	154	1.097
3	1	-12	1.37596	68.0827	4.28614e-03	0.0%	2	154	1.097
-9	1	13	1.37537	68.1157	1.14178e-02	0.1%	2	251	1.096
9	1	-13	1.37537	68.1157	1.09969e-02	0.1%	2	251	1.096
15	1	-11	1.37532	68.1185	4.86494e-03	0.0%	2	347	1.096
1	11	1.37532	68.1185	5.71067e-03	0.1%	2	347	1.096	
16	0	-11	1.37525	68.1226	1.46090e-02	0.1%	2	377	1.096
12	0	3	1.37263	68.2705	3.78231e-03	0.0%	2	153	1.091
1	3	6	1.37024	68.4060	1.02720e-02	0.1%	2	46	1.086
1	-3	6	1.37024	68.4060	1.72313e-02	0.2%	2	46	1.086
10	0	5	1.36862	68.4986	8.68479e-06	0.0%	2	125	1.083
1	13	1.36235	68.8580	5.66864e-03	0.1%	2	291	1.072	
11	1	-13	1.36235	68.8580	5.52508e-03	0.1%	2	291	1.072
-7	1	13	1.36227	68.8622	6.01470e-03	0.1%	2	219	1.071
7	1	-13	1.36227	68.8622	5.78841e-03	0.1%	2	219	1.071
7	1	7	1.36178	68.8905	1.99619e-03	0.0%	2	99	1.070
7	-1	7	1.36178	68.8905	1.98858e-03	0.0%	2	99	1.070
3	3	5	1.36147	68.9088	8.76806e-03	0.1%	2	43	1.070
3	-3	5	1.36147	68.9088	9.82923e-03	0.1%	2	43	1.070
9	3	-1	1.36144	68.9102	6.44072e-03	0.1%	2	91	1.070
-9	3	1	1.36144	68.9102	3.27492e-03	0.0%	2	91	1.070
-1	3	7	1.36057	68.9607	1.36449e-03	0.0%	2	59	1.068
1	3	-7	1.36057	68.9607	2.68627e-03	0.0%	2	59	1.068
-4	2	11	1.35644	69.2003	3.98201e-03	0.0%	2	141	1.061
4	2	-11	1.35644	69.2003	3.83574e-03	0.0%	2	141	1.061
9	3	-7	1.35282	69.4121	8.28273e-03	0.1%	2	139	1.054
-9	3	7	1.35282	69.4121	1.03538e-02	0.1%	2	139	1.054
-5	3	8	1.35258	69.4261	6.29186e-03	0.1%	2	98	1.054
5	3	-8	1.35258	69.4261	3.19579e-03	0.0%	2	98	1.054
14	2	-9	1.35063	69.5409	3.07915e-03	0.0%	2	281	1.050
2	9	1.35063	69.5409	2.78837e-03	0.0%	2	281	1.050	
14	2	-3	1.35034	69.5577	1.11896e-03	0.0%	2	209	1.050

2	3	1.35034	69.5577	2.42907e-03	0.0%	2	209	1.050	
-7	3	8	1.34682	69.7659	4.89525e-03	0.0%	2	122	1.043
7	3	-8	1.34682	69.7659	3.96425e-03	0.0%	2	122	1.043
7	3	2	1.34659	69.7799	5.45715e-04	0.0%	2	62	1.043
7	-3	2	1.34659	69.7799	3.49852e-04	0.0%	2	62	1.043
14	0	-13	1.34578	69.8277	3.41929e-03	0.0%	2	365	1.041
4	0	-13	1.34560	69.8382	1.66237e-03	0.0%	2	185	1.041
14	0	1	1.34512	69.8670	3.74269e-03	0.0%	2	197	1.040
16	0	-2	1.34163	70.0755	6.56555e-04	0.0%	2	260	1.034
17	1	-7	1.33886	70.2414	1.88823e-03	0.0%	2	339	1.029
1	7	1.33886	70.2414	1.54700e-03	0.0%	2	339	1.029	
10	2	3	1.33882	70.2444	3.13337e-03	0.0%	2	113	1.029
10	-2	3	1.33882	70.2444	3.19304e-03	0.0%	2	113	1.029
2	11	1.33741	70.3289	1.01051e-03	0.0%	2	269	1.026	
12	2	-11	1.33741	70.3289	1.22606e-03	0.0%	2	269	1.026
17	1	-8	1.33681	70.3653	2.89475e-03	0.0%	2	354	1.025
1	8	1.33681	70.3653	2.55046e-03	0.0%	2	354	1.025	
5	3	4	1.33527	70.4586	2.04568e-03	0.0%	2	50	1.023
5	-3	4	1.33527	70.4586	6.77613e-04	0.0%	2	50	1.023
8	0	7	1.33387	70.5432	5.18187e-03	0.1%	2	113	1.020
-3	3	8	1.33358	70.5614	9.35506e-03	0.1%	2	82	1.020
3	3	-8	1.33358	70.5614	6.63452e-03	0.1%	2	82	1.020
15	1	-1	1.33116	70.7087	1.88038e-03	0.0%	2	227	1.015
1	1	1.33116	70.7087	2.07577e-03	0.0%	2	227	1.015	
17	1	-6	1.33112	70.7110	2.00223e-03	0.0%	2	326	1.015
1	6	1.33112	70.7110	2.10307e-03	0.0%	2	326	1.015	
10	0	-14	1.32823	70.8880	7.49054e-03	0.1%	2	296	1.010
16	0	-12	1.32818	70.8911	6.26750e-03	0.1%	2	400	1.010
9	3	0	1.32786	70.9108	1.75473e-03	0.0%	4	90	1.010
2	2	9	1.32785	70.9113	3.16463e-03	0.0%	2	89	1.010
2	-2	9	1.32785	70.9113	3.22004e-03	0.0%	2	89	1.010
8	2	5	1.32770	70.9208	4.97668e-04	0.0%	2	93	1.009
8	-2	5	1.32770	70.9208	1.03544e-03	0.0%	2	93	1.009
11	1	4	1.32538	71.0638	2.34539e-03	0.0%	2	138	1.005
11	-1	4	1.32538	71.0638	2.12520e-03	0.0%	2	138	1.005
1	13	1.32531	71.0677	5.63780e-03	0.1%	2	339	1.005	
13	1	-13	1.32531	71.0677	5.61579e-03	0.1%	2	339	1.005
-5	1	13	1.32518	71.0760	1.00414e-02	0.1%	2	195	1.005
5	1	-13	1.32518	71.0760	8.57337e-03	0.1%	2	195	1.005
17	1	-9	1.32509	71.0812	6.87541e-04	0.0%	2	371	1.005

1	9	1.32509	71.0812	7.07893e-04	0.0%	2	371	1.005	
1	12	1.32413	71.1407	8.28413e-03	0.1%	2	370	1.003	
15	1	-12	1.32413	71.1407	8.04501e-03	0.1%	2	370	1.003
0	2	10	1.32267	71.2311	1.10014e-03	0.0%	2	104	1.001
0	2	-10	1.32267	71.2311	2.16539e-03	0.0%	2	104	1.001
12	2	1	1.32040	71.3723	7.21895e-04	0.0%	2	149	0.997
12	-2	1	1.32040	71.3723	1.47238e-03	0.0%	2	149	0.997
8	0	-14	1.32001	71.3969	6.39224e-03	0.1%	2	260	0.996
-9	3	8	1.31722	71.5714	5.56923e-03	0.1%	2	154	0.991
9	3	-8	1.31722	71.5714	5.10896e-03	0.1%	2	154	0.991
-8	2	12	1.31659	71.6107	1.60307e-03	0.0%	2	212	0.990
8	2	-12	1.31659	71.6107	1.45883e-03	0.0%	2	212	0.990
14	2	-10	1.31655	71.6133	5.26217e-03	0.1%	2	300	0.990
2	10	1.31655	71.6133	4.76770e-03	0.0%	2	300	0.990	
4	2	8	1.31625	71.6320	4.43047e-03	0.0%	2	84	0.990
4	-2	8	1.31625	71.6320	3.98915e-03	0.0%	2	84	0.990
14	2	-2	1.31620	71.6355	3.23030e-03	0.0%	2	204	0.990
2	2	1.31620	71.6355	4.56953e-03	0.0%	2	204	0.990	
11	3	-5	1.31555	71.6764	2.50320e-03	0.0%	2	155	0.988
3	5	1.31555	71.6764	1.85890e-03	0.0%	2	155	0.988	
13	1	2	1.31456	71.7385	1.02710e-03	0.0%	2	174	0.987
13	-1	2	1.31456	71.7385	6.43714e-04	0.0%	2	174	0.987
1	1	11	1.31417	71.7633	4.38357e-03	0.0%	2	123	0.986
1	-1	11	1.31417	71.7633	4.87981e-03	0.0%	2	123	0.986
17	1	-5	1.31408	71.7689	4.11592e-04	0.0%	2	315	0.986
1	5	1.31408	71.7689	1.85120e-04	0.0%	2	315	0.986	
11	3	-4	1.31351	71.8047	1.76684e-03	0.0%	2	146	0.985
3	4	1.31351	71.8047	6.59375e-04	0.0%	2	146	0.985	
3	1	10	1.31299	71.8378	3.16767e-03	0.0%	2	110	0.984
3	-1	10	1.31299	71.8378	3.55550e-03	0.0%	2	110	0.984
12	0	-14	1.31293	71.8416	4.74487e-05	0.0%	2	340	0.984
18	0	-8	1.31261	71.8617	7.65469e-04	0.0%	2	388	0.984
18	0	-7	1.31056	71.9913	4.02070e-04	0.0%	2	373	0.980
2	12	1.30865	72.1134	4.59780e-04	0.0%	2	248	0.977	
10	2	-12	1.30865	72.1134	6.73335e-04	0.0%	2	248	0.977
11	3	-6	1.30829	72.1364	6.85757e-03	0.1%	2	166	0.976
3	6	1.30829	72.1364	6.49287e-03	0.1%	2	166	0.976	
9	1	6	1.30753	72.1846	2.45420e-03	0.0%	2	118	0.975
9	-1	6	1.30753	72.1846	2.15473e-03	0.0%	2	118	0.975

2	0	11	1.30702	72.2172	1.30371e-02	0.1%	2	125	0.974
18	0	-9	1.30542	72.3199	5.58180e-04	0.0%	2	405	0.971
17	1	-10	1.30445	72.3817	5.64786e-03	0.1%	2	390	0.970
1	10	1.30445	72.3817	5.88620e-03	0.1%	2	390	0.970	
1	3	7	1.30234	72.5179	1.12791e-03	0.0%	2	59	0.966
1	-3	7	1.30234	72.5179	1.67351e-03	0.0%	2	59	0.966
11	3	-3	1.30230	72.5202	1.74278e-03	0.0%	2	139	0.966
3	3	1.30230	72.5202	5.45644e-04	0.0%	2	139	0.966	
-6	2	12	1.30162	72.5645	5.08901e-03	0.1%	2	184	0.965
6	2	-12	1.30162	72.5645	4.26729e-03	0.0%	2	184	0.965
-2	2	11	1.30129	72.5856	5.93696e-03	0.1%	2	129	0.965
2	2	-11	1.30129	72.5856	7.51471e-03	0.1%	2	129	0.965
0	0	12	1.29951	72.7011	5.88877e-03	0.1%	2	144	0.962
18	0	-6	1.29941	72.7074	9.09635e-04	0.0%	2	360	0.961
-1	1	12	1.29917	72.7233	3.03978e-03	0.0%	2	146	0.961
1	1	-12	1.29917	72.7233	3.23995e-03	0.0%	2	146	0.961
4	0	10	1.29851	72.7662	1.41759e-03	0.0%	2	116	0.960
3	3	6	1.29607	72.9250	4.76358e-03	0.0%	2	54	0.956
3	-3	6	1.29607	72.9250	5.11792e-03	0.1%	2	54	0.956
5	1	9	1.29576	72.9455	5.08467e-03	0.1%	2	107	0.955
5	-1	9	1.29576	72.9455	5.09900e-03	0.1%	2	107	0.955
-7	3	9	1.29477	73.0099	5.67166e-03	0.1%	2	139	0.954
7	3	-9	1.29477	73.0099	5.15622e-03	0.1%	2	139	0.954
7	3	3	1.29452	73.0265	2.84806e-03	0.0%	2	67	0.953
7	-3	3	1.29452	73.0265	8.79246e-04	0.0%	2	67	0.953
-1	3	8	1.29276	73.1419	9.41789e-03	0.1%	2	74	0.951
1	3	-8	1.29276	73.1419	1.08943e-02	0.1%	2	74	0.951
-5	3	9	1.29221	73.1784	3.15346e-03	0.0%	2	115	0.950
5	3	-9	1.29221	73.1784	1.80977e-03	0.0%	2	115	0.950
11	3	-7	1.29218	73.1803	1.48452e-03	0.0%	2	179	0.950
3	7	1.29218	73.1803	1.26589e-03	0.0%	2	179	0.950	
16	0	-1	1.29135	73.2349	1.87556e-02	0.2%	2	257	0.948
6	0	-14	1.28952	73.3558	4.51370e-03	0.0%	2	232	0.945
18	0	-10	1.28944	73.3613	2.32560e-03	0.0%	2	424	0.945
6	2	7	1.28914	73.3806	9.08868e-04	0.0%	2	89	0.945
6	-2	7	1.28914	73.3806	5.76148e-04	0.0%	2	89	0.945
12	0	4	1.28899	73.3909	9.01249e-05	0.0%	2	160	0.945
17	1	-4	1.28878	73.4047	4.83336e-03	0.0%	2	306	0.944
1	4	1.28878	73.4047	4.59461e-03	0.0%	2	306	0.944	
9	3	1	1.28777	73.4717	2.46284e-03	0.0%	2	91	0.943
9	-3	1	1.28777	73.4717	1.14938e-03	0.0%	2	91	0.943
11	3	-2	1.28261	73.8159	1.22519e-03	0.0%	2	134	0.934

3	2	1.28261	73.8159	3.88070e-04	0.0%	2	134	0.934	
-9	1	14	1.28256	73.8198	6.73164e-03	0.1%	2	278	0.934
9	1	-14	1.28256	73.8198	7.42007e-03	0.1%	2	278	0.934
18	0	-5	1.27983	74.0032	6.30999e-05	0.0%	2	349	0.930
1	14	1.27930	74.0393	5.89039e-03	0.1%	2	318	0.929	
11	1	-14	1.27930	74.0393	5.86098e-03	0.1%	2	318	0.929
2	12	1.27898	74.0606	5.32764e-03	0.1%	2	292	0.929	
12	2	-12	1.27898	74.0606	6.19952e-03	0.1%	2	292	0.929
15	1	0	1.27708	74.1890	1.95238e-03	0.0%	4	226	0.926
16	0	-13	1.27698	74.1959	9.60813e-03	0.1%	2	425	0.925
2	0	-13	1.27677	74.2102	4.83931e-03	0.0%	2	173	0.925
14	0	-14	1.27641	74.2347	2.00447e-03	0.0%	2	392	0.925
14	2	-11	1.27629	74.2429	8.97290e-05	0.0%	2	321	0.924
2	11	1.27629	74.2429	3.77775e-04	0.0%	2	321	0.924	
17	1	-11	1.27612	74.2546	8.79725e-04	0.0%	2	411	0.924
1	11	1.27612	74.2546	9.80680e-04	0.0%	2	411	0.924	
14	2	-1	1.27589	74.2703	2.85997e-04	0.0%	2	201	0.924
2	1	1.27589	74.2703	3.68594e-04	0.0%	2	201	0.924	
10	0	6	1.27579	74.2766	4.12975e-04	0.0%	2	136	0.924
14	0	2	1.27577	74.2785	5.64227e-05	0.0%	2	200	0.924
-9	3	9	1.27566	74.2856	4.62316e-03	0.0%	2	171	0.923
9	3	-9	1.27566	74.2856	5.01077e-03	0.1%	2	171	0.923
6	0	9	1.27488	74.3392	3.35692e-03	0.0%	2	117	0.922
5	3	5	1.27462	74.3569	4.58911e-03	0.0%	2	59	0.922
5	-3	5	1.27462	74.3569	2.22104e-03	0.0%	2	59	0.922
16	2	-7	1.27124	74.5879	5.54171e-03	0.1%	2	309	0.916
2	7	1.27124	74.5879	6.21170e-03	0.1%	2	309	0.916	
1	13	1.26976	74.6898	4.14967e-03	0.0%	2	395	0.914	
15	1	-13	1.26976	74.6898	4.35058e-03	0.0%	2	395	0.914
-3	1	13	1.26958	74.7021	4.22580e-03	0.0%	2	179	0.914
3	1	-13	1.26958	74.7021	3.69689e-03	0.0%	2	179	0.914
-3	3	9	1.26834	74.7873	6.56179e-03	0.1%	2	99	0.912
3	3	-9	1.26834	74.7873	5.62904e-03	0.1%	2	99	0.912
16	2	-6	1.26819	74.7980	5.82725e-03	0.1%	2	296	0.912
2	6	1.26819	74.7980	7.37052e-03	0.1%	2	296	0.912	
11	3	-8	1.26818	74.7986	1.67667e-03	0.0%	2	194	0.912
3	8	1.26818	74.7986	1.49929e-03	0.0%	2	194	0.912	
10	2	4	1.26799	74.8115	1.42325e-03	0.0%	2	120	0.911

10	-2	4	1.26799	74.8115	2.72727e-03	0.0%	2	120	0.911
-4	2	12	1.26595	74.9527	5.79847e-03	0.1%	2	164	0.908
4	2	-12	1.26595	74.9527	5.69506e-03	0.1%	2	164	0.908
16	2	-8	1.26589	74.9573	9.27342e-04	0.0%	2	324	0.908
2	8	1.26589	74.9573	9.78049e-04	0.0%	2	324	0.908	
18	0	-11	1.26561	74.9769	2.78021e-03	0.0%	2	445	0.908
-7	1	14	1.26472	75.0387	8.22523e-03	0.1%	2	246	0.906
7	1	-14	1.26472	75.0387	8.01129e-03	0.1%	2	246	0.906
7	1	8	1.26429	75.0688	2.31598e-03	0.0%	2	114	0.906
7	-1	8	1.26429	75.0688	1.79800e-03	0.0%	2	114	0.906
12	2	2	1.26165	75.2530	8.15327e-04	0.0%	2	152	0.902
12	-2	2	1.26165	75.2530	1.43359e-03	0.0%	2	152	0.902
16	2	-5	1.25691	75.5861	1.50962e-04	0.0%	2	285	0.895
2	5	1.25691	75.5861	5.15582e-04	0.0%	2	285	0.895	
17	1	-3	1.25665	75.6048	4.67024e-03	0.0%	2	299	0.894
1	3	1.25665	75.6048	4.69100e-03	0.0%	2	299	0.894	
11	3	-1	1.25557	75.6810	1.11060e-03	0.0%	2	131	0.893
3	1	1.25557	75.6810	8.02201e-04	0.0%	2	131	0.893	
1	14	1.25540	75.6929	4.90747e-04	0.0%	2	366	0.892	
13	1	-14	1.25540	75.6929	6.90934e-04	0.0%	2	366	0.892
18	0	-4	1.25294	75.8680	1.64880e-03	0.0%	2	340	0.889
16	2	-9	1.25245	75.9033	5.25867e-03	0.1%	2	341	0.888
2	9	1.25245	75.9033	5.27357e-03	0.1%	2	341	0.888	
8	2	6	1.24928	76.1303	1.73603e-03	0.0%	2	104	0.883
8	-2	6	1.24928	76.1303	2.90506e-03	0.0%	2	104	0.883
0	4	0	1.24853	76.1843	2.52889e-03	0.0%	2	16	0.882
11	1	5	1.24506	76.4344	3.15681e-04	0.0%	2	147	0.877
11	-1	5	1.24506	76.4344	3.06138e-04	0.0%	2	147	0.877
13	1	3	1.24505	76.4354	1.81822e-03	0.0%	2	179	0.877
13	-1	3	1.24505	76.4354	1.88550e-03	0.0%	2	179	0.877
0	4	1	1.24454	76.4720	4.30290e-03	0.0%	2	17	0.876
0	4	-1	1.24454	76.4720	4.27164e-03	0.0%	2	17	0.876
9	3	2	1.24313	76.5746	1.04298e-03	0.0%	2	94	0.874
9	-3	2	1.24313	76.5746	7.33078e-04	0.0%	2	94	0.874
17	1	-12	1.24161	76.6858	5.07013e-03	0.1%	2	434	0.872
1	12	1.24161	76.6858	5.65994e-03	0.1%	2	434	0.872	
2	4	-1	1.24153	76.6909	1.16351e-03	0.0%	2	21	0.872
-2	4	1	1.24153	76.6909	1.15786e-03	0.0%	2	21	0.872
4	0	-14	1.24110	76.7224	1.11454e-03	0.0%	2	212	0.871
-7	3	10	1.24040	76.7738	1.36811e-03	0.0%	2	158	0.870

7	3	-10	1.24040	76.7738	1.61045e-03	0.0%	2	158	0.870
7	3	4	1.24014	76.7928	1.91627e-03	0.0%	2	74	0.870
7	-3	4	1.24014	76.7928	7.68722e-04	0.0%	2	74	0.870
10	0	-15	1.23957	76.8343	6.28660e-03	0.1%	2	325	0.869
2	13	1.23896	76.8792	5.30463e-03	0.1%	2	273	0.868	
10	2	-13	1.23896	76.8792	5.90543e-03	0.1%	2	273	0.868
-8	2	13	1.23894	76.8812	3.14430e-03	0.0%	2	237	0.868
8	2	-13	1.23894	76.8812	3.45177e-03	0.0%	2	237	0.868
2	4	0	1.23873	76.8965	1.07539e-02	0.1%	4	20	0.868
8	0	8	1.23849	76.9137	3.49492e-04	0.0%	2	128	0.868
16	0	0	1.23844	76.9173	8.72153e-05	0.0%	2	256	0.868
2	2	10	1.23812	76.9412	5.20091e-04	0.0%	2	108	0.867
2	-2	10	1.23812	76.9412	5.20383e-04	0.0%	2	108	0.867
16	2	-4	1.23805	76.9460	4.52797e-03	0.0%	2	276	0.867
2	4	1.23805	76.9460	6.05561e-03	0.1%	2	276	0.867	
3	9	1.23760	76.9793	6.64800e-03	0.1%	2	211	0.866	
11	3	-9	1.23760	76.9793	7.03136e-03	0.1%	2	211	0.866
-2	4	2	1.23651	77.0597	3.63242e-03	0.0%	2	24	0.865
2	4	-2	1.23651	77.0597	3.68818e-03	0.0%	2	24	0.865
1	3	8	1.23579	77.1129	2.37352e-03	0.0%	2	74	0.864
1	-3	8	1.23579	77.1129	3.23308e-03	0.0%	2	74	0.864
18	0	-12	1.23523	77.1545	3.88365e-03	0.0%	2	468	0.863
12	0	-15	1.23368	77.2693	1.32166e-02	0.1%	2	369	0.861
0	2	11	1.23282	77.3330	1.60165e-03	0.0%	2	125	0.860
0	2	-11	1.23282	77.3330	1.79138e-03	0.0%	2	125	0.860
0	4	2	1.23282	77.3331	3.15735e-03	0.0%	2	20	0.860
0	4	-2	1.23282	77.3331	3.04790e-03	0.0%	2	20	0.860
2	12	1.23175	77.4124	3.20985e-03	0.0%	2	344	0.858	
14	2	-12	1.23175	77.4124	3.22917e-03	0.0%	2	344	0.858
16	2	-10	1.23167	77.4190	4.19279e-03	0.0%	2	360	0.858
2	10	1.23167	77.4190	3.02836e-03	0.0%	2	360	0.858	
3	3	7	1.23152	77.4300	3.45258e-04	0.0%	2	67	0.858
3	-3	7	1.23152	77.4300	3.51414e-04	0.0%	2	67	0.858
-5	3	10	1.23150	77.4312	4.35746e-03	0.0%	2	134	0.858
5	3	-10	1.23150	77.4312	3.69584e-03	0.0%	2	134	0.858
14	2	0	1.23132	77.4448	2.45677e-03	0.0%	4	200	0.858
-9	3	10	1.23008	77.5373	5.65348e-03	0.1%	2	190	0.856
9	3	-10	1.23008	77.5373	6.82885e-03	0.1%	2	190	0.856
4	2	9	1.22979	77.5595	4.31636e-03	0.0%	2	101	0.855
4	-2	9	1.22979	77.5595	2.84761e-03	0.0%	2	101	0.855
-5	1	14	1.22828	77.6727	4.06353e-04	0.0%	2	222	0.853
5	1	-14	1.22828	77.6727	2.51300e-04	0.0%	2	222	0.853

2	4	1	1.22825	77.6748	3.02098e-03	0.0%	2	21	0.853
2	-4	1	1.22825	77.6748	2.99548e-03	0.0%	2	21	0.853
13	3	-6	1.22705	77.7650	5.69781e-03	0.1%	2	214	0.852
3	6	1.22705	77.7650	3.75550e-03	0.0%	2	214	0.852	
-1	3	9	1.22652	77.8052	6.80320e-03	0.1%	2	91	0.851
1	3	-9	1.22652	77.8052	7.98819e-03	0.1%	2	91	0.851
13	3	-5	1.22647	77.8083	2.24685e-03	0.0%	2	203	0.851
3	5	1.22647	77.8083	2.08202e-03	0.0%	2	203	0.851	
8	0	-15	1.22633	77.8196	4.23270e-03	0.0%	2	289	0.851
-2	4	3	1.22394	78.0001	3.18114e-03	0.0%	2	29	0.847
2	4	-3	1.22394	78.0001	3.31287e-03	0.0%	2	29	0.847
16	0	-14	1.22368	78.0197	3.24464e-03	0.0%	2	452	0.847
11	3	0	1.22259	78.1027	4.26373e-03	0.0%	4	130	0.846
9	1	7	1.22158	78.1795	1.48989e-03	0.0%	2	131	0.844
9	-1	7	1.22158	78.1795	1.19135e-03	0.0%	2	131	0.844
15	1	1	1.22154	78.1822	8.69822e-04	0.0%	2	227	0.844
15	-1	1	1.22154	78.1822	8.13050e-04	0.0%	2	227	0.844
4	4	-2	1.22125	78.2048	8.14919e-03	0.1%	2	36	0.844
-4	4	2	1.22125	78.2048	8.19316e-03	0.1%	2	36	0.844
18	0	-3	1.22014	78.2893	2.79915e-04	0.0%	2	333	0.842
13	3	-7	1.22009	78.2932	9.03162e-04	0.0%	2	227	0.842
3	7	1.22009	78.2932	9.04617e-04	0.0%	2	227	0.842	
2	13	1.22006	78.2956	6.04255e-03	0.1%	2	317	0.842	
12	2	-13	1.22006	78.2956	6.51401e-03	0.1%	2	317	0.842
-6	2	13	1.21998	78.3016	1.44822e-03	0.0%	2	209	0.842
6	2	-13	1.21998	78.3016	1.59285e-03	0.0%	2	209	0.842
4	4	-1	1.21963	78.3279	1.13416e-03	0.0%	2	33	0.842
-4	4	1	1.21963	78.3279	1.28915e-03	0.0%	2	33	0.842
17	1	-2	1.21928	78.3548	3.39524e-04	0.0%	2	294	0.841
1	2	1.21928	78.3548	3.98037e-04	0.0%	2	294	0.841	
13	3	-4	1.21839	78.4230	3.09337e-03	0.0%	2	194	0.840
3	4	1.21839	78.4230	2.26474e-03	0.0%	2	194	0.840	
4	4	-3	1.21541	78.6524	6.29001e-04	0.0%	2	41	0.836
-4	4	3	1.21541	78.6524	5.03395e-04	0.0%	2	41	0.836
3	1	11	1.21535	78.6570	2.82577e-03	0.0%	2	131	0.836
3	-1	11	1.21535	78.6570	2.82892e-03	0.0%	2	131	0.836
1	1	12	1.21524	78.6659	1.68195e-03	0.0%	2	146	0.836
1	-1	12	1.21524	78.6659	2.16660e-03	0.0%	2	146	0.836
-2	2	12	1.21440	78.7305	1.02740e-03	0.0%	2	152	0.835
2	2	-12	1.21440	78.7305	1.11841e-03	0.0%	2	152	0.835
1	14	1.21	78.7504	1.65925e-04	0.0%	2	422	0.834	

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15	1	-14	1.21415	78.7504	3.16267e-04	0.0%	2	422	0.834
5	3	6	1.21412	78.7528	2.30562e-03	0.0%	2	70	0.834
5	-3	6	1.21412	78.7528	9.31193e-04	0.0%	2	70	0.834
0	4	3	1.21400	78.7620	4.81149e-03	0.0%	2	25	0.834
0	4	-3	1.21400	78.7620	4.81446e-03	0.0%	2	25	0.834
16	2	-3	1.21262	78.8689	1.78555e-04	0.0%	2	269	0.832
2	3	1.21262	78.8689	5.50348e-04	0.0%	2	269	0.832	
12	0	5	1.21160	78.9482	1.23402e-03	0.0%	2	169	0.831
2	4	2	1.21067	79.0209	2.64718e-03	0.0%	2	24	0.830
2	-4	2	1.21067	79.0209	3.33293e-03	0.0%	2	24	0.830
4	4	0	1.21067	79.0211	4.15605e-03	0.0%	4	32	0.830
14	0	-15	1.20943	79.1176	1.38128e-03	0.0%	2	421	0.828
14	0	3	1.20881	79.1659	3.84014e-04	0.0%	2	205	0.827
6	2	8	1.20862	79.1810	3.44981e-03	0.0%	2	104	0.827
6	-2	8	1.20862	79.1810	2.61889e-03	0.0%	2	104	0.827
19	1	-8	1.20691	79.3152	4.67594e-04	0.0%	2	426	0.825
1	8	1.20691	79.3152	7.66744e-04	0.0%	2	426	0.825	
2	0	12	1.20647	79.3499	1.52162e-04	0.0%	2	148	0.824
13	3	-8	1.20597	79.3899	1.27472e-03	0.0%	2	242	0.823
3	8	1.20597	79.3899	2.56767e-04	0.0%	2	242	0.823	
16	2	-11	1.20464	79.4949	6.21550e-04	0.0%	2	381	0.822
2	11	1.20464	79.4949	1.83559e-03	0.0%	2	381	0.822	
-3	3	10	1.20458	79.4992	3.41744e-03	0.0%	2	118	0.822
3	3	-10	1.20458	79.4992	4.58067e-03	0.0%	2	118	0.822
-2	4	4	1.20449	79.5064	1.26031e-03	0.0%	2	36	0.822
2	4	-4	1.20449	79.5064	1.20842e-03	0.0%	2	36	0.822
19	1	-9	1.20439	79.5147	3.91414e-03	0.0%	2	443	0.821
1	9	1.20439	79.5147	3.61301e-03	0.0%	2	443	0.821	
13	3	-3	1.20324	79.6054	4.78373e-04	0.0%	2	187	0.820
3	3	1.20324	79.6054	5.54116e-04	0.0%	2	187	0.820	
12	2	3	1.20287	79.6346	1.76699e-03	0.0%	2	157	0.819
12	-2	3	1.20287	79.6346	1.97905e-03	0.0%	2	157	0.819
5	1	10	1.20267	79.6511	2.21466e-04	0.0%	2	126	0.819
5	-1	10	1.20267	79.6511	2.00180e-04	0.0%	2	126	0.819
1	15	1.20257	79.6585	3.79799e-03	0.0%	2	347	0.819	
11	1	-15	1.20257	79.6585	4.32320e-03	0.0%	2	347	0.819
17	1	-13	1.20253	79.6616	6.13269e-03	0.1%	2	459	0.819
1	13	1.20253	79.6616	5.84983e-03	0.1%	2	459	0.819	

-4	4	4	1.20245	79.6683	4.01940e-03	0.0%	2	48	0.819
4	4	-4	1.20245	79.6683	3.84019e-03	0.0%	2	48	0.819
-1	1	13	1.20233	79.6777	2.05847e-03	0.0%	2	171	0.819
1	1	-13	1.20233	79.6777	2.23354e-03	0.0%	2	171	0.819
19	1	-7	1.20225	79.6844	3.76683e-03	0.0%	2	411	0.819
1	7	1.20225	79.6844	3.37134e-03	0.0%	2	411	0.819	
3	10	1.20193	79.7097	2.91770e-03	0.0%	2	230	0.818	
11	3	-10	1.20193	79.7097	2.71057e-03	0.0%	2	230	0.818
4	0	11	1.20078	79.8014	1.37123e-03	0.0%	2	137	0.817
10	2	5	1.20017	79.8501	1.65296e-03	0.0%	2	129	0.816
10	-2	5	1.20017	79.8501	2.77573e-03	0.0%	2	129	0.816
18	0	-13	1.19977	79.8818	2.19684e-03	0.0%	2	493	0.816
0	0	13	1.19955	79.8999	6.10161e-03	0.1%	2	169	0.815
-9	1	15	1.19915	79.9314	4.24726e-03	0.0%	2	307	0.815
9	1	-15	1.19915	79.9314	5.29553e-03	0.1%	2	307	0.815
9	3	3	1.19574	80.2058	4.75212e-04	0.0%	2	99	0.810
9	-3	3	1.19574	80.2058	5.82379e-04	0.0%	2	99	0.810
6	0	-15	1.19569	80.2100	8.80116e-04	0.0%	2	261	0.810
4	4	1	1.19481	80.2805	5.05779e-03	0.1%	2	33	0.809
4	-4	1	1.19481	80.2805	6.06821e-03	0.1%	2	33	0.809
19	1	-10	1.19480	80.2819	8.60333e-04	0.0%	2	462	0.809
1	10	1.19480	80.2819	1.19466e-03	0.0%	2	462	0.809	
10	0	7	1.19258	80.4619	8.32039e-06	0.0%	2	149	0.807
19	1	-6	1.19063	80.6204	2.33858e-04	0.0%	2	398	0.804
1	6	1.19063	80.6204	2.40795e-04	0.0%	2	398	0.804	
6	4	-3	1.18954	80.7099	1.75193e-03	0.0%	2	61	0.803
-6	4	3	1.18954	80.7099	2.08284e-03	0.0%	2	61	0.803
0	4	4	1.18904	80.7508	2.64746e-03	0.0%	2	32	0.802
0	4	-4	1.18904	80.7508	2.74502e-03	0.0%	2	32	0.802
6	4	-2	1.18903	80.7515	2.15336e-03	0.0%	2	56	0.802
-6	4	2	1.18903	80.7515	2.20877e-03	0.0%	2	56	0.802
1	15	1.18854	80.7915	3.20275e-03	0.0%	2	395	0.802	
13	1	-15	1.18854	80.7915	3.30944e-03	0.0%	2	395	0.802
2	4	3	1.18689	80.9276	5.88114e-03	0.1%	2	29	0.800
2	-4	3	1.18689	80.9276	6.94396e-03	0.1%	2	29	0.800
-7	3	11	1.18544	81.0469	8.64768e-04	0.0%	2	179	0.798
7	3	-11	1.18544	81.0469	8.98471e-04	0.0%	2	179	0.798
13	3	-9	1.18541	81.0491	1.14569e-03	0.0%	2	259	0.798
3	9	1.18541	81.0491	8.45237e-04	0.0%	2	259	0.798	
7	3	5	1.18518	81.0682	2.40508e-03	0.0%	2	83	0.798
7	-3	5	1.18518	81.0682	1.05284e-03	0.0%	2	83	0.798

11	3	1	1.18517	81.0695	1.68774e-03	0.0%	2	131	0.798
11	-3	1	1.18517	81.0695	2.65875e-03	0.0%	2	131	0.798
2	13	1.18468	81.1096	6.37758e-03	0.1%	2	369	0.797	
14	2	-13	1.18468	81.1096	6.48761e-03	0.1%	2	369	0.797
16	0	1	1.18465	81.1118	2.61256e-04	0.0%	2	257	0.797
-4	2	13	1.18456	81.1196	3.58463e-03	0.0%	2	189	0.797
4	2	-13	1.18456	81.1196	4.73769e-03	0.0%	2	189	0.797
14	2	1	1.18423	81.1470	1.21716e-03	0.0%	2	201	0.796
14	-2	1	1.18423	81.1470	1.54501e-03	0.0%	2	201	0.796
6	4	-4	1.18317	81.2345	3.77618e-03	0.0%	2	68	0.795
-6	4	4	1.18317	81.2345	4.24522e-03	0.0%	2	68	0.795
-4	4	5	1.18302	81.2471	3.39368e-03	0.0%	2	57	0.795
4	4	-5	1.18302	81.2471	3.11971e-03	0.0%	2	57	0.795
6	0	10	1.18298	81.2503	4.05069e-04	0.0%	2	136	0.795
18	0	-2	1.18292	81.2557	1.10082e-03	0.0%	2	328	0.795
-9	3	11	1.18221	81.3147	2.18305e-03	0.0%	2	211	0.794
9	3	-11	1.18221	81.3147	2.74736e-03	0.0%	2	211	0.794
16	2	-2	1.18184	81.3452	2.03050e-03	0.0%	2	264	0.794
2	2	1.18184	81.3452	1.97488e-03	0.0%	2	264	0.794	
13	3	-2	1.18179	81.3493	1.76225e-03	0.0%	2	182	0.794
3	2	1.18179	81.3493	2.67350e-03	0.0%	2	182	0.794	
6	4	-1	1.18168	81.3591	6.09066e-03	0.1%	2	53	0.793
-6	4	1	1.18168	81.3591	6.97146e-03	0.1%	2	53	0.793
20	0	-9	1.18107	81.4096	1.16472e-04	0.0%	2	481	0.793
2	0	-14	1.18063	81.4464	2.37486e-03	0.0%	2	200	0.792
20	0	-8	1.18054	81.4538	1.65547e-03	0.0%	2	464	0.792
-2	4	5	1.17914	81.5711	1.84121e-03	0.0%	2	45	0.790
2	4	-5	1.17914	81.5711	1.44200e-03	0.0%	2	45	0.790
13	1	4	1.17872	81.6064	4.21209e-04	0.0%	2	186	0.790
13	-1	4	1.17872	81.6064	5.29612e-04	0.0%	2	186	0.790
-7	1	15	1.17871	81.6071	5.38379e-04	0.0%	2	275	0.790
7	1	-15	1.17871	81.6071	5.41415e-04	0.0%	2	275	0.790
19	1	-11	1.17864	81.6129	1.28453e-03	0.0%	2	483	0.790
1	11	1.17864	81.6129	1.07483e-03	0.0%	2	483	0.790	
7	1	9	1.17833	81.6390	1.41235e-03	0.0%	2	131	0.789
7	-1	9	1.17833	81.6390	1.95098e-03	0.0%	2	131	0.789
17	1	-1	1.17828	81.6435	1.41974e-03	0.0%	2	291	0.789
1	1	1.17828	81.6435	1.53079e-03	0.0%	2	291	0.789	
-3	1	14	1.17781	81.6831	5.65953e-04	0.0%	2	206	0.789
3	1	-14	1.17781	81.6831	3.82621e-04	0.0%	2	206	0.789
8	2	7	1.17653	81.7903	2.92174e-03	0.0%	2	117	0.787
8	-2	7	1.17653	81.7903	3.04874e-03	0.0%	2	117	0.787

20	0	-10	1.17488	81.9305	8.67526e-04	0.0%	2	500	0.785
20	0	-7	1.17331	82.0630	3.44591e-04	0.0%	2	449	0.784
4	4	2	1.17288	82.1001	2.02116e-03	0.0%	2	36	0.783
4	-4	2	1.17288	82.1001	2.62294e-03	0.0%	2	36	0.783
19	1	-5	1.17266	82.1187	1.73194e-03	0.0%	2	387	0.783
1	5	1.17266	82.1187	1.92604e-03	0.0%	2	387	0.783	
2	14	1.17266	82.1190	3.80710e-03	0.0%	2	300	0.783	
10	2	-14	1.17266	82.1190	4.01451e-03	0.0%	2	300	0.783
16	2	-12	1.17262	82.1219	6.89425e-03	0.1%	2	404	0.783
2	12	1.17262	82.1219	8.03949e-03	0.1%	2	404	0.783	
-5	3	11	1.17195	82.1795	8.20901e-04	0.0%	2	155	0.782
5	3	-11	1.17195	82.1795	1.23390e-03	0.0%	2	155	0.782
1	3	9	1.17183	82.1897	9.66947e-03	0.1%	2	91	0.782
1	-3	9	1.17183	82.1897	7.55037e-03	0.1%	2	91	0.782
11	1	6	1.17111	82.2506	2.58113e-04	0.0%	2	158	0.781
11	-1	6	1.17111	82.2506	2.32935e-04	0.0%	2	158	0.781
-6	4	5	1.17027	82.3229	9.30880e-04	0.0%	2	77	0.780
6	4	-5	1.17027	82.3229	8.88889e-04	0.0%	2	77	0.780
16	0	-15	1.16990	82.3546	3.31087e-03	0.0%	2	481	0.780
3	3	8	1.16912	82.4216	2.32759e-03	0.0%	2	82	0.779
3	-3	8	1.16912	82.4216	1.45014e-03	0.0%	2	82	0.779
6	4	0	1.16785	82.5301	3.29207e-03	0.0%	4	52	0.778
-8	2	14	1.16699	82.6050	1.72295e-03	0.0%	2	264	0.777
8	2	-14	1.16699	82.6050	1.79617e-03	0.0%	2	264	0.777
15	1	2	1.16609	82.6820	1.97373e-03	0.0%	2	230	0.776
15	-1	2	1.16609	82.6820	1.91099e-03	0.0%	2	230	0.776
-1	3	10	1.16299	82.9513	9.48994e-04	0.0%	2	110	0.772
1	3	-10	1.16299	82.9513	1.14524e-03	0.0%	2	110	0.772
3	11	1.16266	82.9803	7.19124e-03	0.1%	2	251	0.772	
11	3	-11	1.16266	82.9803	6.89803e-03	0.1%	2	251	0.772
20	0	-11	1.16226	83.0145	1.56340e-03	0.0%	2	521	0.771
2	14	1.16208	83.0303	3.64956e-03	0.0%	2	344	0.771	
12	2	-14	1.16208	83.0303	4.00227e-03	0.0%	2	344	0.771
18	2	-8	1.16186	83.0495	4.62271e-04	0.0%	2	392	0.771
2	8	1.16186	83.0495	1.50122e-04	0.0%	2	392	0.771	
12	0	-16	1.16076	83.1464	3.50823e-05	0.0%	2	400	0.770
18	0	-14	1.16072	83.1497	5.24057e-03	0.1%	2	520	0.770
1	14	1.16045	83.1730	1.83816e-03	0.0%	2	486	0.769	
17	1	-14	1.16045	83.1730	1.45763e-03	0.0%	2	486	0.769
18	2	-7	1.16044	83.1736	6.35228e-03	0.1%	2	377	0.769

2	7	1.16044	83.1736	7.14297e-03	0.1%	2	377	0.769	
10	0	-16	1.16012	83.2025	6.55031e-03	0.1%	2	356	0.769
20	0	-6	1.15975	83.2346	2.06820e-03	0.0%	2	436	0.769
13	3	-10	1.15941	83.2642	3.92900e-03	0.0%	2	278	0.768
3	10	1.15941	83.2642	3.90820e-03	0.0%	2	278	0.768	
0	4	5	1.15910	83.2918	4.75690e-03	0.0%	2	41	0.768
0	4	-5	1.15910	83.2918	5.08515e-03	0.1%	2	41	0.768
1	15	1.15880	83.3177	7.78899e-03	0.1%	2	451	0.768	
15	1	-15	1.15880	83.3177	7.71221e-03	0.1%	2	451	0.768
-4	4	6	1.15807	83.3824	2.06858e-04	0.0%	2	68	0.767
4	4	-6	1.15807	83.3824	1.52441e-04	0.0%	2	68	0.767
2	4	4	1.15801	83.3875	1.96242e-04	0.0%	2	36	0.767
2	-4	4	1.15801	83.3875	3.48756e-04	0.0%	2	36	0.767
2	2	11	1.15798	83.3900	3.87663e-03	0.0%	2	129	0.767
2	-2	11	1.15798	83.3900	4.26998e-03	0.0%	2	129	0.767
18	2	-9	1.15687	83.4885	4.08844e-03	0.0%	2	409	0.766
2	9	1.15687	83.4885	5.16717e-03	0.1%	2	409	0.766	
19	1	-12	1.15671	83.5024	3.49546e-03	0.0%	2	506	0.765
1	12	1.15671	83.5024	3.46026e-03	0.0%	2	506	0.765	
5	3	7	1.15510	83.6455	7.66657e-04	0.0%	2	83	0.764
5	-3	7	1.15510	83.6455	1.13910e-03	0.0%	2	83	0.764
13	3	-1	1.15507	83.6481	1.53346e-03	0.0%	2	179	0.764
3	1	1.15507	83.6481	2.29068e-03	0.0%	2	179	0.764	
8	0	9	1.15464	83.6857	2.24373e-03	0.0%	2	145	0.763
0	2	12	1.15275	83.8544	2.88916e-03	0.0%	2	148	0.761
0	2	-12	1.15275	83.8544	2.01235e-03	0.0%	2	148	0.761
18	2	-6	1.15268	83.8604	1.69404e-03	0.0%	2	364	0.761
2	6	1.15268	83.8604	2.53546e-03	0.0%	2	364	0.761	
4	2	10	1.15205	83.9168	1.55554e-03	0.0%	2	120	0.761
4	-2	10	1.15205	83.9168	1.62875e-03	0.0%	2	120	0.761
-6	4	6	1.15144	83.9711	2.62574e-03	0.0%	2	88	0.760
6	4	-6	1.15144	83.9711	2.54859e-03	0.0%	2	88	0.760
4	0	-15	1.15136	83.9782	7.52717e-04	0.0%	2	241	0.760
8	4	-3	1.14945	84.1497	3.17626e-03	0.0%	2	89	0.758
-8	4	3	1.14945	84.1497	3.17998e-03	0.0%	2	89	0.758
19	1	-4	1.14918	84.1740	5.00470e-03	0.1%	2	378	0.758
1	4	1.14918	84.1740	5.59051e-03	0.1%	2	378	0.758	
-2	4	6	1.14904	84.1872	1.93007e-03	0.0%	2	56	0.757
2	4	-6	1.14904	84.1872	1.59809e-03	0.0%	2	56	0.757

8	4	-4	1.14903	84.1883	5.66003e-04	0.0%	2	96	0.757
-8	4	4	1.14903	84.1883	4.97587e-04	0.0%	2	96	0.757
6	4	1	1.14823	84.2601	4.10557e-03	0.0%	2	53	0.757
6	-4	1	1.14823	84.2601	3.96760e-03	0.0%	2	53	0.757
9	3	4	1.14713	84.3597	2.59274e-03	0.0%	2	106	0.755
9	-3	4	1.14713	84.3597	3.14008e-03	0.0%	2	106	0.755
16	2	-1	1.14704	84.3674	2.98687e-04	0.0%	2	261	0.755
2	1	1.14704	84.3674	2.88647e-04	0.0%	2	261	0.755	
4	4	3	1.14587	84.4737	2.47553e-03	0.0%	2	41	0.754
4	-4	3	1.14587	84.4737	2.80532e-03	0.0%	2	41	0.754
14	0	-16	1.14576	84.4837	1.53721e-04	0.0%	2	452	0.754
-6	2	14	1.14576	84.4838	4.46323e-03	0.0%	2	236	0.754
6	2	-14	1.14576	84.4838	5.26218e-03	0.1%	2	236	0.754
18	2	-10	1.14570	84.4891	1.21315e-03	0.0%	2	428	0.754
2	10	1.14570	84.4891	1.43662e-03	0.0%	2	428	0.754	
12	2	4	1.14539	84.5176	8.26885e-04	0.0%	2	164	0.754
12	-2	4	1.14539	84.5176	9.43761e-04	0.0%	2	164	0.754
14	0	4	1.14518	84.5367	7.18455e-04	0.0%	2	212	0.754
11	3	2	1.14476	84.5743	3.32283e-04	0.0%	2	134	0.753
11	-3	2	1.14476	84.5743	8.67823e-04	0.0%	2	134	0.753
9	1	8	1.14440	84.6072	1.24995e-04	0.0%	2	146	0.753
9	-1	8	1.14440	84.6072	2.28567e-04	0.0%	2	146	0.753
8	0	-16	1.14392	84.6516	5.84864e-03	0.1%	2	320	0.752
20	0	-12	1.14385	84.6578	2.48994e-04	0.0%	2	544	0.752
-5	1	15	1.14373	84.6684	2.08208e-03	0.0%	2	251	0.752
5	1	-15	1.14373	84.6684	2.00657e-03	0.0%	2	251	0.752
15	3	-6	1.14373	84.6686	3.43790e-04	0.0%	2	270	0.752
3	6	1.14373	84.6686	4.62318e-04	0.0%	2	270	0.752	
8	4	-2	1.14368	84.6729	2.61142e-03	0.0%	2	84	0.752
-8	4	2	1.14368	84.6729	2.66777e-03	0.0%	2	84	0.752
-3	3	11	1.14336	84.7019	4.77538e-04	0.0%	2	139	0.752
3	3	-11	1.14336	84.7019	1.43677e-03	0.0%	2	139	0.752
15	3	-7	1.14332	84.7059	6.75852e-03	0.1%	2	283	0.752
3	7	1.14332	84.7059	6.12420e-03	0.1%	2	283	0.752	
18	0	-1	1.14272	84.7604	6.27087e-03	0.1%	2	325	0.751
8	4	-5	1.14242	84.7887	3.35626e-03	0.0%	2	105	0.751
-8	4	5	1.14242	84.7887	3.64462e-03	0.0%	2	105	0.751
12	0	6	1.14051	84.9632	2.39351e-04	0.0%	2	180	0.749
20	0	-5	1.14049	84.9650	9.37681e-07	0.0%	2	425	0.749
18	2	-5	1.13895	85.1077	4.34356e-04	0.0%	2	353	0.747
2	5	1.13895	85.1077	5.74174e-04	0.0%	2	353	0.747	
15	3	-5	1.13803	85.1927	3.74495e-03	0.0%	2	259	0.747

3	5	1.13803	85.1927	4.80451e-03	0.0%	2	259	0.747	
2	13	1.13694	85.2936	2.00681e-03	0.0%	2	429	0.746	
16	2	-13	1.13694	85.2936	2.40059e-03	0.0%	2	429	0.746
15	3	-8	1.13682	85.3044	9.39452e-04	0.0%	2	298	0.745
3	8	1.13682	85.3044	1.85065e-03	0.0%	2	298	0.745	
-2	2	13	1.13679	85.3075	4.73216e-03	0.0%	2	177	0.745
2	2	-13	1.13679	85.3075	4.36192e-03	0.0%	2	177	0.745
2	14	1.13654	85.3311	2.62194e-03	0.0%	2	396	0.745	
14	2	-14	1.13654	85.3311	2.04820e-03	0.0%	2	396	0.745
10	2	6	1.13610	85.3716	3.13402e-04	0.0%	2	140	0.745
10	-2	6	1.13610	85.3716	6.16821e-04	0.0%	2	140	0.745
14	2	2	1.13608	85.3734	1.33384e-04	0.0%	2	204	0.745
14	-2	2	1.13608	85.3734	2.31960e-04	0.0%	2	204	0.745
6	2	9	1.13545	85.4320	5.75685e-04	0.0%	2	121	0.744
6	-2	9	1.13545	85.4320	6.70101e-04	0.0%	2	121	0.744
17	1	0	1.13509	85.4658	3.88857e-04	0.0%	4	290	0.744
-9	3	12	1.13349	85.6155	9.71944e-04	0.0%	2	234	0.742
9	3	-12	1.13349	85.6155	9.65599e-04	0.0%	2	234	0.742
1	16	1.13217	85.7393	2.78187e-03	0.0%	2	378	0.741	
11	1	-16	1.13217	85.7393	3.37742e-03	0.0%	2	378	0.741
8	4	-1	1.13198	85.7565	1.47751e-03	0.0%	2	81	0.741
-8	4	1	1.13198	85.7565	1.25328e-03	0.0%	2	81	0.741
16	0	2	1.13131	85.8196	7.89446e-04	0.0%	2	260	0.740
-7	3	12	1.13119	85.8310	5.51967e-04	0.0%	2	202	0.740
7	3	-12	1.13119	85.8310	4.48790e-04	0.0%	2	202	0.740
7	3	6	1.13094	85.8548	7.34277e-04	0.0%	2	94	0.740
7	-3	6	1.13094	85.8548	4.79549e-04	0.0%	2	94	0.740
3	1	12	1.13070	85.8770	1.03389e-03	0.0%	2	154	0.740
3	-1	12	1.13070	85.8770	1.04805e-03	0.0%	2	154	0.740
19	1	-13	1.12998	85.9457	3.10934e-04	0.0%	2	531	0.739
1	13	1.12998	85.9457	3.34994e-04	0.0%	2	531	0.739	
8	4	-6	1.12994	85.9492	1.37153e-03	0.0%	2	116	0.739
-8	4	6	1.12994	85.9492	1.59180e-03	0.0%	2	116	0.739
1	1	13	1.12977	85.9655	2.41756e-04	0.0%	2	171	0.739
1	-1	13	1.12977	85.9655	4.61030e-04	0.0%	2	171	0.739
3	11	1.12909	86.0298	4.29145e-03	0.0%	2	299	0.738	
13	3	-11	1.12909	86.0298	3.38146e-03	0.0%	2	299	0.738
18	2	-11	1.12889	86.0487	5.06900e-05	0.0%	2	449	0.738
2	11	1.12889	86.0487	2.57771e-05	0.0%	2	449	0.738	

-4	4	7	1.12867	86.0692	3.77667e-03	0.0%	2	81	0.738
4	4	-7	1.12867	86.0692	3.87331e-03	0.0%	2	81	0.738
-6	4	7	1.12756	86.1749	2.16904e-03	0.0%	2	101	0.737
6	4	-7	1.12756	86.1749	2.40351e-03	0.0%	2	101	0.737
15	3	-4	1.12649	86.2769	8.16212e-04	0.0%	2	250	0.736
3	4	1.12649	86.2769	1.16939e-03	0.0%	2	250	0.736	
1	16	1.12543	86.3777	4.75237e-03	0.0%	2	426	0.735	
13	1	-16	1.12543	86.3777	4.65488e-03	0.0%	2	426	0.735
0	4	6	1.12541	86.3800	2.22620e-03	0.0%	2	52	0.735
0	4	-6	1.12541	86.3800	2.24083e-03	0.0%	2	52	0.735
2	4	5	1.12524	86.3956	8.94385e-04	0.0%	2	45	0.735
2	-4	5	1.12524	86.3956	1.39245e-03	0.0%	2	45	0.735
15	3	-9	1.12454	86.4628	1.86141e-03	0.0%	2	315	0.734
3	9	1.12454	86.4628	8.93450e-04	0.0%	2	315	0.734	
-9	1	16	1.12426	86.4894	1.28407e-03	0.0%	2	338	0.734
9	1	-16	1.12426	86.4894	1.68937e-03	0.0%	2	338	0.734
13	3	0	1.12418	86.4971	1.75331e-03	0.0%	4	178	0.734
6	4	2	1.12368	86.5453	1.36862e-03	0.0%	2	56	0.733
6	-4	2	1.12368	86.5453	1.14456e-03	0.0%	2	56	0.733
5	1	11	1.12129	86.7757	1.66971e-03	0.0%	2	147	0.731
5	-1	11	1.12129	86.7757	1.38950e-03	0.0%	2	147	0.731
19	1	-3	1.12122	86.7819	1.23374e-05	0.0%	2	371	0.731
1	3	1.12122	86.7819	2.06738e-06	0.0%	2	371	0.731	
3	12	1.12116	86.7883	1.57733e-03	0.0%	2	274	0.731	
11	3	-12	1.12116	86.7883	1.21546e-03	0.0%	2	274	0.731
20	0	-13	1.12045	86.8568	5.32370e-04	0.0%	2	569	0.731
2	0	13	1.12022	86.8785	2.71418e-03	0.0%	2	173	0.730
18	2	-4	1.11987	86.9128	2.24361e-03	0.0%	2	344	0.730
2	4	1.11987	86.9128	2.20595e-03	0.0%	2	344	0.730	
18	0	-15	1.11943	86.9554	5.07429e-03	0.1%	2	549	0.730
-1	1	14	1.11855	87.0408	1.77006e-03	0.0%	2	198	0.729
1	1	-14	1.11855	87.0408	2.04411e-03	0.0%	2	198	0.729
10	0	8	1.11798	87.0965	2.53822e-03	0.0%	2	164	0.729
16	0	-16	1.11686	87.2058	8.54115e-04	0.0%	2	512	0.728
1	15	1.11673	87.2187	8.70943e-03	0.1%	2	515	0.727	
17	1	-15	1.11673	87.2187	8.11456e-03	0.1%	2	515	0.727
4	0	12	1.11647	87.2436	1.66873e-03	0.0%	2	160	0.727
20	0	-4	1.11640	87.2507	7.27779e-04	0.0%	2	416	0.727
13	1	5	1.11621	87.2692	1.85423e-06	0.0%	2	195	0.727
13	-1	5	1.11621	87.2692	3.34897e-05	0.0%	2	195	0.727

-2	4	7	1.11538	87.3510	1.88567e-03	0.0%	2	69	0.726
2	4	-7	1.11538	87.3510	2.05241e-03	0.0%	2	69	0.726
4	4	4	1.11490	87.3976	8.98790e-05	0.0%	2	48	0.726
4	-4	4	1.11490	87.3976	1.44461e-04	0.0%	2	48	0.726
8	4	0	1.11489	87.3985	2.38407e-03	0.0%	4	80	0.726
-5	3	12	1.11453	87.4340	3.95863e-04	0.0%	2	178	0.726
5	3	-12	1.11453	87.4340	7.99399e-04	0.0%	2	178	0.726
6	0	-16	1.11402	87.4846	4.81683e-04	0.0%	2	292	0.725
0	0	14	1.11386	87.4998	5.17181e-04	0.0%	2	196	0.725
-8	4	7	1.11216	87.6678	2.18830e-03	0.0%	2	129	0.724
8	4	-7	1.11216	87.6678	2.20744e-03	0.0%	2	129	0.724
15	1	3	1.11187	87.6964	1.38655e-03	0.0%	2	235	0.724
15	-1	3	1.11187	87.6964	1.67236e-03	0.0%	2	235	0.724
-4	2	14	1.11140	87.7437	1.80613e-03	0.0%	2	216	0.723
4	2	-14	1.11140	87.7437	2.41650e-03	0.0%	2	216	0.723
1	3	10	1.11118	87.7650	4.58489e-04	0.0%	2	110	0.723
1	-3	10	1.11118	87.7650	1.09451e-03	0.0%	2	110	0.723
2	15	1.11030	87.8528	3.26346e-04	0.0%	2	329	0.722	
10	2	-15	1.11030	87.8528	1.99765e-04	0.0%	2	329	0.722
3	3	9	1.10967	87.9154	8.36848e-04	0.0%	2	99	0.722
3	-3	9	1.10967	87.9154	1.77315e-04	0.0%	2	99	0.722
15	3	-3	1.10963	87.9194	1.30267e-03	0.0%	2	243	0.722
3	3	1.10963	87.9194	2.21537e-03	0.0%	2	243	0.722	
8	2	8	1.10952	87.9301	7.25454e-04	0.0%	2	132	0.722
8	-2	8	1.10952	87.9301	1.03754e-03	0.0%	2	132	0.722
16	2	0	1.10948	87.9337	2.68132e-04	0.0%	4	260	0.722
18	2	-12	1.10717	88.1649	1.96224e-03	0.0%	2	472	0.720
2	12	1.10717	88.1649	1.72769e-03	0.0%	2	472	0.720	
15	3	-10	1.10703	88.1793	4.93015e-03	0.0%	2	334	0.720
3	10	1.10703	88.1793	4.03546e-03	0.0%	2	334	0.720	
2	15	1.10605	88.2769	2.98477e-03	0.0%	2	373	0.719	
12	2	-15	1.10605	88.2769	2.56782e-03	0.0%	2	373	0.719
1	16	1.10481	88.4020	3.65975e-03	0.0%	2	482	0.718	
15	1	-16	1.10481	88.4020	3.63625e-03	0.0%	2	482	0.718
10	4	-4	1.10371	88.5129	9.08711e-04	0.0%	2	132	0.717
4	4	1.10371	88.5129	5.75172e-04	0.0%	2	132	0.717	
11	1	7	1.10338	88.5465	1.68585e-03	0.0%	2	171	0.717
11	-1	7	1.10338	88.5465	1.55998e-03	0.0%	2	171	0.717
6	0	11	1.10291	88.5941	7.08628e-04	0.0%	2	157	0.717
-1	3	11	1.10285	88.6002	3.00067e-03	0.0%	2	131	0.717

1	3	-11	1.10285	88.6002	3.47396e-03	0.0%	2	131	0.717
11	3	3	1.10267	88.6182	9.12234e-04	0.0%	2	139	0.716
11	-3	3	1.10267	88.6182	2.25823e-03	0.0%	2	139	0.716
-7	1	16	1.10261	88.6249	1.93965e-03	0.0%	2	306	0.716
7	1	-16	1.10261	88.6249	2.20177e-03	0.0%	2	306	0.716
10	4	-5	1.10255	88.6309	3.68690e-04	0.0%	2	141	0.716
4	5	1.10255	88.6309	2.62831e-04	0.0%	2	141	0.716	
7	1	10	1.10227	88.6592	1.73394e-03	0.0%	2	150	0.716
7	-1	10	1.10227	88.6592	1.31867e-03	0.0%	2	150	0.716
18	0	0	1.10084	88.8049	3.72878e-04	0.0%	2	324	0.715
-8	2	15	1.10075	88.8144	2.09690e-03	0.0%	2	293	0.715
8	2	-15	1.10075	88.8144	1.93348e-03	0.0%	2	293	0.715
-6	4	8	1.09959	88.9323	8.02741e-04	0.0%	2	116	0.714
6	4	-8	1.09959	88.9323	1.02071e-03	0.0%	2	116	0.714
19	1	-14	1.09951	88.9409	3.64609e-03	0.0%	2	558	0.714
1	14	1.09951	88.9409	3.65760e-03	0.0%	2	558	0.714	
10	4	-3	1.09938	88.9543	1.93041e-03	0.0%	2	125	0.714
4	3	1.09938	88.9543	2.12498e-03	0.0%	2	125	0.714	
2	14	1.09883	89.0102	1.78002e-03	0.0%	2	456	0.714	
16	2	-14	1.09883	89.0102	1.53743e-03	0.0%	2	456	0.714
9	3	5	1.09851	89.0433	7.86515e-04	0.0%	2	115	0.713
9	-3	5	1.09851	89.0433	1.22910e-03	0.0%	2	115	0.713
5	3	8	1.09843	89.0512	1.95879e-03	0.0%	2	98	0.713
5	-3	8	1.09843	89.0512	1.87372e-03	0.0%	2	98	0.713
-3	1	15	1.09795	89.1004	1.66367e-03	0.0%	2	235	0.713
3	1	-15	1.09795	89.1004	1.48878e-03	0.0%	2	235	0.713
2	0	-15	1.09790	89.1061	7.20032e-04	0.0%	2	229	0.713
21	1	-9	1.09787	89.1083	3.75762e-03	0.0%	2	523	0.713
1	9	1.09787	89.1083	3.96322e-03	0.0%	2	523	0.713	
18	2	-3	1.09626	89.2741	3.54961e-04	0.0%	2	337	0.712
2	3	1.09626	89.2741	1.59183e-04	0.0%	2	337	0.712	
-4	4	8	1.09595	89.3065	8.79542e-04	0.0%	2	96	0.712
4	4	-8	1.09595	89.3065	1.11287e-03	0.0%	2	96	0.712
10	4	-6	1.09594	89.3081	1.00252e-03	0.0%	2	152	0.712
4	6	1.09594	89.3081	8.81679e-04	0.0%	2	152	0.712	
3	12	1.09557	89.3455	1.47810e-03	0.0%	2	322	0.711	
13	3	-12	1.09557	89.3455	9.44098e-04	0.0%	2	322	0.711
21	1	-10	1.09520	89.3840	1.13437e-04	0.0%	2	542	0.711
1	10	1.09520	89.3840	6.93468e-05	0.0%	2	542	0.711	

6	4	3	1.09520	89.3842	2.38888e-03	0.0%	2	61	0.711
6	-4	3	1.09520	89.3842	2.60159e-03	0.0%	2	61	0.711
21	1	-8	1.09513	89.3919	4.68808e-04	0.0%	2	506	0.711
1	8	1.09513	89.3919	5.49486e-04	0.0%	2	506	0.711	
12	0	-17	1.09398	89.5107	4.88714e-03	0.0%	2	433	0.710
8	4	1	1.09314	89.5976	1.26291e-03	0.0%	2	81	0.710
8	-4	1	1.09314	89.5976	1.57208e-03	0.0%	2	81	0.710
20	0	-14	1.09302	89.6104	1.11622e-03	0.0%	2	596	0.710
17	1	1	1.09095	89.8271	3.38852e-04	0.0%	2	291	0.708
17	-1	1	1.09095	89.8271	3.92658e-04	0.0%	2	291	0.708
13	3	1	1.09028	89.8965	9.71037e-04	0.0%	2	179	0.708
13	-3	1	1.09028	89.8965	1.86029e-03	0.0%	2	179	0.708
12	2	5	1.09006	89.9200	5.61133e-04	0.0%	2	173	0.708
12	-2	5	1.09006	89.9200	6.45513e-04	0.0%	2	173	0.708
19	1	-2	1.08985	89.9424	6.24157e-04	0.0%	2	366	0.707
1	2	1.08985	89.9424	6.06599e-04	0.0%	2	366	0.707	
-8	4	8	1.08984	89.9435	4.85238e-03	0.0%	2	144	0.707
8	4	-8	1.08984	89.9435	4.94909e-03	0.0%	2	144	0.707
2	4	6	1.08975	89.9529	4.12628e-03	0.0%	2	56	0.707
2	-4	6	1.08975	89.9529	4.07210e-03	0.0%	2	56	0.707
10	4	-2	1.08973	89.9547	2.25945e-03	0.0%	2	120	0.707
4	2	1.08973	89.9547	1.53707e-03	0.0%	2	120	0.707	
0	4	7	1.08914	90.0169	5.50971e-04	0.0%	2	65	0.707
0	4	-7	1.08914	90.0169	8.09866e-04	0.0%	2	65	0.707
10	0	-17	1.08886	90.0461	2.54557e-03	0.0%	2	389	0.707
2	15	1.08848	90.0863	4.97609e-03	0.1%	2	425	0.707	
14	2	-15	1.08848	90.0863	4.61244e-03	0.0%	2	425	0.707
20	0	-3	1.08843	90.0912	3.50154e-05	0.0%	2	409	0.707
15	3	-2	1.08817	90.1193	1.62911e-03	0.0%	2	238	0.706
3	2	1.08817	90.1193	2.58356e-03	0.0%	2	238	0.706	
14	2	3	1.08803	90.1338	1.03099e-03	0.0%	2	209	0.706
14	-2	3	1.08803	90.1338	8.05705e-04	0.0%	2	209	0.706
21	1	-11	1.08722	90.2187	9.03921e-04	0.0%	2	563	0.706
1	11	1.08722	90.2187	8.23959e-04	0.0%	2	563	0.706	
21	1	-7	1.08708	90.2346	3.21420e-04	0.0%	2	491	0.706
1	7	1.08708	90.2346	3.34193e-04	0.0%	2	491	0.706	
2	2	12	1.08632	90.3145	5.47833e-04	0.0%	2	152	0.705
2	-2	12	1.08632	90.3145	3.53653e-04	0.0%	2	152	0.705
14	0	-17	1.08589	90.3606	1.65134e-06	0.0%	2	485	0.705
14	0	5	1.08534	90.4186	1.89014e-04	0.0%	2	221	0.705

-3	3	12	1.08533	90.4202	3.06800e-03	0.0%	2	162	0.705
3	3	-12	1.08533	90.4202	5.69923e-03	0.1%	2	162	0.705
-9	3	13	1.08504	90.4507	1.11677e-03	0.0%	2	259	0.704
9	3	-13	1.08504	90.4507	5.35413e-04	0.0%	2	259	0.704
15	3	-11	1.08501	90.4533	3.02003e-04	0.0%	2	355	0.704
3	11	1.08501	90.4533	2.83869e-04	0.0%	2	355	0.704	
10	4	-7	1.08416	90.5443	1.99740e-03	0.0%	2	165	0.704
4	7	1.08416	90.5443	2.18151e-03	0.0%	2	165	0.704	
4	2	11	1.08216	90.7586	1.00133e-03	0.0%	2	141	0.703
4	-2	11	1.08216	90.7586	1.42542e-03	0.0%	2	141	0.703
18	2	-13	1.08142	90.8378	7.33520e-04	0.0%	2	497	0.702
2	13	1.08142	90.8378	9.69533e-04	0.0%	2	497	0.702	
0	2	13	1.08126	90.8555	8.77902e-04	0.0%	2	173	0.702
0	2	-13	1.08126	90.8555	6.52581e-04	0.0%	2	173	0.702
4	4	5	1.08108	90.8740	5.59641e-04	0.0%	2	57	0.702
4	-4	5	1.08108	90.8740	4.19520e-04	0.0%	2	57	0.702
8	0	10	1.08057	90.9290	5.32602e-04	0.0%	2	164	0.702
16	0	3	1.07937	91.0584	3.14210e-04	0.0%	2	265	0.701
-2	4	8	1.07930	91.0660	8.54232e-04	0.0%	2	84	0.701
2	4	-8	1.07930	91.0660	1.30953e-03	0.0%	2	84	0.701
3	13	1.07861	91.1414	3.12657e-03	0.0%	2	299	0.701	
11	3	-13	1.07861	91.1414	2.87549e-03	0.0%	2	299	0.701
-7	3	13	1.07857	91.1453	1.65214e-03	0.0%	2	227	0.701
7	3	-13	1.07857	91.1453	1.05436e-03	0.0%	2	227	0.701
-6	2	15	1.07843	91.1611	1.08725e-03	0.0%	2	265	0.700
6	2	-15	1.07843	91.1611	1.56611e-03	0.0%	2	265	0.700
7	3	7	1.07833	91.1717	2.56225e-04	0.0%	2	107	0.700
7	-3	7	1.07833	91.1717	5.43162e-04	0.0%	2	107	0.700
18	0	-16	1.07708	91.3069	2.55142e-04	0.0%	2	580	0.700
10	2	7	1.07614	91.4095	6.29128e-04	0.0%	2	153	0.699
10	-2	7	1.07614	91.4095	1.06730e-03	0.0%	2	153	0.699
12	0	7	1.07548	91.4822	5.32398e-04	0.0%	2	193	0.699
10	4	-1	1.07518	91.5143	5.86807e-04	0.0%	2	117	0.699
4	1	1.07518	91.5143	8.57583e-04	0.0%	2	117	0.699	
9	1	9	1.07507	91.5265	6.12351e-04	0.0%	2	163	0.699
9	-1	9	1.07507	91.5265	5.63551e-04	0.0%	2	163	0.699
21	1	-12	1.07428	91.6129	9.17612e-04	0.0%	2	586	0.698
1	12	1.07428	91.6129	7.86361e-04	0.0%	2	586	0.698	
21	1	-6	1.07407	91.6366	7.59586e-04	0.0%	2	478	0.698
1	6	1.07407	91.6366	8.88194e-04	0.0%	2	478	0.698	

22	0	-9	1.07377	91.6698	2.91930e-03	0.0%	2	565	0.698
4	0	-16	1.07352	91.6970	8.47082e-04	0.0%	2	272	0.698
22	0	-10	1.07344	91.7056	4.66613e-05	0.0%	2	584	0.698
1	16	1.07249	91.8099	3.18584e-03	0.0%	2	546	0.697	
17	1	-16	1.07249	91.8099	2.69056e-03	0.0%	2	546	0.697
8	0	-17	1.07107	91.9670	3.17598e-04	0.0%	2	353	0.697
16	2	1	1.07031	92.0513	1.19781e-03	0.0%	2	261	0.696
16	-2	1	1.07031	92.0513	1.35807e-03	0.0%	2	261	0.696
-5	1	16	1.06947	92.1443	1.41785e-03	0.0%	2	282	0.696
5	1	-16	1.06947	92.1443	1.28383e-03	0.0%	2	282	0.696
6	2	10	1.06908	92.1882	1.19845e-04	0.0%	2	140	0.696
6	-2	10	1.06908	92.1882	2.75874e-04	0.0%	2	140	0.696
22	0	-8	1.06903	92.1935	7.92265e-06	0.0%	2	548	0.695
18	2	-2	1.06903	92.1936	1.76451e-04	0.0%	2	332	0.695
2	2	1.06903	92.1936	1.59229e-04	0.0%	2	332	0.695	
-6	4	9	1.06855	92.2468	1.12509e-03	0.0%	2	133	0.695
6	4	-9	1.06855	92.2468	1.14766e-03	0.0%	2	133	0.695
22	0	-11	1.06807	92.3009	4.66272e-03	0.0%	2	605	0.695
1	17	1.06779	92.3318	2.02869e-03	0.0%	2	411	0.695	
11	1	-17	1.06779	92.3318	2.22551e-03	0.0%	2	411	0.695
4	8	1.06772	92.3404	2.94473e-03	0.0%	2	180	0.695	
10	4	-8	1.06772	92.3404	2.42705e-03	0.0%	2	180	0.695
20	2	-9	1.06767	92.3458	9.51896e-04	0.0%	2	485	0.695
2	9	1.06767	92.3458	1.02101e-03	0.0%	2	485	0.695	
8	4	2	1.06758	92.3555	3.29124e-03	0.0%	2	84	0.695
8	-4	2	1.06758	92.3555	2.18840e-03	0.0%	2	84	0.695
-2	2	14	1.06734	92.3822	6.56237e-04	0.0%	2	204	0.695
2	2	-14	1.06734	92.3822	4.29784e-04	0.0%	2	204	0.695
20	2	-8	1.06728	92.3895	3.12470e-03	0.0%	2	468	0.695
2	8	1.06728	92.3895	3.05074e-03	0.0%	2	468	0.695	
17	3	-7	1.06684	92.4382	3.71222e-03	0.0%	2	347	0.694
3	7	1.06684	92.4382	5.58980e-03	0.1%	2	347	0.694	
1	17	1.06639	92.4892	4.15378e-04	0.0%	2	459	0.694	
13	1	-17	1.06639	92.4892	4.60520e-04	0.0%	2	459	0.694
1	15	1.06636	92.4927	1.89939e-03	0.0%	2	587	0.694	
19	1	-15	1.06636	92.4927	1.42865e-03	0.0%	2	587	0.694
17	3	-8	1.06580	92.5550	2.04010e-04	0.0%	2	362	0.694
3	8	1.06580	92.5550	8.62942e-05	0.0%	2	362	0.694	

16	0	-17	1.06543	92.5966	8.21889e-04	0.0%	2	545	0.694
-8	4	9	1.06382	92.7787	2.06739e-04	0.0%	2	161	0.693
8	4	-9	1.06382	92.7787	2.40513e-04	0.0%	2	161	0.693
6	4	4	1.06379	92.7812	2.57160e-04	0.0%	2	68	0.693
6	-4	4	1.06379	92.7812	1.30954e-04	0.0%	2	68	0.693
20	2	-10	1.06308	92.8618	8.94640e-04	0.0%	2	504	0.693
2	10	1.06308	92.8618	1.06976e-03	0.0%	2	504	0.693	
15	3	-1	1.06293	92.8791	1.49594e-04	0.0%	2	235	0.693
3	1	1.06293	92.8791	4.66796e-05	0.0%	2	235	0.693	
17	3	-6	1.06291	92.8813	2.16019e-04	0.0%	2	334	0.693
3	6	1.06291	92.8813	6.99402e-04	0.0%	2	334	0.693	
20	0	-15	1.06254	92.9229	1.86810e-03	0.0%	2	625	0.692
20	2	-7	1.06193	92.9930	7.46029e-04	0.0%	2	453	0.692
2	7	1.06193	92.9930	5.88204e-04	0.0%	2	453	0.692	
-4	4	9	1.06097	93.1015	9.65075e-04	0.0%	2	113	0.692
4	4	-9	1.06097	93.1015	1.05102e-03	0.0%	2	113	0.692
11	3	4	1.05998	93.2151	1.37058e-03	0.0%	2	146	0.691
11	-3	4	1.05998	93.2151	2.32675e-03	0.0%	2	146	0.691
3	13	1.05995	93.2188	6.91786e-03	0.1%	2	347	0.691	
13	3	-13	1.05995	93.2188	5.80460e-03	0.1%	2	347	0.691
-5	3	13	1.05988	93.2267	4.68660e-03	0.0%	2	203	0.691
5	3	-13	1.05988	93.2267	5.82748e-03	0.1%	2	203	0.691
17	3	-9	1.05983	93.2316	1.65132e-03	0.0%	2	379	0.691
3	9	1.05983	93.2316	1.79211e-03	0.0%	2	379	0.691	
15	1	4	1.05965	93.2532	1.11074e-04	0.0%	2	242	0.691
15	-1	4	1.05965	93.2532	9.49126e-05	0.0%	2	242	0.691
22	0	-7	1.05944	93.2772	1.81909e-03	0.0%	2	533	0.691
2	15	1.05939	93.2825	4.81048e-03	0.0%	2	485	0.691	
16	2	-15	1.05939	93.2825	4.06402e-03	0.0%	2	485	0.691
3	12	1.05934	93.2880	5.24427e-03	0.1%	2	378	0.691	
15	3	-12	1.05934	93.2880	4.89468e-03	0.0%	2	378	0.691
18	0	1	1.05834	93.4033	1.70989e-05	0.0%	2	325	0.691
22	0	-12	1.05787	93.4565	8.94017e-05	0.0%	2	628	0.690
13	1	6	1.05780	93.4654	1.48605e-03	0.0%	2	206	0.690
13	-1	6	1.05780	93.4654	1.62643e-03	0.0%	2	206	0.690
20	0	-2	1.05757	93.4919	5.73251e-05	0.0%	2	404	0.690
-9	1	17	1.05696	93.5614	2.52435e-03	0.0%	2	371	0.690
9	1	-17	1.05696	93.5614	2.94777e-03	0.0%	2	371	0.690
21	1	-13	1.05691	93.5680	4.00090e-04	0.0%	2	611	0.690

1	13	1.05691	93.5680	4.66833e-04	0.0%	2	611	0.690	
3	1	13	1.05670	93.5917	3.78661e-04	0.0%	2	179	0.690
3	-1	13	1.05670	93.5917	3.49630e-04	0.0%	2	179	0.690
21	1	-5	1.05663	93.5997	1.17307e-03	0.0%	2	467	0.690
1	5	1.05663	93.5997	1.35380e-03	0.0%	2	467	0.690	
10	4	0	1.05632	93.6353	3.06420e-03	0.0%	4	116	0.690
19	1	-1	1.05609	93.6628	2.12659e-04	0.0%	2	363	0.690
1	1	1.05609	93.6628	3.30191e-04	0.0%	2	363	0.690	
1	1	14	1.05525	93.7598	2.59876e-03	0.0%	2	198	0.689
1	-1	14	1.05525	93.7598	2.80015e-03	0.0%	2	198	0.689
12	4	-5	1.05443	93.8543	1.01125e-03	0.0%	2	185	0.689
4	5	1.05443	93.8543	3.54091e-04	0.0%	2	185	0.689	
13	3	2	1.05442	93.8558	7.24391e-05	0.0%	2	182	0.689
13	-3	2	1.05442	93.8558	2.94088e-04	0.0%	2	182	0.689
1	3	11	1.05422	93.8794	5.26863e-03	0.1%	2	131	0.689
1	-3	11	1.05422	93.8794	2.98703e-03	0.0%	2	131	0.689
17	3	-5	1.05417	93.8847	1.91656e-04	0.0%	2	323	0.689
3	5	1.05417	93.8847	6.01979e-04	0.0%	2	323	0.689	
20	2	-11	1.05371	93.9383	6.06082e-04	0.0%	2	525	0.689
2	11	1.05371	93.9383	1.06563e-03	0.0%	2	525	0.689	
3	3	10	1.05361	93.9503	1.42229e-03	0.0%	2	118	0.689
3	-3	10	1.05361	93.9503	3.36952e-04	0.0%	2	118	0.689
1	17	1.05289	94.0342	1.39576e-03	0.0%	2	515	0.689	
15	1	-17	1.05289	94.0342	1.18960e-03	0.0%	2	515	0.689
12	4	-6	1.05274	94.0522	7.03447e-04	0.0%	2	196	0.689
4	6	1.05274	94.0522	6.41682e-04	0.0%	2	196	0.689	
2	16	1.05259	94.0695	3.27682e-03	0.0%	2	404	0.688	
12	2	-16	1.05259	94.0695	2.93135e-03	0.0%	2	404	0.688
2	4	7	1.05258	94.0704	4.02819e-04	0.0%	2	69	0.688
2	-4	7	1.05258	94.0704	3.05770e-04	0.0%	2	69	0.688
18	2	-14	1.05256	94.0729	2.52059e-03	0.0%	2	524	0.688
2	14	1.05256	94.0729	2.71984e-03	0.0%	2	524	0.688	
2	16	1.05211	94.1254	6.01623e-03	0.1%	2	360	0.688	
10	2	-16	1.05211	94.1254	5.34754e-03	0.1%	2	360	0.688
20	2	-6	1.05184	94.1573	1.93152e-03	0.0%	2	440	0.688
2	6	1.05184	94.1573	1.70127e-03	0.0%	2	440	0.688	

0	4	8	1.05135	94.2143	2.77830e-03	0.0%	2	80	0.688
0	4	-8	1.05135	94.2143	3.53762e-03	0.0%	2	80	0.688
12	4	-4	1.05133	94.2169	1.62187e-03	0.0%	2	176	0.688
4	4	1.05133	94.2169	2.08770e-03	0.0%	2	176	0.688	
10	0	9	1.05103	94.2526	4.23404e-05	0.0%	2	181	0.688
9	3	6	1.05078	94.2811	6.01323e-04	0.0%	2	126	0.688
9	-3	6	1.05078	94.2811	7.56049e-04	0.0%	2	126	0.688
5	1	12	1.04968	94.4111	1.03109e-03	0.0%	2	170	0.687
5	-1	12	1.04968	94.4111	1.07856e-03	0.0%	2	170	0.687
17	3	-10	1.04919	94.4693	3.83183e-03	0.0%	2	398	0.687
3	10	1.04919	94.4693	4.49979e-03	0.0%	2	398	0.687	
8	2	9	1.04802	94.6068	8.25249e-04	0.0%	2	149	0.687
8	-2	9	1.04802	94.6068	7.90516e-04	0.0%	2	149	0.687
4	9	1.04724	94.6995	1.42704e-03	0.0%	2	197	0.687	
10	4	-9	1.04724	94.6995	1.17397e-03	0.0%	2	197	0.687
17	1	2	1.04683	94.7482	1.36739e-03	0.0%	2	294	0.687
17	-1	2	1.04683	94.7482	1.36972e-03	0.0%	2	294	0.687
-1	3	12	1.04643	94.7963	5.04339e-04	0.0%	2	154	0.686
1	3	-12	1.04643	94.7963	7.20587e-04	0.0%	2	154	0.686
12	4	-7	1.04630	94.8111	1.40235e-03	0.0%	2	209	0.686
4	7	1.04630	94.8111	1.13045e-03	0.0%	2	209	0.686	
-4	2	15	1.04557	94.8986	2.09070e-03	0.0%	2	245	0.686
4	2	-15	1.04557	94.8986	2.62524e-03	0.0%	2	245	0.686
2	0	14	1.04544	94.9142	1.50058e-03	0.0%	2	200	0.686
4	4	6	1.04544	94.9146	1.24335e-03	0.0%	2	68	0.686
4	-4	6	1.04544	94.9146	8.90432e-04	0.0%	2	68	0.686
-1	1	15	1.04543	94.9159	1.35244e-03	0.0%	2	227	0.686
1	1	-15	1.04543	94.9159	1.35756e-03	0.0%	2	227	0.686
22	0	-6	1.04537	94.9231	1.23512e-04	0.0%	2	520	0.686
5	3	9	1.04464	95.0094	8.56896e-04	0.0%	2	115	0.686
5	-3	9	1.04464	95.0094	8.21924e-04	0.0%	2	115	0.686
12	4	-3	1.04355	95.1409	1.54264e-03	0.0%	2	169	0.686
4	3	1.04355	95.1409	1.17165e-03	0.0%	2	169	0.686	
22	0	-13	1.04327	95.1747	1.86966e-05	0.0%	2	653	0.686
4	0	13	1.04305	95.2004	1.38487e-05	0.0%	2	185	0.685
6	0	-17	1.04239	95.2799	1.55147e-03	0.0%	2	325	0.685
-2	4	9	1.04184	95.3468	1.26252e-03	0.0%	2	101	0.685
2	4	-9	1.04184	95.3468	1.73325e-03	0.0%	2	101	0.685
11	1	8	1.04151	95.3863	2.18209e-04	0.0%	2	186	0.685
11	-1	8	1.04151	95.3863	1.81385e-04	0.0%	2	186	0.685
2	16	1.04137	95.4036	2.62148e-03	0.0%	2	456	0.685	

14	2	-16	1.04137	95.4036	2.55409e-03	0.0%	2	456	0.685
17	3	-4	1.04098	95.4508	1.37531e-03	0.0%	2	314	0.685
3	4	1.04098	95.4508	1.69723e-03	0.0%	2	314	0.685	
14	2	4	1.04093	95.4566	9.76728e-04	0.0%	2	216	0.685
14	-2	4	1.04093	95.4566	5.40057e-04	0.0%	2	216	0.685
-8	2	16	1.03998	95.5715	2.73240e-03	0.0%	2	324	0.685
8	2	-16	1.03998	95.5715	2.30090e-03	0.0%	2	324	0.685
20	2	-12	1.03993	95.5777	4.17800e-04	0.0%	2	548	0.685
2	12	1.03993	95.5777	7.92546e-04	0.0%	2	548	0.685	
0	0	15	1.03961	95.6172	1.46973e-03	0.0%	2	225	0.685
18	2	-1	1.03909	95.6804	7.25397e-04	0.0%	2	329	0.684
2	1	1.03909	95.6804	8.02040e-04	0.0%	2	329	0.684	
8	4	3	1.03909	95.6806	6.33685e-04	0.0%	2	89	0.684
8	-4	3	1.03909	95.6806	9.19671e-04	0.0%	2	89	0.684
-9	3	14	1.03769	95.8509	4.90122e-03	0.0%	2	286	0.684
9	3	-14	1.03769	95.8509	3.12549e-03	0.0%	2	286	0.684
12	2	6	1.03742	95.8835	1.85279e-04	0.0%	2	184	0.684
12	-2	6	1.03742	95.8835	2.44308e-04	0.0%	2	184	0.684
20	2	-5	1.03741	95.8852	5.35399e-04	0.0%	2	429	0.684
2	5	1.03741	95.8852	4.89300e-04	0.0%	2	429	0.684	
3	14	1.03596	96.0630	3.28742e-03	0.0%	2	326	0.684	
11	3	-14	1.03596	96.0630	2.62222e-03	0.0%	2	326	0.684
21	1	-14	1.03575	96.0894	1.59876e-03	0.0%	2	638	0.684
1	14	1.03575	96.0894	1.53308e-03	0.0%	2	638	0.684	
21	1	-4	1.03542	96.1291	3.67460e-03	0.0%	2	458	0.684
1	4	1.03542	96.1291	3.83144e-03	0.0%	2	458	0.684	
-6	4	10	1.03541	96.1309	1.63491e-03	0.0%	2	152	0.684
6	4	-10	1.03541	96.1309	1.26057e-03	0.0%	2	152	0.684
12	4	-8	1.03539	96.1329	2.91371e-03	0.0%	2	224	0.684
4	8	1.03539	96.1329	3.50605e-03	0.0%	2	224	0.684	
-8	4	10	1.03499	96.1829	2.06217e-03	0.0%	2	180	0.684
8	4	-10	1.03499	96.1829	1.62001e-03	0.0%	2	180	0.684
-7	1	17	1.03498	96.1842	1.52451e-03	0.0%	2	339	0.684
7	1	-17	1.03498	96.1842	1.55943e-03	0.0%	2	339	0.684
15	3	0	1.03479	96.2078	5.14637e-03	0.1%	4	234	0.684
7	1	11	1.03468	96.2214	2.76950e-04	0.0%	2	171	0.684
7	-1	11	1.03468	96.2214	2.80853e-04	0.0%	2	171	0.684
18	0	-17	1.03462	96.2282	1.11767e-03	0.0%	2	613	0.684
17	3	-11	1.03427	96.2714	2.62074e-05	0.0%	2	419	0.683

3	11	1.03427	96.2714	4.26918e-05	0.0%	2	419	0.683	
10	4	1	1.03385	96.3235	6.59042e-04	0.0%	2	117	0.683
10	-4	1	1.03385	96.3235	5.89153e-04	0.0%	2	117	0.683
12	0	-18	1.03298	96.4314	4.10673e-03	0.0%	2	468	0.683
6	0	12	1.03261	96.4772	3.12997e-04	0.0%	2	180	0.683
1	16	1.03149	96.6168	2.85941e-03	0.0%	2	618	0.683	
19	1	-16	1.03149	96.6168	2.35692e-03	0.0%	2	618	0.683
12	4	-2	1.03139	96.6288	1.36681e-03	0.0%	2	164	0.683
4	2	1.03139	96.6288	1.57024e-03	0.0%	2	164	0.683	
3	13	1.03088	96.6934	8.21940e-04	0.0%	2	403	0.683	
15	3	-13	1.03088	96.6934	7.34074e-04	0.0%	2	403	0.683
-3	3	13	1.03078	96.7053	8.69479e-04	0.0%	2	187	0.683
3	3	-13	1.03078	96.7053	1.71228e-03	0.0%	2	187	0.683
16	2	2	1.03049	96.7423	2.88965e-04	0.0%	2	264	0.683
16	-2	2	1.03049	96.7423	3.01361e-04	0.0%	2	264	0.683
6	4	5	1.03042	96.7508	1.18889e-04	0.0%	2	77	0.683
6	-4	5	1.03042	96.7508	4.65562e-06	0.0%	2	77	0.683
14	0	-18	1.02999	96.8041	6.98010e-03	0.1%	2	520	0.683
20	0	-16	1.02996	96.8079	7.00062e-04	0.0%	2	656	0.683
14	0	6	1.02948	96.8679	4.02123e-04	0.0%	2	232	0.683
16	0	4	1.02947	96.8690	1.74699e-03	0.0%	2	272	0.683
1	17	1.02862	96.9757	1.03118e-03	0.0%	2	579	0.683	
17	1	-17	1.02862	96.9757	7.95661e-04	0.0%	2	579	0.683
-7	3	14	1.02817	97.0326	2.85373e-03	0.0%	2	254	0.683
7	3	-14	1.02817	97.0326	1.83218e-03	0.0%	2	254	0.683
7	3	8	1.02794	97.0618	1.90419e-04	0.0%	2	122	0.683
7	-3	8	1.02794	97.0618	7.63622e-04	0.0%	2	122	0.683
-3	1	16	1.02791	97.0656	2.41129e-03	0.0%	2	266	0.683
3	1	-16	1.02791	97.0656	2.39582e-03	0.0%	2	266	0.683
22	0	-5	1.02735	97.1363	1.44030e-05	0.0%	2	509	0.682
2	0	-16	1.02596	97.3131	3.41114e-04	0.0%	2	260	0.682
10	0	-18	1.02485	97.4540	4.65637e-03	0.0%	2	424	0.682
22	0	-14	1.02479	97.4611	1.53540e-03	0.0%	2	680	0.682
20	0	-1	1.02473	97.4686	4.80313e-03	0.0%	2	401	0.682
-4	4	10	1.02469	97.4738	2.85988e-03	0.0%	2	132	0.682
4	4	-10	1.02469	97.4738	2.54784e-03	0.0%	2	132	0.682
17	3	-3	1.02382	97.5847	4.61080e-05	0.0%	2	307	0.682
3	3	1.02382	97.5847	1.95202e-05	0.0%	2	307	0.682	
4	10	1.02347	97.6304	1.79573e-03	0.0%	2	216	0.682	
10	4	-10	1.02347	97.6304	1.42494e-03	0.0%	2	216	0.682

3	14	1.02315	97.6708	1.36510e-03	0.0%	2	374	0.682	
13	3	-14	1.02315	97.6708	1.55520e-03	0.0%	2	374	0.682
20	2	-13	1.02225	97.7857	2.23222e-03	0.0%	2	573	0.682
2	13	1.02225	97.7857	2.46189e-03	0.0%	2	573	0.682	
2	2	13	1.02208	97.8076	7.06567e-04	0.0%	2	177	0.682
2	-2	13	1.02208	97.8076	3.79497e-04	0.0%	2	177	0.682
2	15	1.02148	97.8851	5.94166e-04	0.0%	2	553	0.682	
18	2	-15	1.02148	97.8851	5.73120e-04	0.0%	2	553	0.682
19	1	0	1.02088	97.9630	7.34068e-04	0.0%	4	362	0.682
12	4	-9	1.02042	98.0222	9.72447e-04	0.0%	2	241	0.682
4	9	1.02042	98.0222	1.21183e-03	0.0%	2	241	0.682	
10	2	8	1.02038	98.0274	4.77791e-04	0.0%	2	168	0.682
10	-2	8	1.02038	98.0274	3.99913e-04	0.0%	2	168	0.682
2	16	1.01953	98.1376	1.19999e-03	0.0%	2	516	0.682	
16	2	-16	1.01953	98.1376	1.17356e-03	0.0%	2	516	0.682
4	2	12	1.01923	98.1758	5.13020e-04	0.0%	2	164	0.682
4	-2	12	1.01923	98.1758	8.07048e-04	0.0%	2	164	0.682
20	2	-4	1.01918	98.1829	6.39373e-04	0.0%	2	420	0.682
2	4	1.01918	98.1829	3.59186e-04	0.0%	2	420	0.682	
11	3	5	1.01753	98.3976	1.64372e-04	0.0%	2	155	0.682
11	-3	5	1.01753	98.3976	1.72315e-04	0.0%	2	155	0.682
13	3	3	1.01752	98.3985	4.94324e-04	0.0%	2	187	0.682
13	-3	3	1.01752	98.3985	7.83081e-04	0.0%	2	187	0.682
-6	2	16	1.01736	98.4191	3.13603e-03	0.0%	2	296	0.682
6	2	-16	1.01736	98.4191	3.49636e-03	0.0%	2	296	0.682
0	2	14	1.01725	98.4344	1.59399e-03	0.0%	2	200	0.682
0	2	-14	1.01725	98.4344	1.03921e-03	0.0%	2	200	0.682
16	0	-18	1.01617	98.5756	6.50178e-03	0.1%	2	580	0.682
12	0	8	1.01609	98.5856	5.86536e-05	0.0%	2	208	0.682
18	0	2	1.01607	98.5890	5.11520e-04	0.0%	2	328	0.682
17	3	-12	1.01564	98.6448	2.06947e-03	0.0%	2	442	0.682
3	12	1.01564	98.6448	2.19081e-03	0.0%	2	442	0.682	
12	4	-1	1.01532	98.6864	7.43126e-04	0.0%	2	161	0.682
4	1	1.01532	98.6864	6.16056e-04	0.0%	2	161	0.682	
8	0	11	1.01482	98.7526	4.17116e-05	0.0%	2	185	0.682
2	4	8	1.01465	98.7745	2.41910e-03	0.0%	2	84	0.682
2	-4	8	1.01465	98.7745	1.88888e-03	0.0%	2	84	0.682
0	4	9	1.01294	99.0002	9.21467e-04	0.0%	2	97	0.682
0	4	-9	1.01294	99.0002	1.08843e-03	0.0%	2	97	0.682

9	1	10	1.01269	99.0340	1.41327e-04	0.0%	2	182	0.682
9	-1	10	1.01269	99.0340	1.86324e-04	0.0%	2	182	0.682
21	1	-15	1.01153	99.1886	3.73715e-04	0.0%	2	667	0.682
1	15	1.01153	99.1886	3.21910e-04	0.0%	2	667	0.682	
1	18	1.01148	99.1952	4.77910e-03	0.0%	2	494	0.682	
13	1	-18	1.01148	99.1952	4.56813e-03	0.0%	2	494	0.682
21	1	-3	1.01116	99.2367	6.56156e-05	0.0%	2	451	0.682
1	3	1.01116	99.2367	6.34713e-05	0.0%	2	451	0.682	
15	1	5	1.00989	99.4071	6.70450e-04	0.0%	2	251	0.682
15	-1	5	1.00989	99.4071	7.91378e-04	0.0%	2	251	0.682
1	18	1.00903	99.5219	3.44299e-03	0.0%	2	446	0.682	
11	1	-18	1.00903	99.5219	3.59185e-03	0.0%	2	446	0.682
6	2	11	1.00888	99.5417	6.66373e-04	0.0%	2	161	0.682
6	-2	11	1.00888	99.5417	6.82910e-04	0.0%	2	161	0.682
4	4	7	1.00885	99.5464	6.25620e-04	0.0%	2	81	0.682
4	-4	7	1.00885	99.5464	5.99149e-04	0.0%	2	81	0.682
8	4	4	1.00851	99.5916	6.25147e-04	0.0%	2	96	0.682
8	-4	4	1.00851	99.5916	5.72646e-04	0.0%	2	96	0.682
10	4	2	1.00851	99.5923	4.56986e-04	0.0%	2	120	0.682
10	-4	2	1.00851	99.5923	4.80184e-04	0.0%	2	120	0.682
-5	3	14	1.00830	99.6195	1.28855e-03	0.0%	2	230	0.682
5	3	-14	1.00830	99.6195	1.68001e-03	0.0%	2	230	0.682
18	2	0	1.00730	99.7554	1.99781e-06	0.0%	4	328	0.683
23	1	-10	1.00642	99.8736	2.16841e-04	0.0%	2	630	0.683
1	10	1.00642	99.8736	2.71350e-04	0.0%	2	630	0.683	
8	0	-18	1.00636	99.8821	1.21534e-03	0.0%	2	388	0.683
22	0	-4	1.00603	99.9274	3.55393e-04	0.0%	2	500	0.683
4	0	-17	1.00538	100.0143	3.81363e-04	0.0%	2	305	0.683
-2	2	15	1.00504	100.0612	1.46376e-03	0.0%	2	233	0.683
2	2	-15	1.00504	100.0612	1.31730e-03	0.0%	2	233	0.683
23	1	-9	1.00490	100.0807	5.52558e-04	0.0%	2	611	0.683
1	9	1.00490	100.0807	4.63825e-04	0.0%	2	611	0.683	
9	3	7	1.00459	100.1225	2.49916e-04	0.0%	2	139	0.683
9	-3	7	1.00459	100.1225	6.67547e-04	0.0%	2	139	0.683
15	3	1	1.00457	100.1252	4.30852e-04	0.0%	2	235	0.683
15	-3	1	1.00457	100.1252	3.85286e-04	0.0%	2	235	0.683
-8	4	11	1.00419	100.1768	3.45280e-03	0.0%	2	201	0.683
8	4	-11	1.00419	100.1768	2.70051e-03	0.0%	2	201	0.683
-5	1	17	1.00384	100.2248	9.20603e-04	0.0%	2	315	0.683
5	1	-17	1.00384	100.2248	9.54402e-04	0.0%	2	315	0.683
-2	4	10	1.00383	100.2255	1.81822e-03	0.0%	2	120	0.683

2	4	-10	1.00383	100.2255	2.34250e-03	0.0%	2	120	0.683
14	4	-6	1.00381	100.2290	4.71989e-04	0.0%	2	248	0.683
4	6	1.00381	100.2290	2.82133e-04	0.0%	2	248	0.683	
23	1	-11	1.00377	100.2342	1.04975e-03	0.0%	2	651	0.683
1	11	1.00377	100.2342	1.18911e-03	0.0%	2	651	0.683	
13	1	7	1.00351	100.2703	3.67031e-04	0.0%	2	219	0.683
13	-1	7	1.00351	100.2703	2.36179e-04	0.0%	2	219	0.683
17	1	3	1.00349	100.2726	7.59745e-04	0.0%	2	299	0.683
17	-1	3	1.00349	100.2726	7.40906e-04	0.0%	2	299	0.683
1	18	1.00348	100.2735	2.53937e-03	0.0%	2	550	0.683	
15	1	-18	1.00348	100.2735	2.41512e-03	0.0%	2	550	0.683
17	3	-2	1.00331	100.2970	9.17028e-04	0.0%	2	302	0.683
3	2	1.00331	100.2970	6.61979e-04	0.0%	2	302	0.683	
22	0	-15	1.00309	100.3274	1.12402e-08	0.0%	2	709	0.683
2	17	1.00203	100.4724	1.47867e-03	0.0%	2	437	0.683	
12	2	-17	1.00203	100.4724	1.37749e-03	0.0%	2	437	0.683
4	10	1.00191	100.4885	1.76828e-03	0.0%	2	260	0.683	
12	4	-10	1.00191	100.4885	1.45700e-03	0.0%	2	260	0.683
14	4	-7	1.00175	100.5106	1.91548e-03	0.0%	2	261	0.683
4	7	1.00175	100.5106	1.77423e-03	0.0%	2	261	0.683	
14	4	-5	1.00172	100.5160	2.34295e-04	0.0%	2	237	0.683
4	5	1.00172	100.5160	2.55031e-04	0.0%	2	237	0.683	
20	2	-14	1.00130	100.5737	9.56466e-04	0.0%	2	600	0.683
2	14	1.00130	100.5737	1.27850e-03	0.0%	2	600	0.683	
3	3	11	1.00112	100.5980	1.10184e-03	0.0%	2	139	0.684
3	-3	11	1.00112	100.5980	5.55671e-04	0.0%	2	139	0.684
1	3	12	1.00106	100.6069	4.26283e-04	0.0%	2	154	0.684
1	-3	12	1.00106	100.6069	9.79250e-05	0.0%	2	154	0.684
-6	4	11	1.00102	100.6118	3.47386e-03	0.0%	2	173	0.684
6	4	-11	1.00102	100.6118	2.42481e-03	0.0%	2	173	0.684
3	14	1.00044	100.6912	7.70692e-04	0.0%	2	430	0.684	
15	3	-14	1.00044	100.6912	1.11861e-03	0.0%	2	430	0.684
23	1	-8	0.99925	100.8568	2.76735e-03	0.0%	2	594	0.684
1	8	0.99925	100.8568	2.97373e-03	0.0%	2	594	0.684	
2	17	0.99809	101.0173	1.37422e-03	0.0%	2	393	0.684	
10	2	-17	0.99809	101.0173	9.41021e-04	0.0%	2	393	0.684

20	2	-3	0.99777	101.0632	1.81851e-03	0.0%	2	413	0.684
2	3	0.99777	101.0632	1.74353e-03	0.0%	2	413	0.684	
1	5	0	0.99755	101.0927	7.86455e-03	0.1%	4	26	0.684
-1	5	1	0.99726	101.1332	3.98179e-04	0.0%	2	27	0.684
1	5	-1	0.99726	101.1332	4.12926e-04	0.0%	2	27	0.684
4	11	0.99714	101.1510	2.50817e-03	0.0%	2	237	0.684	
10	4	-11	0.99714	101.1510	2.30926e-03	0.0%	2	237	0.684
23	1	-12	0.99704	101.1647	1.50698e-04	0.0%	2	674	0.684
1	12	0.99704	101.1647	1.21079e-04	0.0%	2	674	0.684	
19	3	-8	0.99639	101.2561	1.22879e-04	0.0%	2	434	0.685
3	8	0.99639	101.2561	3.08692e-04	0.0%	2	434	0.685	
-9	1	18	0.99637	101.2580	1.22760e-03	0.0%	2	406	0.685
9	1	-18	0.99637	101.2580	1.11474e-03	0.0%	2	406	0.685
20	0	-17	0.99611	101.2944	5.20723e-04	0.0%	2	689	0.685
6	4	6	0.99591	101.3230	1.73262e-03	0.0%	2	88	0.685
6	-4	6	0.99591	101.3230	1.70139e-03	0.0%	2	88	0.685
12	4	0	0.99589	101.3250	1.42168e-03	0.0%	4	160	0.685
2	17	0.99580	101.3379	2.55309e-03	0.0%	2	489	0.685	
14	2	-17	0.99580	101.3379	2.60512e-03	0.0%	2	489	0.685
1	17	0.99575	101.3454	4.93854e-03	0.0%	2	651	0.685	
19	1	-17	0.99575	101.3454	4.17614e-03	0.0%	2	651	0.685
14	4	-8	0.99563	101.3622	4.27959e-04	0.0%	2	276	0.685
4	8	0.99563	101.3622	7.12969e-04	0.0%	2	276	0.685	
14	4	-4	0.99555	101.3729	1.02777e-03	0.0%	2	228	0.685
4	4	0.99555	101.3729	1.10435e-03	0.0%	2	228	0.685	
14	2	5	0.99538	101.3970	2.69701e-04	0.0%	2	225	0.685
14	-2	5	0.99538	101.3970	2.00915e-04	0.0%	2	225	0.685
19	3	-9	0.99496	101.4561	9.85983e-04	0.0%	2	451	0.685
3	9	0.99496	101.4561	2.11604e-03	0.0%	2	451	0.685	
5	3	10	0.99399	101.5930	3.75464e-04	0.0%	2	134	0.685
5	-3	10	0.99399	101.5930	3.94300e-04	0.0%	2	134	0.685
3	15	0.99394	101.6004	3.79022e-04	0.0%	2	355	0.685	
11	3	-15	0.99394	101.6004	3.14262e-04	0.0%	2	355	0.685
17	3	-13	0.99392	101.6036	1.24540e-03	0.0%	2	467	0.685
3	13	0.99392	101.6036	7.37872e-04	0.0%	2	467	0.685	
-1	3	13	0.99380	101.6197	9.26171e-04	0.0%	2	179	0.685
1	3	-13	0.99380	101.6197	9.69196e-04	0.0%	2	179	0.685

1	5	1	0.99378	101.6225	4.57579e-04	0.0%	2	27	0.685
1	-5	1	0.99378	101.6225	5.11015e-04	0.0%	2	27	0.685
19	3	-7	0.99376	101.6265	4.22365e-04	0.0%	2	419	0.685
3	7	0.99376	101.6265	7.45515e-04	0.0%	2	419	0.685	
-1	5	2	0.99292	101.7443	4.48130e-04	0.0%	2	30	0.686
1	5	-2	0.99292	101.7443	4.49588e-04	0.0%	2	30	0.686
18	0	-18	0.99277	101.7667	1.90734e-03	0.0%	2	648	0.686
-9	3	15	0.99200	101.8748	1.04443e-04	0.0%	2	315	0.686
9	3	-15	0.99200	101.8748	7.29999e-05	0.0%	2	315	0.686
8	2	10	0.99170	101.9181	3.66017e-04	0.0%	2	168	0.686
8	-2	10	0.99170	101.9181	3.83554e-04	0.0%	2	168	0.686
3	1	14	0.99152	101.9436	1.15609e-03	0.0%	2	206	0.686
3	-1	14	0.99152	101.9436	1.16030e-03	0.0%	2	206	0.686
10	0	10	0.99079	102.0474	1.48865e-03	0.0%	2	200	0.686
16	2	3	0.99077	102.0504	6.57193e-04	0.0%	2	269	0.686
16	-2	3	0.99077	102.0504	5.59246e-04	0.0%	2	269	0.686
20	0	0	0.99076	102.0531	9.61461e-05	0.0%	2	400	0.686
3	5	-1	0.99072	102.0577	3.83793e-04	0.0%	2	35	0.686
-3	5	1	0.99072	102.0577	4.33128e-04	0.0%	2	35	0.686
3	5	-2	0.98987	102.1796	2.36944e-03	0.0%	2	38	0.687
-3	5	2	0.98987	102.1796	2.45593e-03	0.0%	2	38	0.687
1	1	15	0.98975	102.1964	1.09404e-03	0.0%	2	227	0.687
1	-1	15	0.98975	102.1964	1.04600e-03	0.0%	2	227	0.687
23	1	-7	0.98968	102.2064	1.94644e-04	0.0%	2	579	0.687
1	7	0.98968	102.2064	1.73288e-04	0.0%	2	579	0.687	
19	3	-10	0.98954	102.2278	3.00273e-03	0.0%	2	470	0.687
3	10	0.98954	102.2278	4.38645e-03	0.0%	2	470	0.687	
2	16	0.98900	102.3046	1.80910e-03	0.0%	2	584	0.687	
18	2	-16	0.98900	102.3046	2.00808e-03	0.0%	2	584	0.687
-4	4	11	0.98791	102.4624	2.14353e-03	0.0%	2	153	0.687
4	4	-11	0.98791	102.4624	1.66787e-03	0.0%	2	153	0.687
12	2	7	0.98776	102.4840	3.58552e-04	0.0%	2	197	0.687
12	-2	7	0.98776	102.4840	4.22378e-04	0.0%	2	197	0.687
3	5	0	0.98759	102.5079	6.51160e-03	0.1%	4	34	0.687
19	3	-6	0.98717	102.5696	1.12337e-03	0.0%	2	406	0.688
3	6	0.98717	102.5696	1.08200e-03	0.0%	2	406	0.688	
23	1	-13	0.98647	102.6706	3.83874e-04	0.0%	2	699	0.688
1	13	0.98647	102.6706	3.90456e-04	0.0%	2	699	0.688	
22	2	-9	0.98643	102.6761	1.21333e-05	0.0%	2	569	0.688
2	9	0.98643	102.6761	1.59508e-04	0.0%	2	569	0.688	

5	1	13	0.98627	102.6989	2.88024e-04	0.0%	2	195	0.688
5	-1	13	0.98627	102.6989	2.24038e-04	0.0%	2	195	0.688
-4	2	16	0.98624	102.7040	1.52539e-03	0.0%	2	276	0.688
4	2	-16	0.98624	102.7040	1.75339e-03	0.0%	2	276	0.688
22	2	-10	0.98618	102.7128	4.57556e-04	0.0%	2	588	0.688
2	10	0.98618	102.7128	3.94963e-04	0.0%	2	588	0.688	
1	5	2	0.98609	102.7259	2.79038e-04	0.0%	2	30	0.688
1	-5	2	0.98609	102.7259	2.63697e-04	0.0%	2	30	0.688
3	15	0.98597	102.7426	1.56348e-03	0.0%	2	403	0.688	
13	3	-15	0.98597	102.7426	1.78936e-03	0.0%	2	403	0.688
1	18	0.98577	102.7721	3.72451e-03	0.0%	2	614	0.688	
17	1	-18	0.98577	102.7721	3.74335e-03	0.0%	2	614	0.688
14	4	-9	0.98565	102.7890	1.41402e-03	0.0%	2	293	0.688
4	9	0.98565	102.7890	1.54263e-03	0.0%	2	293	0.688	
14	4	-3	0.98554	102.8052	5.13478e-04	0.0%	2	221	0.688
4	3	0.98554	102.8052	1.07880e-03	0.0%	2	221	0.688	
-3	5	3	0.98507	102.8746	5.23824e-04	0.0%	2	43	0.689
3	5	-3	0.98507	102.8746	5.11016e-04	0.0%	2	43	0.689
11	1	9	0.98505	102.8773	2.46412e-04	0.0%	2	203	0.689
11	-1	9	0.98505	102.8773	3.32019e-04	0.0%	2	203	0.689
19	1	1	0.98502	102.8818	1.06563e-03	0.0%	2	363	0.689
19	-1	1	0.98502	102.8818	1.12114e-03	0.0%	2	363	0.689
21	1	-16	0.98497	102.8882	1.61488e-03	0.0%	2	698	0.689
1	16	0.98497	102.8882	1.76906e-03	0.0%	2	698	0.689	
-1	5	3	0.98469	102.9297	3.41934e-03	0.0%	2	35	0.689
1	5	-3	0.98469	102.9297	3.34681e-03	0.0%	2	35	0.689
21	1	-2	0.98459	102.9450	5.79497e-05	0.0%	2	446	0.689
1	2	0.98459	102.9450	9.69715e-05	0.0%	2	446	0.689	
24	0	-10	0.98456	102.9487	1.14581e-03	0.0%	2	676	0.689
-8	2	17	0.98434	102.9808	2.50958e-03	0.0%	2	357	0.689
8	2	-17	0.98434	102.9808	2.50988e-03	0.0%	2	357	0.689
24	0	-11	0.98375	103.0670	6.36938e-04	0.0%	2	697	0.689
22	2	-8	0.98276	103.2131	3.79069e-04	0.0%	2	552	0.690
2	8	0.98276	103.2131	5.02177e-04	0.0%	2	552	0.690	
22	0	-3	0.98206	103.3164	3.37307e-04	0.0%	2	493	0.690
22	2	-11	0.98201	103.3235	4.10878e-04	0.0%	2	609	0.690
2	11	0.98201	103.3235	4.86877e-04	0.0%	2	609	0.690	
16	0	5	0.98199	103.3257	2.68017e-04	0.0%	2	281	0.690
24	0	-9	0.98146	103.4046	4.05855e-05	0.0%	2	657	0.690

-1	1	16	0.98108	103.4603	2.31540e-03	0.0%	2	258	0.690
1	1	-16	0.98108	103.4603	2.45660e-03	0.0%	2	258	0.690
10	4	3	0.98103	103.4673	1.00725e-03	0.0%	2	125	0.690
10	-4	3	0.98103	103.4673	1.10810e-03	0.0%	2	125	0.690
3	5	1	0.98059	103.5333	5.53628e-04	0.0%	2	35	0.691
3	-5	1	0.98059	103.5333	4.79854e-04	0.0%	2	35	0.691
4	11	0.98048	103.5492	2.41394e-03	0.0%	2	281	0.691	
12	4	-11	0.98048	103.5492	2.85368e-03	0.0%	2	281	0.691
13	3	4	0.98034	103.5697	1.46568e-04	0.0%	2	194	0.691
13	-3	4	0.98034	103.5697	1.47001e-04	0.0%	2	194	0.691
-7	3	15	0.98034	103.5704	1.26251e-03	0.0%	2	283	0.691
7	3	-15	0.98034	103.5704	1.21340e-03	0.0%	2	283	0.691
19	3	-11	0.98030	103.5763	3.60699e-05	0.0%	2	491	0.691
3	11	0.98030	103.5763	3.26777e-05	0.0%	2	491	0.691	
7	3	9	0.98012	103.6029	8.99378e-04	0.0%	2	139	0.691
7	-3	9	0.98012	103.6029	2.14328e-03	0.0%	2	139	0.691
17	3	-1	0.98009	103.6075	2.58556e-04	0.0%	2	299	0.691
3	1	0.98009	103.6075	1.12980e-04	0.0%	2	299	0.691	
2	0	15	0.97998	103.6235	1.20321e-04	0.0%	2	229	0.691
2	17	0.97996	103.6272	2.63050e-03	0.0%	2	549	0.691	
16	2	-17	0.97996	103.6272	2.81235e-03	0.0%	2	549	0.691
-3	3	14	0.97982	103.6477	1.59787e-03	0.0%	2	214	0.691
3	3	-14	0.97982	103.6477	2.12495e-03	0.0%	2	214	0.691
6	0	-18	0.97913	103.7501	5.82915e-05	0.0%	2	360	0.691
24	0	-12	0.97906	103.7604	1.53655e-03	0.0%	2	720	0.691
22	0	-16	0.97883	103.7951	7.97323e-04	0.0%	2	740	0.691
4	0	14	0.97856	103.8351	1.50869e-03	0.0%	2	212	0.692
14	0	-19	0.97805	103.9111	8.45572e-04	0.0%	2	557	0.692
20	2	-15	0.97771	103.9628	2.38977e-03	0.0%	2	629	0.692
2	15	0.97771	103.9628	2.27516e-03	0.0%	2	629	0.692	
14	0	7	0.97758	103.9817	6.09503e-05	0.0%	2	245	0.692
12	0	-19	0.97730	104.0239	3.17245e-03	0.0%	2	505	0.692
5	5	-2	0.97720	104.0393	8.87021e-04	0.0%	2	54	0.692
-5	5	2	0.97720	104.0393	7.40179e-04	0.0%	2	54	0.692
19	3	-5	0.97685	104.0920	1.55435e-04	0.0%	2	395	0.693
3	5	0.97685	104.0920	3.55241e-04	0.0%	2	395	0.693	
2	4	9	0.97670	104.1150	1.42813e-03	0.0%	2	101	0.693
2	-4	9	0.97670	104.1150	1.33868e-03	0.0%	2	101	0.693
8	4	5	0.97663	104.1243	2.11614e-04	0.0%	2	105	0.693
8	-4	5	0.97663	104.1243	3.84672e-04	0.0%	2	105	0.693
23	1	-6	0.97654	104.1388	1.16832e-04	0.0%	2	566	0.693

1	6	0.97654	104.1388	1.67429e-04	0.0%	2	566	0.693	
-3	5	4	0.97648	104.1474	2.67734e-03	0.0%	2	50	0.693
3	5	-4	0.97648	104.1474	2.67138e-03	0.0%	2	50	0.693
11	3	6	0.97595	104.2267	6.21015e-04	0.0%	2	166	0.693
11	-3	6	0.97595	104.2267	4.72291e-04	0.0%	2	166	0.693
5	5	-3	0.97584	104.2443	1.10492e-03	0.0%	2	59	0.693
-5	5	3	0.97584	104.2443	1.09945e-03	0.0%	2	59	0.693
22	2	-7	0.97529	104.3277	9.77612e-04	0.0%	2	537	0.693
2	7	0.97529	104.3277	1.19120e-03	0.0%	2	537	0.693	
1	5	3	0.97474	104.4106	2.73202e-03	0.0%	2	35	0.694
1	-5	3	0.97474	104.4106	2.48643e-03	0.0%	2	35	0.694
5	5	-1	0.97474	104.4111	1.43560e-03	0.0%	2	51	0.694
-5	5	1	0.97474	104.4111	1.34102e-03	0.0%	2	51	0.694
18	0	3	0.97465	104.4234	8.22497e-05	0.0%	2	333	0.694
0	0	16	0.97463	104.4269	3.27744e-05	0.0%	2	256	0.694
0	4	10	0.97463	104.4271	7.45896e-04	0.0%	2	116	0.694
0	4	-10	0.97463	104.4271	1.07929e-03	0.0%	2	116	0.694
-7	1	18	0.97461	104.4306	5.70549e-04	0.0%	2	374	0.694
7	1	-18	0.97461	104.4306	4.38869e-04	0.0%	2	374	0.694
24	0	-8	0.97456	104.4379	6.42610e-04	0.0%	2	640	0.694
18	2	1	0.97443	104.4576	1.07152e-04	0.0%	2	329	0.694
18	-2	1	0.97443	104.4576	5.21598e-05	0.0%	2	329	0.694
7	1	12	0.97434	104.4715	3.20465e-04	0.0%	2	194	0.694
7	-1	12	0.97434	104.4715	2.92562e-04	0.0%	2	194	0.694
22	2	-12	0.97407	104.5125	5.77120e-04	0.0%	2	632	0.694
2	12	0.97407	104.5125	9.75393e-04	0.0%	2	632	0.694	
20	2	-2	0.97383	104.5490	2.59402e-04	0.0%	2	408	0.694
2	2	0.97383	104.5490	1.75532e-04	0.0%	2	408	0.694	
12	4	1	0.97372	104.5653	1.34388e-03	0.0%	2	161	0.694
12	-4	1	0.97372	104.5653	1.70256e-03	0.0%	2	161	0.694
15	3	2	0.97304	104.6684	2.35796e-05	0.0%	2	238	0.695
15	-3	2	0.97304	104.6684	1.10851e-04	0.0%	2	238	0.695
-1	5	4	0.97285	104.6981	1.60083e-04	0.0%	2	42	0.695
1	5	-4	0.97285	104.6981	1.66557e-04	0.0%	2	42	0.695
23	1	-14	0.97242	104.7629	1.39992e-03	0.0%	2	726	0.695
1	14	0.97242	104.7629	1.57561e-03	0.0%	2	726	0.695	
-8	4	12	0.97219	104.7990	1.19962e-03	0.0%	2	224	0.695
8	4	-12	0.97219	104.7990	1.27623e-03	0.0%	2	224	0.695
14	4	-10	0.97217	104.8015	1.27761e-03	0.0%	2	312	0.695
4	10	0.97217	104.8015	1.26255e-03	0.0%	2	312	0.695	
4	4	8	0.97205	104.8199	1.92601e-03	0.0%	2	96	0.695

4	-4	8	0.97205	104.8199	1.59045e-03	0.0%	2	96	0.695
14	4	-2	0.97203	104.8233	8.39014e-04	0.0%	2	216	0.695
4	2	0.97203	104.8233	1.07353e-03	0.0%	2	216	0.695	
-5	5	4	0.97070	105.0276	1.91170e-03	0.0%	2	66	0.696
5	5	-4	0.97070	105.0276	1.96626e-03	0.0%	2	66	0.696
24	0	-13	0.97066	105.0340	3.07243e-05	0.0%	2	745	0.696
6	0	13	0.97046	105.0646	2.36787e-05	0.0%	2	205	0.696
3	5	2	0.96996	105.1416	5.95162e-04	0.0%	2	38	0.697
3	-5	2	0.96996	105.1416	7.60248e-04	0.0%	2	38	0.697
3	14	0.96976	105.1726	1.90144e-04	0.0%	2	494	0.697	
17	3	-14	0.96976	105.1726	4.73644e-04	0.0%	2	494	0.697
16	0	-19	0.96939	105.2293	7.58219e-04	0.0%	2	617	0.697
4	12	0.96898	105.2936	1.54823e-03	0.0%	2	260	0.697	
10	4	-12	0.96898	105.2936	1.47811e-03	0.0%	2	260	0.697
3	15	0.96880	105.3216	1.60450e-03	0.0%	2	459	0.698	
15	3	-15	0.96880	105.3216	1.82028e-03	0.0%	2	459	0.698
10	2	9	0.96871	105.3345	5.89999e-04	0.0%	2	185	0.698
10	-2	9	0.96871	105.3345	2.92068e-04	0.0%	2	185	0.698
5	5	0	0.96853	105.3626	8.02077e-04	0.0%	4	50	0.698
19	3	-12	0.96757	105.5119	2.01793e-03	0.0%	2	514	0.698
3	12	0.96757	105.5119	2.40140e-03	0.0%	2	514	0.698	
10	0	-19	0.96720	105.5698	5.25357e-04	0.0%	2	461	0.699
-6	4	12	0.96611	105.7398	1.26385e-03	0.0%	2	196	0.700
6	4	-12	0.96611	105.7398	9.98219e-04	0.0%	2	196	0.700
-3	1	17	0.96604	105.7518	8.28736e-04	0.0%	2	299	0.700
3	1	-17	0.96604	105.7518	1.09747e-03	0.0%	2	299	0.700
-2	4	11	0.96598	105.7607	1.39878e-03	0.0%	2	141	0.700
2	4	-11	0.96598	105.7607	1.48727e-03	0.0%	2	141	0.700
-3	5	5	0.96441	106.0082	9.25309e-04	0.0%	2	59	0.701
3	5	-5	0.96441	106.0082	1.00570e-03	0.0%	2	59	0.701
2	2	14	0.96433	106.0195	1.54398e-03	0.0%	2	204	0.701
2	-2	14	0.96433	106.0195	1.28643e-03	0.0%	2	204	0.701
22	2	-6	0.96428	106.0287	2.49604e-03	0.0%	2	524	0.701
2	6	0.96428	106.0287	2.17867e-03	0.0%	2	524	0.701	
24	0	-7	0.96410	106.0571	4.45406e-05	0.0%	2	625	0.701
19	3	-4	0.96315	106.2060	7.14375e-04	0.0%	2	386	0.702
3	4	0.96315	106.2060	3.89621e-04	0.0%	2	386	0.702	
15	1	6	0.96285	106.2547	6.53882e-05	0.0%	2	262	0.702
15	-1	6	0.96285	106.2547	5.43197e-05	0.0%	2	262	0.702
2	0	-17	0.96283	106.2568	8.65952e-04	0.0%	2	293	0.702

22	2	-13	0.96263	106.2896	8.12567e-04	0.0%	2	657	0.702
2	13	0.96263	106.2896	1.10384e-03	0.0%	2	657	0.702	
4	2	13	0.96246	106.3163	5.53000e-04	0.0%	2	189	0.702
4	-2	13	0.96246	106.3163	6.68458e-04	0.0%	2	189	0.702
-5	5	5	0.96196	106.3958	9.48884e-04	0.0%	2	75	0.703
5	5	-5	0.96196	106.3958	9.79297e-04	0.0%	2	75	0.703
-6	2	17	0.96194	106.3988	1.41026e-03	0.0%	2	329	0.703
6	2	-17	0.96194	106.3988	1.87057e-03	0.0%	2	329	0.703
12	0	9	0.96189	106.4075	8.99323e-04	0.0%	2	225	0.703
20	0	-18	0.96172	106.4344	3.05071e-03	0.0%	2	724	0.703
17	1	4	0.96144	106.4778	1.71752e-04	0.0%	2	306	0.703
17	-1	4	0.96144	106.4778	1.78652e-04	0.0%	2	306	0.703
6	4	7	0.96098	106.5521	3.96597e-04	0.0%	2	101	0.704
6	-4	7	0.96098	106.5521	3.59973e-04	0.0%	2	101	0.704
1	19	0.96059	106.6141	1.61745e-03	0.0%	2	531	0.704	
13	1	-19	0.96059	106.6141	1.56067e-03	0.0%	2	531	0.704
9	3	8	0.96033	106.6555	3.05507e-04	0.0%	2	154	0.704
9	-3	8	0.96033	106.6555	8.67335e-04	0.0%	2	154	0.704
23	1	-5	0.96024	106.6706	6.89207e-04	0.0%	2	555	0.704
1	5	0.96024	106.6706	6.69578e-04	0.0%	2	555	0.704	
1	5	4	0.96011	106.6911	4.72503e-04	0.0%	2	42	0.704
1	-5	4	0.96011	106.6911	2.75219e-04	0.0%	2	42	0.704
-5	3	15	0.95994	106.7192	1.77459e-03	0.0%	2	259	0.704
5	3	-15	0.95994	106.7192	2.48281e-03	0.0%	2	259	0.704
1	18	0.95983	106.7368	1.56609e-03	0.0%	2	686	0.705	
19	1	-18	0.95983	106.7368	1.58691e-03	0.0%	2	686	0.705
0	2	15	0.95975	106.7491	6.15202e-04	0.0%	2	229	0.705
0	2	-15	0.95975	106.7491	3.46810e-04	0.0%	2	229	0.705
24	0	-14	0.95882	106.8988	4.91226e-04	0.0%	2	772	0.705
5	5	1	0.95880	106.9019	1.94258e-03	0.0%	2	51	0.705
5	-5	1	0.95880	106.9019	1.63326e-03	0.0%	2	51	0.705
-1	5	5	0.95779	107.0650	2.33612e-03	0.0%	2	51	0.706
1	5	-5	0.95779	107.0650	2.26806e-03	0.0%	2	51	0.706
7	5	-3	0.95779	107.0659	2.51815e-03	0.0%	2	83	0.706
-7	5	3	0.95779	107.0659	2.03689e-03	0.0%	2	83	0.706
1	19	0.95681	107.2237	3.98354e-04	0.0%	2	587	0.707	
15	1	-19	0.95681	107.2237	4.32694e-04	0.0%	2	587	0.707
1	17	0.95679	107.2278	2.58641e-03	0.0%	2	731	0.707	
21	1	-17	0.95679	107.2278	2.44705e-03	0.0%	2	731	0.707
4	12	0.95675	107.2343	1.56139e-03	0.0%	2	304	0.707	

12	4	-12	0.95675	107.2343	1.83086e-03	0.0%	2	304	0.707
9	1	11	0.95642	107.2871	2.30438e-04	0.0%	2	203	0.708
9	-1	11	0.95642	107.2871	2.12169e-04	0.0%	2	203	0.708
21	1	-1	0.95638	107.2941	5.16803e-04	0.0%	2	443	0.708
1	1	0.95638	107.2941	5.05831e-04	0.0%	2	443	0.708	
20	0	1	0.95633	107.3022	1.96836e-05	0.0%	2	401	0.708
8	0	12	0.95616	107.3304	3.70704e-04	0.0%	2	208	0.708
22	0	-2	0.95611	107.3385	3.58972e-04	0.0%	2	488	0.708
3	5	3	0.95605	107.3471	2.17415e-03	0.0%	2	43	0.708
3	-5	3	0.95605	107.3471	1.79402e-03	0.0%	2	43	0.708
7	5	-4	0.95599	107.3572	1.05181e-03	0.0%	2	90	0.708
-7	5	4	0.95599	107.3572	1.03903e-03	0.0%	2	90	0.708
7	5	-2	0.95598	107.3600	1.08757e-03	0.0%	2	78	0.708
-7	5	2	0.95598	107.3600	1.25848e-03	0.0%	2	78	0.708
2	17	0.95582	107.3848	1.19771e-03	0.0%	2	617	0.708	
18	2	-17	0.95582	107.3848	1.49661e-03	0.0%	2	617	0.708
14	4	-11	0.95562	107.4180	3.93433e-04	0.0%	2	333	0.708
4	11	0.95562	107.4180	1.53633e-04	0.0%	2	333	0.708	
14	4	-1	0.95545	107.4456	3.35927e-04	0.0%	2	213	0.709
4	1	0.95545	107.4456	6.94949e-04	0.0%	2	213	0.709	
1	19	0.95541	107.4530	2.18997e-03	0.0%	2	483	0.709	
11	1	-19	0.95541	107.4530	2.06104e-03	0.0%	2	483	0.709
23	1	-15	0.95536	107.4608	3.15912e-04	0.0%	2	755	0.709
1	15	0.95536	107.4608	2.33827e-04	0.0%	2	755	0.709	
17	3	0	0.95481	107.5505	2.14128e-04	0.0%	4	298	0.709
2	18	0.95453	107.5967	1.68163e-03	0.0%	2	472	0.709	
12	2	-18	0.95453	107.5967	1.53762e-03	0.0%	2	472	0.709
6	2	12	0.95424	107.6444	6.77121e-04	0.0%	2	184	0.710
6	-2	12	0.95424	107.6444	1.26443e-03	0.0%	2	184	0.710
16	4	-7	0.95349	107.7666	2.02899e-03	0.0%	2	321	0.710
4	7	0.95349	107.7666	1.93863e-03	0.0%	2	321	0.710	
13	1	8	0.95322	107.8122	2.06322e-04	0.0%	2	234	0.711
13	-1	8	0.95322	107.8122	2.46554e-04	0.0%	2	234	0.711
3	16	0.95307	107.8368	1.88180e-03	0.0%	2	386	0.711	
11	3	-16	0.95307	107.8368	1.72465e-03	0.0%	2	386	0.711
22	0	-17	0.95267	107.9019	1.06383e-04	0.0%	2	773	0.711
16	4	-6	0.95220	107.9796	2.51328e-03	0.0%	2	308	0.712
4	6	0.95220	107.9796	3.16505e-03	0.0%	2	308	0.712	

3	3	12	0.95220	107.9811	1.42486e-03	0.0%	2	162	0.712
3	-3	12	0.95220	107.9811	9.81077e-04	0.0%	2	162	0.712
2	18	0.95217	107.9855	1.97203e-03	0.0%	2	524	0.712	
14	2	-18	0.95217	107.9855	2.08547e-03	0.0%	2	524	0.712
2	16	0.95215	107.9894	9.44973e-04	0.0%	2	660	0.712	
20	2	-16	0.95215	107.9894	1.05177e-03	0.0%	2	660	0.712
10	4	4	0.95212	107.9932	1.68617e-04	0.0%	2	132	0.712
10	-4	4	0.95212	107.9932	2.14096e-05	0.0%	2	132	0.712
18	0	-19	0.95204	108.0065	4.43086e-03	0.0%	2	685	0.712
14	2	6	0.95177	108.0520	5.81584e-04	0.0%	2	236	0.712
14	-2	6	0.95177	108.0520	6.25511e-04	0.0%	2	236	0.712
19	3	-13	0.95176	108.0531	9.51370e-04	0.0%	2	539	0.712
3	13	0.95176	108.0531	8.98678e-04	0.0%	2	539	0.712	
16	2	4	0.95176	108.0532	6.54985e-04	0.0%	2	276	0.712
16	-2	4	0.95176	108.0532	3.94440e-04	0.0%	2	276	0.712
1	3	13	0.95164	108.0738	1.00738e-04	0.0%	2	179	0.712
1	-3	13	0.95164	108.0738	4.11467e-05	0.0%	2	179	0.712
-4	4	12	0.95126	108.1366	2.73589e-03	0.0%	2	176	0.713
4	4	-12	0.95126	108.1366	2.64802e-03	0.0%	2	176	0.713
16	4	-8	0.95123	108.1413	2.62089e-04	0.0%	2	336	0.713
4	8	0.95123	108.1413	3.09288e-04	0.0%	2	336	0.713	
7	5	-5	0.95066	108.2367	1.19700e-03	0.0%	2	99	0.713
-7	5	5	0.95066	108.2367	9.82282e-04	0.0%	2	99	0.713
7	5	-1	0.95062	108.2422	2.22056e-03	0.0%	2	75	0.713
-7	5	1	0.95062	108.2422	2.13694e-03	0.0%	2	75	0.713
24	0	-6	0.95041	108.2774	5.15958e-06	0.0%	2	612	0.714
22	2	-5	0.95008	108.3325	2.68978e-04	0.0%	2	513	0.714
2	5	0.95008	108.3325	2.98448e-04	0.0%	2	513	0.714	
-5	5	6	0.94991	108.3618	6.28445e-04	0.0%	2	86	0.714
5	5	-6	0.94991	108.3618	6.88320e-04	0.0%	2	86	0.714
12	4	2	0.94943	108.4423	6.95749e-05	0.0%	2	164	0.715
12	-4	2	0.94943	108.4423	9.78252e-05	0.0%	2	164	0.715
-3	5	6	0.94923	108.4751	4.77893e-04	0.0%	2	70	0.715
3	5	-6	0.94923	108.4751	5.83123e-04	0.0%	2	70	0.715
19	1	2	0.94915	108.4881	7.31907e-04	0.0%	2	366	0.715
19	-1	2	0.94915	108.4881	6.79337e-04	0.0%	2	366	0.715
3	16	0.94904	108.5071	2.16741e-03	0.0%	2	434	0.715	
13	3	-16	0.94904	108.5071	2.55251e-03	0.0%	2	434	0.715
-2	2	16	0.94898	108.5173	9.46153e-04	0.0%	2	264	0.715
2	2	-16	0.94898	108.5173	8.96003e-04	0.0%	2	264	0.715
8	0	-19	0.94859	108.5829	1.03291e-03	0.0%	2	425	0.716

-9	3	16	0.94834	108.6246	2.04469e-03	0.0%	2	346	0.716
9	3	-16	0.94834	108.6246	1.76589e-03	0.0%	2	346	0.716
2	18	0.94810	108.6647	5.88726e-04	0.0%	2	428	0.716	
10	2	-18	0.94810	108.6647	5.88041e-04	0.0%	2	428	0.716
22	2	-14	0.94806	108.6722	1.03492e-03	0.0%	2	684	0.716
2	14	0.94806	108.6722	1.20042e-03	0.0%	2	684	0.716	
20	2	-1	0.94801	108.6801	3.75439e-04	0.0%	2	405	0.716
2	1	0.94801	108.6801	4.06725e-04	0.0%	2	405	0.716	
16	4	-5	0.94740	108.7824	1.61609e-03	0.0%	2	297	0.717
4	5	0.94740	108.7824	1.09632e-03	0.0%	2	297	0.717	
5	3	11	0.94655	108.9266	1.21427e-03	0.0%	2	155	0.718
5	-3	11	0.94655	108.9266	1.27675e-03	0.0%	2	155	0.718
19	3	-3	0.94651	108.9331	3.25955e-04	0.0%	2	379	0.718
3	3	0.94651	108.9331	2.07101e-04	0.0%	2	379	0.718	
5	5	2	0.94586	109.0444	1.05046e-03	0.0%	2	54	0.719
5	-5	2	0.94586	109.0444	9.29156e-04	0.0%	2	54	0.719
16	4	-9	0.94549	109.1075	9.77604e-04	0.0%	2	353	0.719
4	9	0.94549	109.1075	1.19040e-03	0.0%	2	353	0.719	
-5	1	18	0.94548	109.1088	1.07598e-03	0.0%	2	350	0.719
5	1	-18	0.94548	109.1088	1.16523e-03	0.0%	2	350	0.719
4	0	-18	0.94528	109.1433	1.34548e-03	0.0%	2	340	0.719
-1	3	14	0.94491	109.2065	3.52073e-04	0.0%	2	206	0.720
1	3	-14	0.94491	109.2065	2.24209e-04	0.0%	2	206	0.720
1	19	0.94438	109.2965	1.30578e-04	0.0%	2	651	0.720	
17	1	-19	0.94438	109.2965	1.39327e-04	0.0%	2	651	0.720
8	4	6	0.94412	109.3407	3.76961e-05	0.0%	2	116	0.721
8	-4	6	0.94412	109.3407	1.51385e-04	0.0%	2	116	0.721
24	0	-15	0.94393	109.3738	7.74197e-04	0.0%	2	801	0.721
3	15	0.94380	109.3948	7.15833e-04	0.0%	2	523	0.721	
17	3	-15	0.94380	109.3948	1.23385e-03	0.0%	2	523	0.721
13	3	5	0.94349	109.4484	1.07688e-04	0.0%	2	203	0.722
13	-3	5	0.94349	109.4484	3.43945e-05	0.0%	2	203	0.722
1	5	5	0.94266	109.5916	1.22362e-03	0.0%	2	51	0.723
1	-5	5	0.94266	109.5916	1.14885e-03	0.0%	2	51	0.723
-7	5	6	0.94195	109.7135	7.01126e-04	0.0%	2	110	0.723
7	5	-6	0.94195	109.7135	7.26298e-04	0.0%	2	110	0.723
7	5	0	0.94190	109.7219	1.54937e-03	0.0%	4	74	0.723
-9	1	19	0.94168	109.7610	2.60460e-03	0.0%	2	443	0.724
9	1	-19	0.94168	109.7610	2.15672e-03	0.0%	2	443	0.724

23	1	-4	0.94128	109.8296	1.29488e-06	0.0%	2	546	0.724
1	4	0.94128	109.8296	7.55860e-06	0.0%	2	546	0.724	
2	18	0.94122	109.8411	1.74501e-03	0.0%	2	584	0.724	
16	2	-18	0.94122	109.8411	1.73947e-03	0.0%	2	584	0.724
12	2	8	0.94116	109.8517	1.65463e-05	0.0%	2	212	0.724
12	-2	8	0.94116	109.8517	3.45553e-06	0.0%	2	212	0.724
18	2	2	0.94113	109.8553	3.17921e-04	0.0%	2	332	0.724
18	-2	2	0.94113	109.8553	3.63603e-04	0.0%	2	332	0.724
15	3	3	0.94087	109.9016	7.80347e-04	0.0%	2	243	0.725
15	-3	3	0.94087	109.9016	4.60050e-04	0.0%	2	243	0.725
8	2	11	0.94014	110.0273	4.78117e-06	0.0%	2	189	0.726
8	-2	11	0.94014	110.0273	2.61945e-05	0.0%	2	189	0.726
-1	5	6	0.93998	110.0564	7.40090e-04	0.0%	2	62	0.726
1	5	-6	0.93998	110.0564	7.40408e-04	0.0%	2	62	0.726
4	13	0.93965	110.1144	1.47329e-03	0.0%	2	285	0.726	
10	4	-13	0.93965	110.1144	1.63756e-03	0.0%	2	285	0.726
-8	4	13	0.93963	110.1165	1.72831e-03	0.0%	2	249	0.726
8	4	-13	0.93963	110.1165	1.57107e-03	0.0%	2	249	0.726
3	5	4	0.93930	110.1741	6.61982e-04	0.0%	2	50	0.727
3	-5	4	0.93930	110.1741	4.82843e-04	0.0%	2	50	0.727
2	4	10	0.93928	110.1787	1.68270e-04	0.0%	2	120	0.727
2	-4	10	0.93928	110.1787	4.03516e-04	0.0%	2	120	0.727
16	4	-4	0.93925	110.1837	6.61594e-04	0.0%	2	288	0.727
4	4	0.93925	110.1837	1.27142e-03	0.0%	2	288	0.727	
16	0	6	0.93713	110.5565	8.11354e-04	0.0%	2	292	0.730
0	4	11	0.93696	110.5862	3.13180e-03	0.0%	2	137	0.730
0	4	-11	0.93696	110.5862	3.05306e-03	0.0%	2	137	0.730
3	16	0.93658	110.6534	1.52593e-03	0.0%	2	490	0.731	
15	3	-16	0.93658	110.6534	1.58469e-03	0.0%	2	490	0.731
4	12	0.93649	110.6690	1.41369e-03	0.0%	2	356	0.731	
14	4	-12	0.93649	110.6690	1.70410e-03	0.0%	2	356	0.731
10	0	11	0.93646	110.6738	1.04335e-04	0.0%	2	221	0.731
16	4	-10	0.93645	110.6758	1.63248e-03	0.0%	2	372	0.731
4	10	0.93645	110.6758	1.58394e-03	0.0%	2	372	0.731	
14	4	0	0.93630	110.7028	8.54798e-04	0.0%	4	212	0.731
23	1	-16	0.93577	110.7963	8.23335e-05	0.0%	2	786	0.732
1	16	0.93577	110.7963	1.09394e-04	0.0%	2	786	0.732	
11	3	7	0.93571	110.8079	4.40294e-04	0.0%	2	179	0.732
11	-3	7	0.93571	110.8079	2.47457e-04	0.0%	2	179	0.732

4	4	9	0.93562	110.8226	1.16134e-03	0.0%	2	113	0.732
4	-4	9	0.93562	110.8226	5.13240e-04	0.0%	2	113	0.732
-7	3	16	0.93523	110.8917	1.03353e-03	0.0%	2	314	0.732
7	3	-16	0.93523	110.8917	1.43780e-03	0.0%	2	314	0.732
7	3	10	0.93503	110.9284	1.60230e-04	0.0%	2	158	0.733
7	-3	10	0.93503	110.9284	5.00111e-04	0.0%	2	158	0.733
-5	5	7	0.93492	110.9481	1.50014e-03	0.0%	2	99	0.733
5	5	-7	0.93492	110.9481	1.69244e-03	0.0%	2	99	0.733
18	0	4	0.93455	111.0132	3.06202e-05	0.0%	2	340	0.733
24	0	-5	0.93393	111.1248	2.35807e-04	0.0%	2	601	0.734
3	1	15	0.93372	111.1623	5.05169e-04	0.0%	2	235	0.735
3	-1	15	0.93372	111.1623	4.15078e-04	0.0%	2	235	0.735
9	5	-4	0.93353	111.1953	6.44197e-04	0.0%	2	122	0.735
-9	5	4	0.93353	111.1953	6.44285e-04	0.0%	2	122	0.735
11	1	10	0.93351	111.1995	1.04139e-04	0.0%	2	222	0.735
11	-1	10	0.93351	111.1995	1.40587e-04	0.0%	2	222	0.735
-8	2	18	0.93341	111.2182	2.85279e-04	0.0%	2	392	0.735
8	2	-18	0.93341	111.2182	4.96809e-04	0.0%	2	392	0.735
19	3	-14	0.93334	111.2302	3.14436e-04	0.0%	2	566	0.735
3	14	0.93334	111.2302	1.33236e-04	0.0%	2	566	0.735	
22	2	-4	0.93314	111.2661	1.79103e-04	0.0%	2	504	0.736
2	4	0.93314	111.2661	1.14837e-04	0.0%	2	504	0.736	
-4	2	17	0.93263	111.3580	5.56083e-04	0.0%	2	309	0.736
4	2	-17	0.93263	111.3580	5.22034e-04	0.0%	2	309	0.736
-3	3	15	0.93239	111.4014	4.97924e-04	0.0%	2	243	0.737
3	3	-15	0.93239	111.4014	5.34766e-04	0.0%	2	243	0.737
21	3	-9	0.93234	111.4099	8.45362e-04	0.0%	2	531	0.737
3	9	0.93234	111.4099	1.06657e-03	0.0%	2	531	0.737	
9	5	-3	0.93233	111.4114	5.31723e-04	0.0%	2	115	0.737
-9	5	3	0.93233	111.4114	6.14038e-04	0.0%	2	115	0.737
1	1	16	0.93177	111.5131	7.59101e-04	0.0%	2	258	0.738
1	-1	16	0.93177	111.5131	6.28796e-04	0.0%	2	258	0.738
-3	5	7	0.93141	111.5781	2.37809e-03	0.0%	2	83	0.738
3	5	-7	0.93141	111.5781	2.40320e-03	0.0%	2	83	0.738
9	5	-5	0.93140	111.5795	1.38613e-03	0.0%	2	131	0.738
-9	5	5	0.93140	111.5795	1.41312e-03	0.0%	2	131	0.738
4	13	0.93132	111.5947	1.28958e-03	0.0%	2	329	0.738	
12	4	-13	0.93132	111.5947	1.33606e-03	0.0%	2	329	0.738
-6	4	13	0.93128	111.6010	1.01220e-03	0.0%	2	221	0.738
6	4	-13	0.93128	111.6010	1.24241e-03	0.0%	2	221	0.738
22	2	-15	0.93080	111.6892	7.23581e-04	0.0%	2	713	0.739
2	15	0.93080	111.6892	1.05910e-03	0.0%	2	713	0.739	

21	3	-10	0.93070	111.7063	6.59287e-04	0.0%	2	550	0.739
3	10	0.93070	111.7063	8.76172e-04	0.0%	2	550	0.739	
21	3	-8	0.93065	111.7148	5.86446e-04	0.0%	2	514	0.739
3	8	0.93065	111.7148	6.50899e-04	0.0%	2	514	0.739	
-7	5	7	0.93016	111.8051	1.32191e-03	0.0%	2	123	0.740
7	5	-7	0.93016	111.8051	1.18502e-03	0.0%	2	123	0.740
5	5	3	0.93010	111.8160	7.30232e-04	0.0%	2	59	0.740
5	-5	3	0.93010	111.8160	8.97453e-04	0.0%	2	59	0.740
7	5	1	0.93010	111.8165	4.06225e-04	0.0%	2	75	0.740
7	-5	1	0.93010	111.8165	5.81746e-04	0.0%	2	75	0.740
14	0	-20	0.92993	111.8462	1.43628e-03	0.0%	2	596	0.740
5	1	14	0.92980	111.8700	1.36952e-03	0.0%	2	222	0.741
5	-1	14	0.92980	111.8700	1.36282e-03	0.0%	2	222	0.741
14	0	8	0.92950	111.9257	9.32175e-05	0.0%	2	260	0.741
22	0	-1	0.92880	112.0530	7.17366e-04	0.0%	2	485	0.742
-2	4	12	0.92880	112.0537	1.35778e-03	0.0%	2	164	0.742
2	4	-12	0.92880	112.0537	1.35738e-03	0.0%	2	164	0.742
25	1	-11	0.92872	112.0678	9.23751e-04	0.0%	2	747	0.742
1	11	0.92872	112.0678	9.83323e-04	0.0%	2	747	0.742	
17	3	1	0.92809	112.1840	8.85057e-04	0.0%	2	299	0.743
17	-3	1	0.92809	112.1840	5.20037e-04	0.0%	2	299	0.743
16	4	-3	0.92800	112.2003	3.49258e-04	0.0%	2	281	0.744
4	3	0.92800	112.2003	7.77190e-04	0.0%	2	281	0.744	
25	1	-10	0.92799	112.2022	3.33506e-04	0.0%	2	726	0.744
1	10	0.92799	112.2022	2.57833e-04	0.0%	2	726	0.744	
9	5	-2	0.92783	112.2307	9.10994e-04	0.0%	2	110	0.744
-9	5	2	0.92783	112.2307	1.06728e-03	0.0%	2	110	0.744
1	18	0.92759	112.2751	5.74862e-04	0.0%	2	766	0.744	
21	1	-18	0.92759	112.2751	5.52610e-04	0.0%	2	766	0.744
19	3	-2	0.92741	112.3086	3.94355e-04	0.0%	2	374	0.744
3	2	0.92741	112.3086	1.63340e-04	0.0%	2	374	0.744	
20	0	-19	0.92736	112.3179	3.56953e-03	0.0%	2	761	0.745
21	1	0	0.92717	112.3520	1.82240e-04	0.0%	4	442	0.745
12	0	-20	0.92647	112.4823	1.26234e-03	0.0%	2	544	0.746
24	0	-16	0.92642	112.4909	1.85575e-06	0.0%	2	832	0.746
6	4	8	0.92620	112.5316	6.67293e-04	0.0%	2	116	0.746
6	-4	8	0.92620	112.5316	4.44179e-04	0.0%	2	116	0.746
25	1	-12	0.92617	112.5376	8.03541e-05	0.0%	2	770	0.747
1	12	0.92617	112.5376	5.18257e-05	0.0%	2	770	0.747	

9	5	-6	0.92600	112.5689	8.70731e-04	0.0%	2	142	0.747
-9	5	6	0.92600	112.5689	7.31790e-04	0.0%	2	142	0.747
21	3	-11	0.92579	112.6076	4.69890e-04	0.0%	2	571	0.747
3	11	0.92579	112.6076	7.43260e-04	0.0%	2	571	0.747	
21	3	-7	0.92570	112.6247	2.97343e-04	0.0%	2	499	0.747
3	7	0.92570	112.6247	1.21788e-04	0.0%	2	499	0.747	
16	0	-20	0.92526	112.7065	4.56081e-04	0.0%	2	656	0.748
22	0	-18	0.92523	112.7111	1.10128e-03	0.0%	2	808	0.748
2	17	0.92521	112.7152	6.74355e-04	0.0%	2	693	0.748	
20	2	-17	0.92521	112.7152	9.15568e-04	0.0%	2	693	0.748
16	4	-11	0.92440	112.8661	2.45687e-05	0.0%	2	393	0.750
4	11	0.92440	112.8661	2.38896e-05	0.0%	2	393	0.750	
1	19	0.92427	112.8915	6.62620e-04	0.0%	2	723	0.750	
19	1	-19	0.92427	112.8915	8.90291e-04	0.0%	2	723	0.750
-1	1	17	0.92406	112.9301	5.74063e-04	0.0%	2	291	0.750
1	1	-17	0.92406	112.9301	6.42392e-04	0.0%	2	291	0.750
25	1	-9	0.92399	112.9426	8.36855e-04	0.0%	2	707	0.750
1	9	0.92399	112.9426	7.73353e-04	0.0%	2	707	0.750	
12	4	3	0.92361	113.0152	4.30754e-04	0.0%	2	169	0.751
12	-4	3	0.92361	113.0152	7.37936e-04	0.0%	2	169	0.751
6	0	-19	0.92290	113.1484	2.02440e-03	0.0%	2	397	0.752
1	5	6	0.92288	113.1521	1.02391e-03	0.0%	2	62	0.752
1	-5	6	0.92288	113.1521	8.56454e-04	0.0%	2	62	0.752
2	18	0.92253	113.2178	8.12494e-04	0.0%	2	652	0.753	
18	2	-18	0.92253	113.2178	8.35070e-04	0.0%	2	652	0.753
10	4	5	0.92238	113.2458	4.54630e-04	0.0%	2	141	0.753
10	-4	5	0.92238	113.2458	1.19051e-03	0.0%	2	141	0.753
2	0	16	0.92222	113.2769	1.57056e-05	0.0%	2	260	0.753
20	0	2	0.92202	113.3136	1.17337e-04	0.0%	2	404	0.754
4	0	15	0.92149	113.4142	2.13148e-04	0.0%	2	241	0.755
17	1	5	0.92105	113.4980	2.10408e-04	0.0%	2	315	0.756
17	-1	5	0.92105	113.4980	1.56841e-04	0.0%	2	315	0.756
10	2	10	0.92095	113.5170	3.62309e-04	0.0%	2	204	0.756
10	-2	10	0.92095	113.5170	3.72604e-04	0.0%	2	204	0.756
20	2	0	0.92092	113.5230	3.82987e-04	0.0%	4	404	0.756
-7	1	19	0.92048	113.6062	1.93625e-03	0.0%	2	411	0.757
7	1	-19	0.92048	113.6062	1.76382e-03	0.0%	2	411	0.757
25	1	-13	0.92042	113.6178	1.18989e-03	0.0%	2	795	0.757
1	13	0.92042	113.6178	1.47845e-03	0.0%	2	795	0.757	

7	1	13	0.92024	113.6522	4.25807e-04	0.0%	2	219	0.757
7	-1	13	0.92024	113.6522	4.64881e-04	0.0%	2	219	0.757
23	1	-3	0.92018	113.6619	3.51783e-04	0.0%	2	539	0.757
1	3	0.92018	113.6619	2.65974e-04	0.0%	2	539	0.757	
3	5	5	0.92018	113.6624	1.25995e-03	0.0%	2	59	0.757
3	-5	5	0.92018	113.6624	1.20424e-03	0.0%	2	59	0.757
9	5	-1	0.92017	113.6638	4.04185e-04	0.0%	2	107	0.757
-9	5	1	0.92017	113.6638	6.83816e-04	0.0%	2	107	0.757
-1	5	7	0.91991	113.7153	5.48718e-04	0.0%	2	75	0.758
1	5	-7	0.91991	113.7153	5.28412e-04	0.0%	2	75	0.758
15	1	7	0.91862	113.9618	4.33563e-04	0.0%	2	275	0.760
15	-1	7	0.91862	113.9618	3.63706e-04	0.0%	2	275	0.760
9	3	9	0.91825	114.0315	2.39425e-04	0.0%	2	171	0.761
9	-3	9	0.91825	114.0315	5.80856e-04	0.0%	2	171	0.761
21	3	-12	0.91776	114.1261	1.84322e-04	0.0%	2	594	0.762
3	12	0.91776	114.1261	2.75918e-04	0.0%	2	594	0.762	
21	3	-6	0.91763	114.1521	9.79340e-05	0.0%	2	486	0.762
3	6	0.91763	114.1521	1.26871e-06	0.0%	2	486	0.762	
9	5	-7	0.91750	114.1770	3.12698e-04	0.0%	2	155	0.762
-9	5	7	0.91750	114.1770	3.73049e-04	0.0%	2	155	0.762
-5	5	8	0.91742	114.1913	1.17764e-03	0.0%	2	114	0.763
5	5	-8	0.91742	114.1913	1.09870e-03	0.0%	2	114	0.763
0	0	17	0.91730	114.2154	9.55956e-04	0.0%	2	289	0.763
25	1	-8	0.91687	114.2991	1.38698e-04	0.0%	2	690	0.764
1	8	0.91687	114.2991	1.38707e-04	0.0%	2	690	0.764	
3	16	0.91665	114.3420	2.43531e-04	0.0%	2	554	0.764	
17	3	-16	0.91665	114.3420	2.55904e-04	0.0%	2	554	0.764
24	2	-10	0.91593	114.4802	6.79547e-05	0.0%	2	680	0.765
2	10	0.91593	114.4802	3.12606e-05	0.0%	2	680	0.765	
-7	5	8	0.91562	114.5409	1.66972e-03	0.0%	2	138	0.766
7	5	-8	0.91562	114.5409	1.62218e-03	0.0%	2	138	0.766
7	5	2	0.91555	114.5554	4.68303e-04	0.0%	2	78	0.766
7	-5	2	0.91555	114.5554	7.61842e-04	0.0%	2	78	0.766
4	13	0.91529	114.6047	1.68139e-03	0.0%	2	381	0.767	
14	4	-13	0.91529	114.6047	1.77640e-03	0.0%	2	381	0.767
24	2	-11	0.91528	114.6069	1.90860e-04	0.0%	2	701	0.767
2	11	0.91528	114.6069	1.43097e-04	0.0%	2	701	0.767	
-4	4	13	0.91524	114.6156	2.03214e-04	0.0%	2	201	0.767
4	4	-13	0.91524	114.6156	3.92344e-04	0.0%	2	201	0.767

6	0	14	0.91516	114.6307	1.29020e-03	0.0%	2	232	0.767
10	0	-20	0.91513	114.6362	1.31575e-03	0.0%	2	500	0.767
24	0	-4	0.91510	114.6417	2.82796e-06	0.0%	2	592	0.767
14	4	1	0.91509	114.6453	4.87707e-04	0.0%	2	213	0.767
14	-4	1	0.91509	114.6453	5.54780e-04	0.0%	2	213	0.767
-5	3	16	0.91476	114.7094	8.79815e-04	0.0%	2	290	0.768
5	3	-16	0.91476	114.7094	1.37195e-03	0.0%	2	290	0.768
23	1	-17	0.91418	114.8219	1.81974e-03	0.0%	2	819	0.769
1	17	0.91418	114.8219	1.67991e-03	0.0%	2	819	0.769	
16	4	-2	0.91398	114.8611	1.08695e-03	0.0%	2	276	0.769
4	2	0.91398	114.8611	1.14272e-03	0.0%	2	276	0.769	
22	2	-3	0.91392	114.8743	1.16530e-04	0.0%	2	497	0.770
2	3	0.91392	114.8743	1.76726e-04	0.0%	2	497	0.770	
16	2	5	0.91387	114.8842	1.73358e-04	0.0%	2	285	0.770
16	-2	5	0.91387	114.8842	7.59571e-05	0.0%	2	285	0.770
19	1	3	0.91379	114.8998	7.21879e-05	0.0%	2	371	0.770
19	-1	3	0.91379	114.8998	1.17412e-04	0.0%	2	371	0.770
3	17	0.91370	114.9158	8.05375e-04	0.0%	2	419	0.770	
11	3	-17	0.91370	114.9158	5.23939e-04	0.0%	2	419	0.770
1	20	0.91354	114.9489	1.36163e-03	0.0%	2	570	0.770	
13	1	-20	0.91354	114.9489	1.42818e-03	0.0%	2	570	0.770
24	2	-9	0.91344	114.9688	1.21629e-04	0.0%	2	661	0.771
2	9	0.91344	114.9688	2.44891e-04	0.0%	2	661	0.771	
1	20	0.91296	115.0631	1.57247e-03	0.0%	2	626	0.772	
15	1	-20	0.91296	115.0631	1.57535e-03	0.0%	2	626	0.772
3	17	0.91282	115.0893	1.06449e-03	0.0%	2	467	0.772	
13	3	-17	0.91282	115.0893	1.17524e-03	0.0%	2	467	0.772
18	0	-20	0.91281	115.0926	5.09696e-04	0.0%	2	724	0.772
3	15	0.91280	115.0932	7.04958e-04	0.0%	2	595	0.772	
19	3	-15	0.91280	115.0932	1.10566e-03	0.0%	2	595	0.772
12	0	10	0.91238	115.1763	1.71285e-04	0.0%	2	244	0.773
2	2	15	0.91224	115.2039	4.38301e-04	0.0%	2	233	0.773
2	-2	15	0.91224	115.2039	4.53921e-04	0.0%	2	233	0.773
5	5	4	0.91197	115.2591	2.06481e-03	0.0%	2	66	0.774
5	-5	4	0.91197	115.2591	2.16901e-03	0.0%	2	66	0.774
25	1	-14	0.91164	115.3240	5.14946e-04	0.0%	2	822	0.774
1	14	0.91164	115.3240	6.95701e-04	0.0%	2	822	0.774	
-6	2	18	0.91156	115.3400	4.75716e-04	0.0%	2	364	0.775

6	2	-18	0.91156	115.3400	8.22315e-04	0.0%	2	364	0.775
8	4	7	0.91152	115.3473	1.86947e-03	0.0%	2	129	0.775
8	-4	7	0.91152	115.3473	2.46535e-03	0.0%	2	129	0.775
24	2	-12	0.91150	115.3510	8.95250e-04	0.0%	2	724	0.775
2	12	0.91150	115.3510	9.57402e-04	0.0%	2	724	0.775	
-3	5	8	0.91143	115.3663	3.51320e-04	0.0%	2	98	0.775
3	5	-8	0.91143	115.3663	3.81393e-04	0.0%	2	98	0.775
22	2	-16	0.91131	115.3883	1.36945e-03	0.0%	2	744	0.775
2	16	0.91131	115.3883	1.41719e-03	0.0%	2	744	0.775	
4	2	14	0.91110	115.4313	5.02350e-04	0.0%	2	216	0.776
4	-2	14	0.91110	115.4313	6.56356e-04	0.0%	2	216	0.776
-3	1	18	0.91101	115.4482	4.96402e-04	0.0%	2	334	0.776
3	1	-18	0.91101	115.4482	7.39004e-04	0.0%	2	334	0.776
2	19	0.91069	115.5130	7.29453e-04	0.0%	2	561	0.777	
14	2	-19	0.91069	115.5130	7.28223e-04	0.0%	2	561	0.777
14	2	7	0.91031	115.5890	1.95890e-04	0.0%	2	249	0.777
14	-2	7	0.91031	115.5890	1.35492e-04	0.0%	2	249	0.777
2	19	0.91008	115.6344	4.02552e-04	0.0%	2	509	0.778	
12	2	-19	0.91008	115.6344	5.45359e-04	0.0%	2	509	0.778
4	14	0.90971	115.7080	7.60839e-04	0.0%	2	312	0.779	
10	4	-14	0.90971	115.7080	8.95615e-04	0.0%	2	312	0.779
16	4	-12	0.90970	115.7112	2.84601e-03	0.0%	2	416	0.779
4	12	0.90970	115.7112	2.46583e-03	0.0%	2	416	0.779	
9	5	0	0.90959	115.7319	2.94271e-03	0.0%	4	106	0.779
15	3	4	0.90859	115.9348	1.36184e-05	0.0%	2	250	0.781
15	-3	4	0.90859	115.9348	4.81764e-05	0.0%	2	250	0.781
18	2	3	0.90794	116.0647	1.14340e-05	0.0%	2	337	0.783
18	-2	3	0.90794	116.0647	1.69249e-05	0.0%	2	337	0.783
0	2	16	0.90792	116.0685	6.68218e-04	0.0%	2	260	0.783
0	2	-16	0.90792	116.0685	6.91111e-04	0.0%	2	260	0.783
24	2	-8	0.90786	116.0803	2.99082e-04	0.0%	2	644	0.783
2	8	0.90786	116.0803	3.47612e-04	0.0%	2	644	0.783	
13	3	6	0.90742	116.1706	1.41476e-04	0.0%	2	214	0.784
13	-3	6	0.90742	116.1706	9.93827e-06	0.0%	2	214	0.784
-8	4	14	0.90706	116.2437	6.85953e-04	0.0%	2	276	0.785
8	4	-14	0.90706	116.2437	1.05250e-03	0.0%	2	276	0.785
2	0	-18	0.90701	116.2541	2.03743e-03	0.0%	2	328	0.785
-9	3	17	0.90689	116.2774	1.17925e-03	0.0%	2	379	0.785
9	3	-17	0.90689	116.2774	1.03089e-03	0.0%	2	379	0.785
21	3	-13	0.90686	116.2848	9.09787e-04	0.0%	2	619	0.785

3	13	0.90686	116.2848	1.26660e-03	0.0%	2	619	0.785	
25	1	-7	0.90682	116.2923	1.04748e-04	0.0%	2	675	0.785
1	7	0.90682	116.2923	7.46716e-05	0.0%	2	675	0.785	
24	0	-17	0.90677	116.3020	1.82774e-03	0.0%	2	865	0.786
3	3	13	0.90673	116.3112	7.75145e-05	0.0%	2	187	0.786
3	-3	13	0.90673	116.3112	1.57926e-04	0.0%	2	187	0.786
13	1	9	0.90672	116.3123	1.53707e-04	0.0%	2	251	0.786
13	-1	9	0.90672	116.3123	1.49718e-04	0.0%	2	251	0.786
21	3	-5	0.90668	116.3201	2.34319e-04	0.0%	2	475	0.786
3	5	0.90668	116.3201	4.57895e-05	0.0%	2	475	0.786	
1	20	0.90643	116.3709	2.30603e-03	0.0%	2	522	0.786	
11	1	-20	0.90643	116.3709	2.29179e-03	0.0%	2	522	0.786
19	3	-1	0.90634	116.3904	1.38112e-04	0.0%	2	371	0.787
3	1	0.90634	116.3904	9.64075e-05	0.0%	2	371	0.787	
-9	5	8	0.90615	116.4283	2.86086e-03	0.0%	2	170	0.787
9	5	-8	0.90615	116.4283	2.84024e-03	0.0%	2	170	0.787
1	3	14	0.90581	116.4985	5.00813e-04	0.0%	2	206	0.788
1	-3	14	0.90581	116.4985	3.63953e-04	0.0%	2	206	0.788
11	5	-5	0.90561	116.5396	1.80053e-03	0.0%	2	171	0.788
5	5	0.90561	116.5396	2.25295e-03	0.0%	2	171	0.788	
9	1	12	0.90553	116.5552	2.53323e-04	0.0%	2	226	0.788
9	-1	12	0.90553	116.5552	2.65149e-04	0.0%	2	226	0.788
11	5	-4	0.90494	116.6759	5.71531e-04	0.0%	2	162	0.790
5	4	0.90494	116.6759	7.28450e-04	0.0%	2	162	0.790	
4	14	0.90475	116.7152	1.28474e-03	0.0%	2	356	0.790	
12	4	-14	0.90475	116.7152	1.37287e-03	0.0%	2	356	0.790
1	20	0.90474	116.7180	1.64070e-03	0.0%	2	690	0.790	
17	1	-20	0.90474	116.7180	1.74458e-03	0.0%	2	690	0.790
24	2	-13	0.90471	116.7240	2.56818e-04	0.0%	2	749	0.790
2	13	0.90471	116.7240	2.41418e-04	0.0%	2	749	0.790	
18	4	-8	0.90465	116.7366	1.41650e-04	0.0%	2	404	0.791
4	8	0.90465	116.7366	1.05524e-05	0.0%	2	404	0.791	
6	2	13	0.90455	116.7571	1.40433e-04	0.0%	2	209	0.791
6	-2	13	0.90455	116.7571	1.85483e-04	0.0%	2	209	0.791
3	17	0.90432	116.8047	1.73170e-03	0.0%	2	523	0.791	
15	3	-17	0.90432	116.8047	1.85537e-03	0.0%	2	523	0.791

18	4	-7	0.90398	116.8746	1.59132e-03	0.0%	2	389	0.792
4	7	0.90398	116.8746	1.98531e-03	0.0%	2	389	0.792	
2	19	0.90368	116.9352	1.75581e-03	0.0%	2	621	0.793	
16	2	-19	0.90368	116.9352	1.76935e-03	0.0%	2	621	0.793
8	0	13	0.90357	116.9591	5.00731e-05	0.0%	2	233	0.793
11	5	-6	0.90323	117.0294	2.39621e-04	0.0%	2	182	0.794
5	6	0.90323	117.0294	3.27290e-04	0.0%	2	182	0.794	
2	4	11	0.90281	117.1158	1.47435e-03	0.0%	2	141	0.795
2	-4	11	0.90281	117.1158	1.28426e-03	0.0%	2	141	0.795
18	4	-9	0.90228	117.2258	1.14756e-03	0.0%	2	421	0.797
4	9	0.90228	117.2258	1.54546e-03	0.0%	2	421	0.797	
5	3	12	0.90228	117.2267	4.54888e-04	0.0%	2	178	0.797
5	-3	12	0.90228	117.2267	6.13016e-04	0.0%	2	178	0.797
2	19	0.90191	117.3041	1.11451e-03	0.0%	2	465	0.798	
10	2	-19	0.90191	117.3041	1.36714e-03	0.0%	2	465	0.798
1	5	7	0.90127	117.4382	3.76562e-04	0.0%	2	75	0.799
1	-5	7	0.90127	117.4382	3.65250e-04	0.0%	2	75	0.799
11	5	-3	0.90125	117.4407	2.97156e-04	0.0%	2	155	0.799
5	3	0.90125	117.4407	3.76834e-04	0.0%	2	155	0.799	
22	0	0	0.90069	117.5595	3.61159e-05	0.0%	2	484	0.801
17	3	2	0.90047	117.6052	6.65151e-06	0.0%	2	302	0.801
17	-3	2	0.90047	117.6052	6.59019e-05	0.0%	2	302	0.801
0	4	12	0.90032	117.6355	1.32713e-03	0.0%	2	160	0.802
0	4	-12	0.90032	117.6355	7.09748e-04	0.0%	2	160	0.802
18	4	-6	0.90029	117.6422	9.09955e-05	0.0%	2	376	0.802
4	6	0.90029	117.6422	1.80694e-04	0.0%	2	376	0.802	
25	1	-15	0.90009	117.6843	1.99570e-04	0.0%	2	851	0.802
1	15	0.90009	117.6843	2.73081e-04	0.0%	2	851	0.802	
4	4	10	0.89999	117.7056	5.78954e-04	0.0%	2	132	0.803
4	-4	10	0.89999	117.7056	7.35089e-04	0.0%	2	132	0.803
-1	3	15	0.89957	117.7940	2.66028e-04	0.0%	2	235	0.804
1	3	-15	0.89957	117.7940	4.84336e-05	0.0%	2	235	0.804
24	2	-7	0.89939	117.8330	2.19205e-04	0.0%	2	629	0.804
2	7	0.89939	117.8330	2.68735e-04	0.0%	2	629	0.804	
3	5	6	0.89918	117.8772	1.56131e-03	0.0%	2	70	0.805
3	-5	6	0.89918	117.8772	1.52901e-03	0.0%	2	70	0.805
-7	5	9	0.89875	117.9690	5.89111e-04	0.0%	2	155	0.806
7	5	-9	0.89875	117.9690	5.49498e-04	0.0%	2	155	0.806
7	5	3	0.89866	117.9870	3.97088e-04	0.0%	2	83	0.806

7	-5	3	0.89866	117.9870	3.62890e-04	0.0%	2	83	0.806
-2	2	17	0.89836	118.0501	1.11528e-04	0.0%	2	297	0.807
2	2	-17	0.89836	118.0501	6.98866e-05	0.0%	2	297	0.807
-1	5	8	0.89807	118.1121	1.47327e-03	0.0%	2	90	0.808
1	5	-8	0.89807	118.1121	1.21748e-03	0.0%	2	90	0.808
1	19	0.89792	118.1444	2.49239e-03	0.0%	2	803	0.808	
21	1	-19	0.89792	118.1444	2.73203e-03	0.0%	2	803	0.808
-5	5	9	0.89789	118.1517	1.80080e-03	0.0%	2	131	0.808
5	5	-9	0.89789	118.1517	1.84299e-03	0.0%	2	131	0.808
11	5	-7	0.89788	118.1537	8.94722e-04	0.0%	2	195	0.808
5	7	0.89788	118.1537	8.22057e-04	0.0%	2	195	0.808	
16	4	-1	0.89760	118.2131	5.27461e-05	0.0%	2	273	0.809
4	1	0.89760	118.2131	1.53656e-05	0.0%	2	273	0.809	
12	2	9	0.89759	118.2140	1.46274e-04	0.0%	2	229	0.809
12	-2	9	0.89759	118.2140	5.33384e-05	0.0%	2	229	0.809
21	1	1	0.89750	118.2341	8.28209e-04	0.0%	2	443	0.809
21	-1	1	0.89750	118.2341	8.28076e-04	0.0%	2	443	0.809
23	1	-2	0.89746	118.2430	6.67819e-05	0.0%	2	534	0.809
1	2	0.89746	118.2430	1.14065e-04	0.0%	2	534	0.809	
2	18	0.89746	118.2434	1.65858e-03	0.0%	2	728	0.809	
20	2	-18	0.89746	118.2434	1.56069e-03	0.0%	2	728	0.809
11	3	8	0.89708	118.3248	1.66618e-04	0.0%	2	194	0.810
11	-3	8	0.89708	118.3248	1.00437e-04	0.0%	2	194	0.810
22	0	-19	0.89705	118.3294	1.85744e-03	0.0%	2	845	0.811
-6	4	14	0.89698	118.3445	8.26173e-04	0.0%	2	248	0.811
6	4	-14	0.89698	118.3445	1.01537e-03	0.0%	2	248	0.811
18	4	-10	0.89695	118.3506	1.01067e-03	0.0%	2	440	0.811
4	10	0.89695	118.3506	1.24385e-03	0.0%	2	440	0.811	
12	4	4	0.89680	118.3828	4.40819e-04	0.0%	2	176	0.811
12	-4	4	0.89680	118.3828	4.75507e-04	0.0%	2	176	0.811
8	0	-20	0.89676	118.3912	2.67050e-04	0.0%	2	464	0.811
9	5	1	0.89639	118.4709	3.71217e-04	0.0%	2	107	0.812
9	-5	1	0.89639	118.4709	3.72324e-04	0.0%	2	107	0.812
18	0	5	0.89605	118.5445	2.46546e-04	0.0%	2	349	0.813
24	2	-14	0.89510	118.7495	2.73638e-04	0.0%	2	776	0.816
2	14	0.89510	118.7495	1.71656e-04	0.0%	2	776	0.816	
16	0	7	0.89493	118.7857	4.05934e-06	0.0%	2	305	0.817
11	5	-2	0.89465	118.8472	1.04234e-03	0.0%	2	150	0.817
5	2	0.89465	118.8472	1.31387e-03	0.0%	2	150	0.817	

24	0	-3	0.89442	118.8974	3.53941e-06	0.0%	2	585	0.818
25	1	-6	0.89414	118.9574	2.25111e-04	0.0%	2	662	0.819
1	6	0.89414	118.9574	2.16982e-04	0.0%	2	662	0.819	
18	4	-5	0.89370	119.0529	1.31058e-05	0.0%	2	365	0.820
4	5	0.89370	119.0529	1.11503e-05	0.0%	2	365	0.820	
20	0	-20	0.89349	119.0997	4.29972e-03	0.0%	2	800	0.821
21	3	-14	0.89338	119.1226	1.30102e-03	0.0%	2	646	0.821
3	14	0.89338	119.1226	1.84355e-03	0.0%	2	646	0.821	
-5	1	19	0.89329	119.1420	4.83392e-04	0.0%	2	387	0.821
5	1	-19	0.89329	119.1420	5.12061e-04	0.0%	2	387	0.821
21	3	-4	0.89318	119.1679	4.98841e-05	0.0%	2	466	0.822
3	4	0.89318	119.1679	9.51985e-05	0.0%	2	466	0.822	
20	2	1	0.89307	119.1902	8.55714e-05	0.0%	2	405	0.822
20	-2	1	0.89307	119.1902	1.39877e-04	0.0%	2	405	0.822
8	2	12	0.89293	119.2211	5.32777e-04	0.0%	2	212	0.822
8	-2	12	0.89293	119.2211	6.20416e-04	0.0%	2	212	0.822
22	2	-2	0.89289	119.2300	7.57804e-05	0.0%	2	492	0.823
2	2	0.89289	119.2300	1.04338e-04	0.0%	2	492	0.823	
-7	3	17	0.89289	119.2306	1.41619e-03	0.0%	2	347	0.823
7	3	-17	0.89289	119.2306	2.04097e-03	0.0%	2	347	0.823
4	13	0.89273	119.2651	5.06150e-04	0.0%	2	441	0.823	
16	4	-13	0.89273	119.2651	6.97528e-04	0.0%	2	441	0.823
7	3	11	0.89270	119.2729	2.73582e-04	0.0%	2	179	0.823
7	-3	11	0.89270	119.2729	4.19424e-04	0.0%	2	179	0.823
-2	4	13	0.89266	119.2809	8.15024e-04	0.0%	2	189	0.823
2	4	-13	0.89266	119.2809	7.36188e-04	0.0%	2	189	0.823
4	14	0.89254	119.3079	4.72746e-04	0.0%	2	408	0.824	
14	4	-14	0.89254	119.3079	3.94213e-04	0.0%	2	408	0.824
10	4	6	0.89233	119.3542	4.53916e-04	0.0%	2	152	0.824
10	-4	6	0.89233	119.3542	5.85309e-04	0.0%	2	152	0.824
14	4	2	0.89232	119.3562	3.75513e-05	0.0%	2	216	0.824
14	-4	2	0.89232	119.3562	3.53631e-05	0.0%	2	216	0.824
-9	5	9	0.89228	119.3641	1.46827e-04	0.0%	2	187	0.824
9	5	-9	0.89228	119.3641	1.71435e-04	0.0%	2	187	0.824
-9	1	20	0.89217	119.3883	1.39069e-03	0.0%	2	482	0.825
9	1	-20	0.89217	119.3883	1.34738e-03	0.0%	2	482	0.825
6	4	9	0.89201	119.4233	7.55724e-04	0.0%	2	133	0.825
6	-4	9	0.89201	119.4233	7.16972e-04	0.0%	2	133	0.825
5	5	5	0.89192	119.4429	1.76822e-04	0.0%	2	75	0.825
5	-5	5	0.89192	119.4429	2.74794e-04	0.0%	2	75	0.825

4	0	-19	0.89187	119.4544	2.52193e-03	0.0%	2	377	0.826
23	1	-18	0.89110	119.6242	6.49288e-04	0.0%	2	854	0.828
1	18	0.89110	119.6242	5.32237e-04	0.0%	2	854	0.828	
3	16	0.89065	119.7244	1.80778e-04	0.0%	2	626	0.829	
19	3	-16	0.89065	119.7244	1.89242e-04	0.0%	2	626	0.829
22	2	-17	0.89009	119.8472	1.48848e-03	0.0%	2	777	0.831
2	17	0.89009	119.8472	1.68553e-03	0.0%	2	777	0.831	
-3	5	9	0.88976	119.9205	1.14873e-03	0.0%	2	115	0.832
3	5	-9	0.88976	119.9205	1.01887e-03	0.0%	2	115	0.832
11	5	-8	0.88971	119.9331	7.53987e-04	0.0%	2	210	0.832
5	8	0.88971	119.9331	7.44244e-04	0.0%	2	210	0.832	
2	19	0.88958	119.9620	2.23226e-03	0.0%	2	689	0.833	
18	2	-19	0.88958	119.9620	1.95134e-03	0.0%	2	689	0.833
1	20	0.88948	119.9841	9.07974e-04	0.0%	2	762	0.833	
19	1	-20	0.88948	119.9841	1.00819e-03	0.0%	2	762	0.833
18	4	-11	0.88882	120.1319	1.53420e-04	0.0%	2	461	0.835
4	11	0.88882	120.1319	1.38462e-04	0.0%	2	461	0.835	
3	17	0.88880	120.1356	2.65580e-03	0.0%	2	587	0.835	
17	3	-17	0.88880	120.1356	2.48788e-03	0.0%	2	587	0.835
-3	3	16	0.88834	120.2388	1.20396e-03	0.0%	2	274	0.837
3	3	-16	0.88834	120.2388	7.63623e-04	0.0%	2	274	0.837
20	0	3	0.88826	120.2567	4.61062e-06	0.0%	2	409	0.837
24	2	-6	0.88825	120.2596	1.22754e-04	0.0%	2	616	0.837
2	6	0.88825	120.2596	1.90703e-04	0.0%	2	616	0.837	
10	0	12	0.88730	120.4730	2.14534e-05	0.0%	2	244	0.840
-8	2	19	0.88676	120.5956	1.54091e-03	0.0%	2	429	0.842
8	2	-19	0.88676	120.5956	2.24018e-03	0.0%	2	429	0.842
11	1	11	0.88642	120.6723	1.30449e-04	0.0%	2	243	0.843
11	-1	11	0.88642	120.6723	1.64000e-04	0.0%	2	243	0.843
25	1	-16	0.88610	120.7452	1.04251e-03	0.0%	2	882	0.844
1	16	0.88610	120.7452	8.55706e-04	0.0%	2	882	0.844	
24	0	-18	0.88545	120.8924	2.15760e-05	0.0%	2	900	0.846
11	5	-1	0.88532	120.9226	8.92950e-05	0.0%	2	147	0.847
5	1	0.88532	120.9226	1.30713e-04	0.0%	2	147	0.847	
14	0	9	0.88501	120.9945	8.11207e-04	0.0%	2	277	0.848
18	4	-4	0.88440	121.1342	1.18432e-03	0.0%	2	356	0.850
4	4	0.88	121.1342	1.44116e-03	0.0%	2	356	0.850	

		440							
-4	2	18	0.88405	121.2138	5.91874e-04	0.0%	2	344	0.851
4	2	-18	0.88405	121.2138	4.73578e-04	0.0%	2	344	0.851
19	3	0	0.88379	121.2741	2.21843e-04	0.0%	4	370	0.852
24	2	-15	0.88295	121.4685	1.28089e-03	0.0%	2	805	0.855
2	15	0.88295	121.4685	1.24225e-03	0.0%	2	805	0.855	
17	1	6	0.88251	121.5705	3.48885e-04	0.0%	2	326	0.857
17	-1	6	0.88251	121.5705	3.50082e-04	0.0%	2	326	0.857
3	1	16	0.88214	121.6569	6.69081e-05	0.0%	2	266	0.858
3	-1	16	0.88214	121.6569	8.06508e-05	0.0%	2	266	0.858
9	5	2	0.88093	121.9394	5.51559e-04	0.0%	2	110	0.862
9	-5	2	0.88093	121.9394	7.48674e-04	0.0%	2	110	0.862
-4	4	14	0.88020	122.1090	5.95197e-04	0.0%	2	228	0.865
4	4	-14	0.88020	122.1090	1.02313e-03	0.0%	2	228	0.865
1	1	17	0.88009	122.1354	4.93194e-04	0.0%	2	291	0.866
1	-1	17	0.88009	122.1354	4.14043e-04	0.0%	2	291	0.866
-7	5	10	0.87995	122.1681	1.56737e-03	0.0%	2	174	0.866
7	5	-10	0.87995	122.1681	1.74001e-03	0.0%	2	174	0.866
7	5	4	0.87986	122.1899	1.88976e-03	0.0%	2	90	0.866
7	-5	4	0.87986	122.1899	2.70340e-03	0.0%	2	90	0.866
4	15	0.87966	122.2377	2.25158e-04	0.0%	2	341	0.867	
10	4	-15	0.87966	122.2377	2.14739e-04	0.0%	2	341	0.867
19	1	4	0.87929	122.3247	2.07815e-04	0.0%	2	378	0.869
19	-1	4	0.87929	122.3247	1.34749e-04	0.0%	2	378	0.869
8	4	8	0.87927	122.3291	1.24745e-04	0.0%	2	144	0.869
8	-4	8	0.87927	122.3291	2.02444e-05	0.0%	2	144	0.869
16	4	0	0.87925	122.3333	4.76656e-04	0.0%	4	272	0.869
5	1	15	0.87923	122.3395	3.01568e-05	0.0%	2	251	0.869
5	-1	15	0.87923	122.3395	2.54311e-05	0.0%	2	251	0.869
25	1	-5	0.87917	122.3526	5.92984e-05	0.0%	2	651	0.869
1	5	0.87917	122.3526	4.25122e-05	0.0%	2	651	0.869	
5	9	0.87895	122.4047	7.37314e-04	0.0%	2	227	0.870	
11	5	-9	0.87895	122.4047	8.76272e-04	0.0%	2	227	0.870
9	3	10	0.87846	122.5218	9.13025e-05	0.0%	2	190	0.872
9	-3	10	0.87846	122.5218	2.42743e-04	0.0%	2	190	0.872
1	5	8	0.87830	122.5591	1.01682e-03	0.0%	2	90	0.872
1	-5	8	0.87830	122.5591	9.76753e-04	0.0%	2	90	0.872
18	4	-12	0.87810	122.6072	1.46488e-03	0.0%	2	484	0.873
4	12	0.87810	122.6072	1.60294e-03	0.0%	2	484	0.873	
21	3	-15	0.87770	122.7030	3.77567e-04	0.0%	2	675	0.875
3	15	0.87770	122.7030	5.88016e-04	0.0%	2	675	0.875	

3	18	0.87767	122.7107	1.41153e-03	0.0%	2	502	0.875	
13	3	-18	0.87767	122.7107	1.21506e-03	0.0%	2	502	0.875
4	15	0.87754	122.7403	6.91320e-04	0.0%	2	385	0.875	
12	4	-15	0.87754	122.7403	5.94514e-04	0.0%	2	385	0.875
21	3	-3	0.87746	122.7594	6.92147e-04	0.0%	2	459	0.876
3	3	0.87746	122.7594	5.20690e-04	0.0%	2	459	0.876	
16	2	6	0.87737	122.7811	6.02392e-04	0.0%	2	296	0.876
16	-2	6	0.87737	122.7811	5.76101e-04	0.0%	2	296	0.876
15	1	8	0.87718	122.8270	3.41927e-06	0.0%	2	290	0.877
15	-1	8	0.87718	122.8270	3.81322e-06	0.0%	2	290	0.877
10	2	11	0.87683	122.9118	1.38875e-04	0.0%	2	225	0.878
10	-2	11	0.87683	122.9118	4.13481e-05	0.0%	2	225	0.878
3	5	7	0.87677	122.9268	2.26039e-04	0.0%	2	83	0.878
3	-5	7	0.87677	122.9268	3.23785e-04	0.0%	2	83	0.878
-5	5	10	0.87676	122.9283	1.14439e-03	0.0%	2	150	0.878
5	5	-10	0.87676	122.9283	1.33538e-03	0.0%	2	150	0.878
15	3	5	0.87663	122.9597	8.31397e-05	0.0%	2	259	0.879
15	-3	5	0.87663	122.9597	3.82243e-05	0.0%	2	259	0.879
-9	5	10	0.87625	123.0517	9.90065e-04	0.0%	2	206	0.880
9	5	-10	0.87625	123.0517	9.86219e-04	0.0%	2	206	0.880
3	18	0.87607	123.0947	5.22182e-04	0.0%	2	454	0.881	
11	3	-18	0.87607	123.0947	2.90090e-04	0.0%	2	454	0.881
18	2	4	0.87526	123.2905	1.25177e-03	0.0%	2	344	0.884
18	-2	4	0.87526	123.2905	1.29679e-03	0.0%	2	344	0.884
13	5	-6	0.87515	123.3175	8.66914e-04	0.0%	2	230	0.885
5	6	0.87515	123.3175	7.80312e-04	0.0%	2	230	0.885	
-1	5	9	0.87496	123.3645	6.61411e-05	0.0%	2	107	0.886
1	5	-9	0.87496	123.3645	7.06958e-05	0.0%	2	107	0.886
13	5	-5	0.87494	123.3682	2.60264e-03	0.0%	2	219	0.886
5	5	0.87494	123.3682	3.10488e-03	0.0%	2	219	0.886	
-8	4	15	0.87489	123.3814	4.13782e-04	0.0%	2	305	0.886
8	4	-15	0.87489	123.3814	4.92519e-04	0.0%	2	305	0.886
24	2	-5	0.87475	123.4151	8.14118e-04	0.0%	2	605	0.887
2	5	0.87475	123.4151	7.91381e-04	0.0%	2	605	0.887	
23	3	-10	0.87436	123.5095	3.29470e-04	0.0%	2	638	0.888
3	10	0.87436	123.5095	2.09137e-04	0.0%	2	638	0.888	
4	14	0.87392	123.6161	7.18834e-04	0.0%	2	468	0.890	
16	4	-14	0.87392	123.6161	4.61823e-04	0.0%	2	468	0.890
23	1	-1	0.87358	123.7000	3.25812e-04	0.0%	2	531	0.891

1	1	0.87358	123.7000	2.76523e-04	0.0%	2	531	0.891	
11	5	0	0.87353	123.7137	2.67449e-03	0.0%	4	146	0.892
23	3	-9	0.87336	123.7545	5.86857e-04	0.0%	2	619	0.892
3	9	0.87336	123.7545	4.42688e-04	0.0%	2	619	0.892	
-1	1	18	0.87320	123.7937	1.84567e-04	0.0%	2	326	0.893
1	1	-18	0.87320	123.7937	2.80040e-04	0.0%	2	326	0.893
-5	3	17	0.87267	123.9252	9.19126e-04	0.0%	2	323	0.895
5	3	-17	0.87267	123.9252	1.23346e-03	0.0%	2	323	0.895
18	4	-3	0.87263	123.9335	3.17049e-04	0.0%	2	349	0.895
4	3	0.87263	123.9335	2.14552e-04	0.0%	2	349	0.895	
23	3	-11	0.87262	123.9364	7.17183e-04	0.0%	2	659	0.896
3	11	0.87262	123.9364	6.78112e-04	0.0%	2	659	0.896	
13	5	-7	0.87261	123.9381	6.26674e-04	0.0%	2	243	0.896
5	7	0.87261	123.9381	9.19201e-04	0.0%	2	243	0.896	
6	0	-20	0.87261	123.9383	9.27577e-04	0.0%	2	436	0.896
13	3	7	0.87245	123.9793	7.35299e-04	0.0%	2	227	0.896
13	-3	7	0.87245	123.9793	2.60303e-04	0.0%	2	227	0.896
17	3	3	0.87244	123.9819	3.05543e-05	0.0%	2	307	0.896
17	-3	3	0.87244	123.9819	2.62517e-05	0.0%	2	307	0.896
3	18	0.87243	123.9830	2.22844e-03	0.0%	2	558	0.896	
15	3	-18	0.87243	123.9830	2.32916e-03	0.0%	2	558	0.896
24	0	-2	0.87233	124.0075	1.14727e-04	0.0%	2	580	0.897
22	0	1	0.87224	124.0305	4.87469e-05	0.0%	2	485	0.897
13	5	-4	0.87199	124.0915	1.41340e-04	0.0%	2	210	0.898
5	4	0.87199	124.0915	1.85173e-04	0.0%	2	210	0.898	
-7	1	20	0.87173	124.1560	6.36192e-04	0.0%	2	450	0.899
7	1	-20	0.87173	124.1560	5.89793e-04	0.0%	2	450	0.899
7	1	14	0.87151	124.2102	3.17010e-04	0.0%	2	246	0.900
7	-1	14	0.87151	124.2102	3.83401e-04	0.0%	2	246	0.900
2	20	0.87146	124.2231	1.29694e-03	0.0%	2	600	0.901	
14	2	-20	0.87146	124.2231	1.28897e-03	0.0%	2	600	0.901
14	2	8	0.87110	124.3124	2.36594e-04	0.0%	2	264	0.902
14	-2	8	0.87110	124.3124	2.73087e-04	0.0%	2	264	0.902
2	0	17	0.87086	124.3724	9.18836e-04	0.0%	2	293	0.903
4	0	16	0.87064	124.4288	4.05828e-05	0.0%	2	272	0.904
22	2	-1	0.87053	124.4553	4.15428e-07	0.0%	2	489	0.905
2	1	0.87053	124.4553	2.56493e-05	0.0%	2	489	0.905	
5	5	6	0.87042	124.4828	7.64031e-04	0.0%	2	86	0.905
5	-5	6	0.87042	124.4828	1.10362e-03	0.0%	2	86	0.905

25	1	-17	0.87002	124.5831	1.33011e-04	0.0%	2	915	0.907
1	17	0.87002	124.5831	2.24506e-04	0.0%	2	915	0.907	
23	3	-8	0.86964	124.6774	1.88783e-04	0.0%	2	602	0.909
3	8	0.86964	124.6774	6.78990e-05	0.0%	2	602	0.909	
12	4	5	0.86949	124.7156	8.10872e-05	0.0%	2	185	0.909
12	-4	5	0.86949	124.7156	2.52467e-05	0.0%	2	185	0.909
2	19	0.86934	124.7533	7.70339e-04	0.0%	2	765	0.910	
20	2	-19	0.86934	124.7533	7.90528e-04	0.0%	2	765	0.910
4	15	0.86869	124.9183	1.66496e-03	0.0%	2	437	0.913	
14	4	-15	0.86869	124.9183	1.38774e-03	0.0%	2	437	0.913
2	20	0.86861	124.9386	1.02798e-03	0.0%	2	548	0.913	
12	2	-20	0.86861	124.9386	7.46212e-04	0.0%	2	548	0.913
22	0	-20	0.86859	124.9425	4.09358e-03	0.0%	2	884	0.913
24	2	-16	0.86857	124.9483	3.35742e-04	0.0%	2	836	0.914
2	16	0.86857	124.9483	4.90341e-04	0.0%	2	836	0.914	
14	4	3	0.86846	124.9761	4.19231e-04	0.0%	2	221	0.914
14	-4	3	0.86846	124.9761	4.01077e-04	0.0%	2	221	0.914
1	20	0.86822	125.0363	2.98765e-04	0.0%	2	842	0.915	
21	1	-20	0.86822	125.0363	3.63881e-04	0.0%	2	842	0.915
23	3	-12	0.86819	125.0457	6.56267e-05	0.0%	2	682	0.915
3	12	0.86819	125.0457	3.61840e-05	0.0%	2	682	0.915	
21	1	2	0.86780	125.1426	4.35194e-04	0.0%	2	446	0.917
21	-1	2	0.86780	125.1426	4.19290e-04	0.0%	2	446	0.917
-9	3	18	0.86775	125.1576	6.10482e-04	0.0%	2	414	0.917
9	3	-18	0.86775	125.1576	5.97002e-04	0.0%	2	414	0.917
2	20	0.86761	125.1915	1.67633e-03	0.0%	2	660	0.918	
16	2	-20	0.86761	125.1915	1.84008e-03	0.0%	2	660	0.918
2	18	0.86759	125.1967	2.57787e-04	0.0%	2	812	0.918	
22	2	-18	0.86759	125.1967	2.97934e-04	0.0%	2	812	0.918
2	4	12	0.86759	125.1970	3.02457e-04	0.0%	2	164	0.918
2	-4	12	0.86759	125.1970	1.93050e-04	0.0%	2	164	0.918
13	5	-8	0.86740	125.2451	1.28497e-03	0.0%	2	258	0.919
5	8	0.86740	125.2451	1.35127e-03	0.0%	2	258	0.919	
3	17	0.86733	125.2624	1.49492e-03	0.0%	2	659	0.919	
19	3	-17	0.86733	125.2624	1.58267e-03	0.0%	2	659	0.919
12	0	11	0.86712	125.3172	1.15620e-05	0.0%	2	265	0.920

1	19	0.86699	125.3506	3.65307e-04	0.0%	2	891	0.921	
23	1	-19	0.86699	125.3506	3.77856e-04	0.0%	2	891	0.921
-3	5	10	0.86689	125.3768	1.17554e-03	0.0%	2	134	0.921
3	5	-10	0.86689	125.3768	1.03744e-03	0.0%	2	134	0.921
13	5	-3	0.86639	125.5050	6.87204e-04	0.0%	2	203	0.924
5	3	0.86639	125.5050	7.31362e-04	0.0%	2	203	0.924	
0	0	18	0.86634	125.5174	1.10102e-03	0.0%	2	324	0.924
5	10	0.86590	125.6311	9.41856e-04	0.0%	2	246	0.926	
11	5	-10	0.86590	125.6311	9.12846e-04	0.0%	2	246	0.926
6	0	15	0.86567	125.6892	1.29268e-05	0.0%	2	261	0.927
-6	2	19	0.86566	125.6911	1.07162e-03	0.0%	2	401	0.927
6	2	-19	0.86566	125.6911	1.33407e-03	0.0%	2	401	0.927
4	4	11	0.86547	125.7422	1.03073e-03	0.0%	2	153	0.928
4	-4	11	0.86547	125.7422	1.33651e-03	0.0%	2	153	0.928
2	2	16	0.86510	125.8366	6.09079e-04	0.0%	2	264	0.930
2	-2	16	0.86510	125.8366	7.60400e-04	0.0%	2	264	0.930
18	4	-13	0.86509	125.8398	1.00268e-03	0.0%	2	509	0.930
4	13	0.86509	125.8398	9.70427e-04	0.0%	2	509	0.930	
0	4	13	0.86500	125.8617	5.71709e-04	0.0%	2	185	0.931
0	4	-13	0.86500	125.8617	6.36481e-04	0.0%	2	185	0.931
20	2	2	0.86494	125.8781	9.54654e-04	0.0%	2	408	0.931
20	-2	2	0.86494	125.8781	1.04725e-03	0.0%	2	408	0.931
3	3	14	0.86454	125.9833	2.23426e-04	0.0%	2	214	0.933
3	-3	14	0.86454	125.9833	5.83772e-04	0.0%	2	214	0.933
4	2	15	0.86450	125.9923	4.96845e-04	0.0%	2	245	0.933
4	-2	15	0.86450	125.9923	5.69945e-04	0.0%	2	245	0.933
13	1	10	0.86376	126.1845	4.63792e-05	0.0%	2	270	0.937
13	-1	10	0.86376	126.1845	7.55782e-05	0.0%	2	270	0.937
9	5	3	0.86357	126.2344	1.87898e-04	0.0%	2	115	0.938
9	-5	3	0.86357	126.2344	2.66255e-04	0.0%	2	115	0.938
-6	4	15	0.86355	126.2396	7.12541e-04	0.0%	2	277	0.938
6	4	-15	0.86355	126.2396	5.47268e-04	0.0%	2	277	0.938
1	3	15	0.86336	126.2894	1.22306e-04	0.0%	2	235	0.939
1	-3	15	0.86336	126.2894	8.00490e-05	0.0%	2	235	0.939
23	3	-7	0.86332	126.3015	1.24224e-04	0.0%	2	587	0.939
3	7	0.86332	126.3015	8.28188e-05	0.0%	2	587	0.939	
24	0	-19	0.86292	126.4066	1.02806e-03	0.0%	2	937	0.941
10	4	7	0.86238	126.5481	2.40536e-04	0.0%	2	165	0.944
10	-4	7	0.86238	126.5481	5.05889e-04	0.0%	2	165	0.944
25	1	-4	0.86228	126.5736	1.82879e-05	0.0%	2	642	0.944
1	4	0.86228	126.5736	2.13955e-05	0.0%	2	642	0.944	

-3	1	19	0.86179	126.7039	5.13424e-04	0.0%	2	371	0.947
3	1	-19	0.86179	126.7039	6.67414e-04	0.0%	2	371	0.947
23	3	-13	0.86118	126.8660	5.71580e-04	0.0%	2	707	0.950
3	13	0.86118	126.8660	4.25553e-04	0.0%	2	707	0.950	
5	3	13	0.86105	126.9005	3.16589e-04	0.0%	2	203	0.951
5	-3	13	0.86105	126.9005	5.63190e-04	0.0%	2	203	0.951
0	2	17	0.86104	126.9034	2.30306e-04	0.0%	2	293	0.951
0	2	-17	0.86104	126.9034	2.38370e-04	0.0%	2	293	0.951
3	18	0.86072	126.9899	8.70461e-04	0.0%	2	622	0.953	
17	3	-18	0.86072	126.9899	8.52799e-04	0.0%	2	622	0.953
11	3	9	0.86024	127.1184	8.28105e-05	0.0%	2	211	0.955
11	-3	9	0.86024	127.1184	8.41971e-05	0.0%	2	211	0.955
19	3	1	0.86021	127.1239	3.00151e-04	0.0%	2	371	0.955
19	-3	1	0.86021	127.1239	2.48510e-04	0.0%	2	371	0.955
21	3	-16	0.86019	127.1317	9.78641e-04	0.0%	2	706	0.956
3	16	0.86019	127.1317	9.82604e-04	0.0%	2	706	0.956	
21	3	-2	0.85993	127.2012	7.86717e-05	0.0%	2	454	0.957
3	2	0.85993	127.2012	1.26376e-04	0.0%	2	454	0.957	
-7	5	11	0.85967	127.2701	8.29507e-04	0.0%	2	195	0.958
7	5	-11	0.85967	127.2701	1.06872e-03	0.0%	2	195	0.958
13	5	-9	0.85966	127.2729	3.42380e-04	0.0%	2	275	0.958
5	9	0.85966	127.2729	3.37848e-04	0.0%	2	275	0.958	
7	5	5	0.85957	127.2966	3.79042e-04	0.0%	2	99	0.959
7	-5	5	0.85957	127.2966	2.60534e-04	0.0%	2	99	0.959
11	5	1	0.85956	127.2983	2.72501e-04	0.0%	2	147	0.959
11	-5	1	0.85956	127.2983	1.64032e-04	0.0%	2	147	0.959
16	4	1	0.85937	127.3508	4.73509e-04	0.0%	2	273	0.960
16	-4	1	0.85937	127.3508	3.42892e-04	0.0%	2	273	0.960
9	1	13	0.85936	127.3525	2.37434e-04	0.0%	2	251	0.960
9	-1	13	0.85936	127.3525	2.58554e-04	0.0%	2	251	0.960
18	0	6	0.85933	127.3627	1.43481e-04	0.0%	2	360	0.960
6	2	14	0.85927	127.3779	2.71618e-04	0.0%	2	236	0.961
6	-2	14	0.85927	127.3779	2.88249e-04	0.0%	2	236	0.961
2	20	0.85925	127.3841	9.65964e-04	0.0%	2	504	0.961	
10	2	-20	0.85925	127.3841	1.00633e-03	0.0%	2	504	0.961
24	2	-4	0.85922	127.3904	1.29059e-04	0.0%	2	596	0.961
2	4	0.85922	127.3904	9.38255e-05	0.0%	2	596	0.961	
6	4	10	0.85873	127.5232	1.26420e-04	0.0%	2	152	0.964
6	-4	10	0.85873	127.5232	2.45458e-04	0.0%	2	152	0.964
18	4	-2	0.85871	127.5299	2.65423e-04	0.0%	2	344	0.964

4	2	0.85871	127.5299	3.42942e-04	0.0%	2	344	0.964	
-9	5	11	0.85844	127.6035	2.07059e-03	0.0%	2	227	0.965
9	5	-11	0.85844	127.6035	2.07169e-03	0.0%	2	227	0.965
13	5	-2	0.85828	127.6467	3.10932e-04	0.0%	2	198	0.966
5	2	0.85828	127.6467	2.47060e-04	0.0%	2	198	0.966	
20	4	-9	0.85800	127.7220	1.29239e-04	0.0%	2	497	0.968
4	9	0.85800	127.7220	1.90509e-04	0.0%	2	497	0.968	
-2	4	14	0.85783	127.7680	3.25109e-04	0.0%	2	216	0.969
2	4	-14	0.85783	127.7680	6.21739e-04	0.0%	2	216	0.969
20	4	-8	0.85780	127.7773	4.15471e-04	0.0%	2	480	0.969
4	8	0.85780	127.7773	2.87101e-04	0.0%	2	480	0.969	
-1	3	16	0.85759	127.8337	1.19606e-03	0.0%	2	266	0.970
1	3	-16	0.85759	127.8337	5.85703e-04	0.0%	2	266	0.970
2	20	0.85732	127.9071	1.99923e-03	0.0%	2	728	0.972	
18	2	-20	0.85732	127.9071	2.09781e-03	0.0%	2	728	0.972
2	0	-19	0.85728	127.9172	7.15909e-04	0.0%	2	365	0.972
12	2	10	0.85697	128.0032	5.38254e-04	0.0%	2	248	0.974
12	-2	10	0.85697	128.0032	3.51410e-04	0.0%	2	248	0.974
8	0	14	0.85621	128.2129	2.10302e-04	0.0%	2	260	0.978
20	4	-10	0.85562	128.3765	8.94505e-04	0.0%	2	516	0.982
4	10	0.85562	128.3765	1.11761e-03	0.0%	2	516	0.982	
16	0	8	0.85539	128.4403	3.09828e-06	0.0%	2	320	0.983
20	0	4	0.85537	128.4436	5.94878e-07	0.0%	2	416	0.983
20	4	-7	0.85501	128.5440	2.36885e-04	0.0%	2	465	0.985
4	7	0.85501	128.5440	2.18559e-04	0.0%	2	465	0.985	
23	3	-6	0.85455	128.6728	2.48386e-04	0.0%	2	574	0.988
3	6	0.85455	128.6728	2.64480e-04	0.0%	2	574	0.988	
-5	5	11	0.85448	128.6917	4.07141e-04	0.0%	2	171	0.988
5	5	-11	0.85448	128.6917	5.17269e-04	0.0%	2	171	0.988
1	5	9	0.85444	128.7047	2.65578e-04	0.0%	2	107	0.989
1	-5	9	0.85444	128.7047	2.38481e-04	0.0%	2	107	0.989
4	15	0.85369	128.9144	2.16762e-03	0.0%	2	497	0.993	
16	4	-15	0.85369	128.9144	1.92592e-03	0.0%	2	497	0.993
3	5	8	0.85338	128.9997	4.49891e-04	0.0%	2	98	0.995
3	-5	8	0.85338	128.9997	6.86056e-04	0.0%	2	98	0.995
-7	3	18	0.85325	129.0359	1.07706e-03	0.0%	2	382	0.996
7	3	-18	0.85325	129.0359	1.67544e-03	0.0%	2	382	0.996
7	3	12	0.85307	129.0869	2.04313e-04	0.0%	2	202	0.997
7	-3	12	0.85307	129.0869	1.53653e-04	0.0%	2	202	0.997

-2	2	18	0.85251	129.2461	1.04243e-03	0.0%	2	332	1.001
2	2	-18	0.85251	129.2461	7.83613e-04	0.0%	2	332	1.001
24	2	-17	0.85231	129.3016	1.89517e-03	0.0%	2	869	1.002
2	17	0.85231	129.3016	2.43199e-03	0.0%	2	869	1.002	
25	1	-18	0.85223	129.3266	1.69857e-03	0.0%	2	950	1.002
1	18	0.85223	129.3266	1.45872e-03	0.0%	2	950	1.002	
23	3	-14	0.85179	129.4512	5.83421e-04	0.0%	2	734	1.005
3	14	0.85179	129.4512	1.23955e-03	0.0%	2	734	1.005	
-1	5	10	0.85099	129.6792	1.95283e-03	0.0%	2	126	1.010
1	5	-10	0.85099	129.6792	1.68200e-03	0.0%	2	126	1.010
5	11	0.85086	129.7166	9.34625e-04	0.0%	2	267	1.011	
11	5	-11	0.85086	129.7166	8.27956e-04	0.0%	2	267	1.011
20	4	-11	0.85071	129.7607	2.57958e-04	0.0%	2	537	1.012
4	11	0.85071	129.7607	4.90286e-04	0.0%	2	537	1.012	
4	16	0.85012	129.9312	1.49778e-03	0.0%	2	416	1.016	
12	4	-16	0.85012	129.9312	1.50993e-03	0.0%	2	416	1.016
18	4	-14	0.85010	129.9355	1.73506e-04	0.0%	2	536	1.016
4	14	0.85010	129.9355	1.28426e-04	0.0%	2	536	1.016	
4	16	0.84986	130.0039	2.24013e-03	0.0%	2	372	1.018	
10	4	-16	0.84986	130.0039	1.81802e-03	0.0%	2	372	1.018
20	4	-6	0.84972	130.0455	1.88207e-04	0.0%	2	452	1.019
4	6	0.84972	130.0455	7.91176e-05	0.0%	2	452	1.019	
8	2	13	0.84965	130.0648	1.52142e-05	0.0%	2	237	1.019
8	-2	13	0.84965	130.0648	2.61496e-05	0.0%	2	237	1.019
13	5	-10	0.84959	130.0839	9.21421e-04	0.0%	2	294	1.020
5	10	0.84959	130.0839	1.03893e-03	0.0%	2	294	1.020	
24	0	-1	0.84927	130.1747	6.39590e-06	0.0%	2	577	1.022
23	1	0	0.84899	130.2584	1.07527e-05	0.0%	4	530	1.024
5	5	7	0.84788	130.5808	6.67010e-04	0.0%	2	99	1.031
5	-5	7	0.84788	130.5808	7.24123e-04	0.0%	2	99	1.031
13	5	-1	0.84787	130.5843	1.15304e-03	0.0%	2	195	1.031
5	1	0.84787	130.5843	7.25299e-04	0.0%	2	195	1.031	
8	4	9	0.84770	130.6335	5.70622e-04	0.0%	2	161	1.033
8	-4	9	0.84770	130.6335	5.60536e-04	0.0%	2	161	1.033
-3	3	17	0.84749	130.6980	2.46136e-04	0.0%	2	307	1.034
3	3	-17	0.84749	130.6980	8.48081e-05	0.0%	2	307	1.034
22	2	0	0.84726	130.7659	3.19306e-04	0.0%	4	488	1.036

-4	4	15	0.84640	131.0178	3.41489e-04	0.0%	2	257	1.042
4	4	-15	0.84640	131.0178	7.21235e-04	0.0%	2	257	1.042
-5	1	20	0.84639	131.0218	1.05748e-03	0.0%	2	426	1.042
5	1	-20	0.84639	131.0218	1.07005e-03	0.0%	2	426	1.042
17	1	7	0.84593	131.1580	1.86388e-04	0.0%	2	339	1.045
17	-1	7	0.84593	131.1580	1.88953e-04	0.0%	2	339	1.045
19	1	5	0.84593	131.1597	1.26666e-04	0.0%	2	387	1.045
19	-1	5	0.84593	131.1597	1.48373e-04	0.0%	2	387	1.045
15	3	6	0.84533	131.3387	5.01789e-04	0.0%	2	270	1.050
15	-3	6	0.84533	131.3387	4.27843e-04	0.0%	2	270	1.050
9	5	4	0.84472	131.5228	9.91730e-04	0.0%	2	122	1.054
9	-5	4	0.84472	131.5228	8.68116e-04	0.0%	2	122	1.054
17	3	4	0.84438	131.6244	2.63882e-04	0.0%	2	314	1.057
17	-3	4	0.84438	131.6244	3.02442e-04	0.0%	2	314	1.057
2	19	0.84423	131.6700	9.73112e-04	0.0%	2	849	1.058	
22	2	-19	0.84423	131.6700	1.06465e-03	0.0%	2	849	1.058
4	16	0.84417	131.6878	1.69605e-03	0.0%	2	468	1.058	
14	4	-16	0.84417	131.6878	1.64159e-03	0.0%	2	468	1.058
4	0	-20	0.84412	131.7043	7.29299e-04	0.0%	2	416	1.059
-8	2	20	0.84399	131.7429	9.73124e-04	0.0%	2	468	1.060
8	2	-20	0.84399	131.7429	1.41965e-03	0.0%	2	468	1.060
14	4	4	0.84394	131.7584	4.07496e-04	0.0%	2	228	1.060
14	-4	4	0.84394	131.7584	1.32997e-04	0.0%	2	228	1.060
14	0	10	0.84387	131.7794	6.38825e-05	0.0%	2	296	1.061
25	1	-3	0.84385	131.7853	1.39669e-04	0.0%	2	635	1.061
1	3	0.84385	131.7853	1.33401e-04	0.0%	2	635	1.061	
22	0	2	0.84384	131.7866	8.88417e-05	0.0%	2	488	1.061
3	19	0.84380	131.7994	1.17179e-03	0.0%	2	539	1.061	
13	3	-19	0.84380	131.7994	1.02203e-03	0.0%	2	539	1.061
11	5	2	0.84377	131.8087	2.51025e-04	0.0%	2	150	1.061
11	-5	2	0.84377	131.8087	5.24842e-04	0.0%	2	150	1.061
23	3	-5	0.84356	131.8720	3.01373e-04	0.0%	2	563	1.063
3	5	0.84356	131.8720	3.64273e-04	0.0%	2	563	1.063	
-8	4	16	0.84343	131.9119	1.06893e-03	0.0%	2	336	1.064
8	4	-16	0.84343	131.9119	8.49064e-04	0.0%	2	336	1.064
20	4	-12	0.84341	131.9203	1.45333e-03	0.0%	2	560	1.064
4	12	0.84341	131.9203	1.98738e-03	0.0%	2	560	1.064	
18	2	5	0.84339	131.9238	6.86018e-04	0.0%	2	353	1.064
18	-2	5	0.84339	131.9238	5.76592e-04	0.0%	2	353	1.064
15	5	-6	0.84336	131.9348	8.91387e-04	0.0%	2	286	1.065
5	6	0.84	131.9348	8.36194e-04	0.0%	2	286	1.065	

		336							
11	1	12	0.84333	131.9435	2.27346e-04	0.0%	2	266	1.065
11	-1	12	0.84333	131.9435	2.11049e-04	0.0%	2	266	1.065
3	18	0.84328	131.9572	6.91877e-05	0.0%	2	694	1.065	
19	3	-18	0.84328	131.9572	1.29777e-04	0.0%	2	694	1.065
-3	5	11	0.84321	131.9793	2.19608e-04	0.0%	2	155	1.066
3	5	-11	0.84321	131.9793	2.43505e-04	0.0%	2	155	1.066
15	5	-7	0.84319	131.9847	3.96561e-04	0.0%	2	299	1.066
5	7	0.84319	131.9847	4.68914e-04	0.0%	2	299	1.066	
18	4	-1	0.84295	132.0578	5.17400e-04	0.0%	2	341	1.068
4	1	0.84295	132.0578	5.16978e-04	0.0%	2	341	1.068	
10	0	13	0.84268	132.1424	5.07331e-04	0.0%	2	269	1.070
16	2	7	0.84246	132.2089	1.13230e-04	0.0%	2	309	1.072
16	-2	7	0.84246	132.2089	1.69284e-04	0.0%	2	309	1.072
1	20	0.84227	132.2686	1.77054e-03	0.0%	2	930	1.073	
23	1	-20	0.84227	132.2686	1.85442e-03	0.0%	2	930	1.073
12	4	6	0.84207	132.3304	5.19468e-04	0.0%	2	196	1.075
12	-4	6	0.84207	132.3304	6.63285e-04	0.0%	2	196	1.075
20	4	-5	0.84206	132.3328	2.38518e-04	0.0%	2	441	1.075
4	5	0.84206	132.3328	1.50074e-04	0.0%	2	441	1.075	
24	2	-3	0.84203	132.3411	5.19882e-04	0.0%	2	589	1.075
2	3	0.84203	132.3411	5.53913e-04	0.0%	2	589	1.075	
2	20	0.84126	132.5809	2.01708e-03	0.0%	2	804	1.081	
20	2	-20	0.84126	132.5809	2.02589e-03	0.0%	2	804	1.081
3	19	0.84124	132.5865	1.30698e-03	0.0%	2	595	1.081	
15	3	-19	0.84124	132.5865	1.59565e-03	0.0%	2	595	1.081
3	17	0.84122	132.5919	6.87661e-04	0.0%	2	739	1.081	
21	3	-17	0.84122	132.5919	7.17193e-04	0.0%	2	739	1.081
15	5	-5	0.84106	132.6404	5.95655e-04	0.0%	2	275	1.083
5	5	0.84106	132.6404	7.30278e-04	0.0%	2	275	1.083	
9	3	11	0.84097	132.6689	2.45378e-05	0.0%	2	211	1.083
9	-3	11	0.84097	132.6689	7.21466e-05	0.0%	2	211	1.083
21	3	-1	0.84094	132.6779	2.21803e-04	0.0%	2	451	1.084
3	1	0.84094	132.6779	3.05677e-04	0.0%	2	451	1.084	
15	5	-8	0.84058	132.7920	6.13142e-04	0.0%	2	314	1.087
5	8	0.84058	132.7920	5.36932e-04	0.0%	2	314	1.087	

3	19	0.84028	132.8845	2.64190e-03	0.0%	2	491	1.089	
11	3	-19	0.84028	132.8845	1.92306e-03	0.0%	2	491	1.089
23	3	-15	0.84025	132.8948	9.54948e-04	0.0%	2	763	1.089
3	15	0.84025	132.8948	1.74127e-03	0.0%	2	763	1.089	
-4	2	19	0.83990	133.0025	1.05969e-03	0.0%	2	381	1.092
4	2	-19	0.83990	133.0025	9.03225e-04	0.0%	2	381	1.092
24	0	-20	0.83957	133.1063	1.17193e-03	0.0%	2	976	1.095
-9	5	12	0.83923	133.2160	1.90501e-04	0.0%	2	250	1.098
9	5	-12	0.83923	133.2160	2.25739e-04	0.0%	2	250	1.098
13	3	8	0.83879	133.3536	1.04749e-04	0.0%	2	242	1.102
13	-3	8	0.83879	133.3536	2.07173e-05	0.0%	2	242	1.102
15	1	9	0.83846	133.4594	3.38422e-05	0.0%	2	307	1.105
15	-1	9	0.83846	133.4594	3.32834e-05	0.0%	2	307	1.105
21	1	3	0.83844	133.4649	7.56360e-06	0.0%	2	451	1.105
21	-1	3	0.83844	133.4649	1.96432e-06	0.0%	2	451	1.105
16	4	2	0.83834	133.4960	3.81735e-05	0.0%	2	276	1.106
16	-4	2	0.83834	133.4960	1.38042e-04	0.0%	2	276	1.106
-7	5	12	0.83829	133.5116	3.73917e-04	0.0%	2	218	1.106
7	5	-12	0.83829	133.5116	4.51463e-04	0.0%	2	218	1.106
7	5	6	0.83819	133.5443	2.55045e-04	0.0%	2	110	1.107
7	-5	6	0.83819	133.5443	1.68917e-04	0.0%	2	110	1.107
5	11	0.83744	133.7857	1.30582e-03	0.0%	2	315	1.114	
13	5	-11	0.83744	133.7857	1.15089e-03	0.0%	2	315	1.114
20	2	3	0.83689	133.9615	7.08345e-04	0.0%	2	413	1.118
20	-2	3	0.83689	133.9615	5.51699e-04	0.0%	2	413	1.118
15	5	-4	0.83637	134.1281	1.61763e-03	0.0%	2	266	1.123
5	4	0.83637	134.1281	1.01528e-03	0.0%	2	266	1.123	
10	2	12	0.83609	134.2213	7.42254e-05	0.0%	2	248	1.126
10	-2	12	0.83609	134.2213	1.06086e-04	0.0%	2	248	1.126
19	3	2	0.83602	134.2433	1.94917e-04	0.0%	2	374	1.126
19	-3	2	0.83602	134.2433	1.50613e-04	0.0%	2	374	1.126
3	1	17	0.83584	134.2997	1.18449e-03	0.0%	2	299	1.128
3	-1	17	0.83584	134.2997	9.69601e-04	0.0%	2	299	1.128
15	5	-9	0.83558	134.3873	5.80704e-04	0.0%	2	331	1.130
5	9	0.83558	134.3873	7.70522e-04	0.0%	2	331	1.130	
13	5	0	0.83543	134.4351	3.74988e-04	0.0%	4	194	1.132
24	2	-18	0.83454	134.7269	1.27807e-03	0.0%	2	904	1.140
2	18	0.83454	134.7269	1.62115e-03	0.0%	2	904	1.140	
5	12	0.83418	134.8437	1.01991e-03	0.0%	2	290	1.143	
11	5	-12	0.83418	134.8437	1.00706e-03	0.0%	2	290	1.143

14	2	9	0.83417	134.8502	5.17411e-05	0.0%	2	281	1.144
14	-2	9	0.83417	134.8502	6.34294e-05	0.0%	2	281	1.144
20	4	-13	0.83389	134.9402	1.57184e-03	0.0%	2	585	1.146
4	13	0.83389	134.9402	1.92672e-03	0.0%	2	585	1.146	
2	4	13	0.83380	134.9709	3.10171e-04	0.0%	2	189	1.147
2	-4	13	0.83380	134.9709	2.01368e-04	0.0%	2	189	1.147
1	1	18	0.83377	134.9824	6.79412e-05	0.0%	2	326	1.148
1	-1	18	0.83377	134.9824	8.38061e-05	0.0%	2	326	1.148
5	1	16	0.83371	135.0016	1.32579e-04	0.0%	2	282	1.148
5	-1	16	0.83371	135.0016	1.27108e-04	0.0%	2	282	1.148
-5	3	18	0.83350	135.0695	8.74772e-04	0.0%	2	358	1.150
5	3	-18	0.83350	135.0695	8.55148e-04	0.0%	2	358	1.150
4	15	0.83347	135.0795	1.83312e-03	0.0%	2	565	1.150	
18	4	-15	0.83347	135.0795	1.63981e-03	0.0%	2	565	1.150
25	1	-19	0.83310	135.2055	6.15564e-04	0.0%	2	987	1.154
1	19	0.83310	135.2055	7.25316e-04	0.0%	2	987	1.154	
10	4	8	0.83287	135.2794	1.01038e-04	0.0%	2	180	1.156
10	-4	8	0.83287	135.2794	4.42558e-05	0.0%	2	180	1.156
3	19	0.83275	135.3210	2.08534e-03	0.0%	2	659	1.158	
17	3	-19	0.83275	135.3210	2.19744e-03	0.0%	2	659	1.158
4	16	0.83241	135.4347	1.15519e-03	0.0%	2	528	1.161	
16	4	-16	0.83241	135.4347	8.63036e-04	0.0%	2	528	1.161
0	6	0	0.83235	135.4551	5.91814e-03	0.1%	2	36	1.162
4	4	12	0.83225	135.4886	1.70870e-04	0.0%	2	176	1.163
4	-4	12	0.83225	135.4886	2.80561e-04	0.0%	2	176	1.163
20	4	-4	0.83222	135.4987	1.68283e-04	0.0%	2	432	1.163
4	4	0.83222	135.4987	3.30126e-04	0.0%	2	432	1.163	
-5	5	12	0.83145	135.7605	1.08644e-03	0.0%	2	194	1.171
5	5	-12	0.83145	135.7605	9.34069e-04	0.0%	2	194	1.171
-6	4	16	0.83123	135.8331	2.50373e-03	0.0%	2	308	1.173
6	4	-16	0.83123	135.8331	2.99756e-03	0.0%	2	308	1.173
0	4	14	0.83117	135.8548	9.09985e-04	0.0%	2	212	1.174
0	4	-14	0.83117	135.8548	1.03278e-03	0.0%	2	212	1.174
0	6	1	0.83117	135.8550	6.61798e-04	0.0%	2	37	1.174
0	6	-1	0.83117	135.8550	6.51424e-04	0.0%	2	37	1.174
-9	3	19	0.83090	135.9471	2.10534e-03	0.0%	2	451	1.176
9	3	-19	0.83090	135.9471	2.44647e-03	0.0%	2	451	1.176
23	3	-4	0.83062	136.0400	4.57953e-04	0.0%	2	554	1.179
3	4	0.83062	136.0400	2.71190e-04	0.0%	2	554	1.179	
2	6	-1	0.83027	136.1617	3.16802e-04	0.0%	2	41	1.183

-2	6	1	0.83027	136.1617	3.06320e-04	0.0%	2	41	1.183
1	5	10	0.83005	136.2366	1.14773e-03	0.0%	2	126	1.185
1	-5	10	0.83005	136.2366	1.14845e-03	0.0%	2	126	1.185
2	6	0	0.82943	136.4513	4.83137e-03	0.0%	4	40	1.192
3	5	9	0.82942	136.4543	1.08438e-03	0.0%	2	115	1.192
3	-5	9	0.82942	136.4543	1.59787e-03	0.0%	2	115	1.192
15	5	-3	0.82940	136.4601	4.33373e-04	0.0%	2	259	1.192
5	3	0.82940	136.4601	6.55250e-04	0.0%	2	259	1.192	
-2	6	2	0.82876	136.6826	5.38969e-04	0.0%	2	44	1.199
2	6	-2	0.82876	136.6826	5.86331e-04	0.0%	2	44	1.199
15	5	-10	0.82831	136.8385	1.14618e-03	0.0%	2	350	1.204
5	10	0.82831	136.8385	1.55320e-03	0.0%	2	350	1.204	
0	6	2	0.82765	137.0727	9.73111e-04	0.0%	2	40	1.212
0	6	-2	0.82765	137.0727	1.00379e-03	0.0%	2	40	1.212
-1	1	19	0.82757	137.1014	2.04448e-04	0.0%	2	363	1.213
1	1	-19	0.82757	137.1014	2.42084e-04	0.0%	2	363	1.213
7	1	15	0.82745	137.1414	1.44406e-04	0.0%	2	275	1.214
7	-1	15	0.82745	137.1414	1.75647e-04	0.0%	2	275	1.214
23	3	-16	0.82683	137.3619	7.77478e-04	0.0%	2	794	1.221
3	16	0.82683	137.3619	1.46753e-03	0.0%	2	794	1.221	
6	4	11	0.82659	137.4482	5.41968e-04	0.0%	2	173	1.224
6	-4	11	0.82659	137.4482	7.49496e-04	0.0%	2	173	1.224
-1	5	11	0.82656	137.4571	1.50160e-04	0.0%	2	147	1.224
1	5	-11	0.82656	137.4571	1.68388e-04	0.0%	2	147	1.224
11	5	3	0.82649	137.4838	1.62744e-03	0.0%	2	155	1.225
11	-5	3	0.82649	137.4838	1.05920e-03	0.0%	2	155	1.225
2	6	1	0.82626	137.5647	3.51914e-04	0.0%	2	41	1.228
2	-6	1	0.82626	137.5647	2.93356e-04	0.0%	2	41	1.228
18	4	0	0.82571	137.7606	8.07541e-06	0.0%	4	340	1.234
12	0	12	0.82566	137.7790	1.26434e-04	0.0%	2	288	1.235
24	0	0	0.82563	137.7908	5.12635e-05	0.0%	2	576	1.235
3	3	15	0.82541	137.8689	3.15141e-04	0.0%	2	243	1.238
3	-3	15	0.82541	137.8689	6.18323e-04	0.0%	2	243	1.238
11	3	10	0.82527	137.9205	2.33997e-04	0.0%	2	230	1.240
11	-3	10	0.82527	137.9205	1.60846e-04	0.0%	2	230	1.240
4	0	17	0.82505	138.0003	1.62100e-03	0.0%	2	305	1.242
-2	6	3	0.82494	138.0381	2.91902e-03	0.0%	2	49	1.244
2	6	-3	0.82494	138.0381	2.91662e-03	0.0%	2	49	1.244
2	0	18	0.82491	138.0495	6.39645e-04	0.0%	2	328	1.244
9	5	5	0.82473	138.1165	6.59999e-04	0.0%	2	131	1.246
9	-5	5	0.82473	138.1165	4.19555e-04	0.0%	2	131	1.246
5	5	8	0.82470	138.1282	2.47751e-04	0.0%	2	114	1.247
5	-5	8	0.82470	138.1282	5.22837e-04	0.0%	2	114	1.247

-2	4	15	0.82447	138.2106	1.71519e-03	0.0%	2	245	1.250
2	4	-15	0.82447	138.2106	1.41090e-03	0.0%	2	245	1.250
18	0	7	0.82446	138.2136	3.52894e-04	0.0%	2	373	1.250
25	1	-2	0.82424	138.2955	3.61913e-05	0.0%	2	630	1.252
1	2	0.82424	138.2955	2.27660e-05	0.0%	2	630	1.252	
4	6	-2	0.82412	138.3386	7.89944e-04	0.0%	2	56	1.254
-4	6	2	0.82412	138.3386	8.46569e-04	0.0%	2	56	1.254
13	1	11	0.82407	138.3545	3.34195e-05	0.0%	2	291	1.255
13	-1	11	0.82407	138.3545	3.96076e-05	0.0%	2	291	1.255
1	3	16	0.82406	138.3582	8.14102e-04	0.0%	2	266	1.255
1	-3	16	0.82406	138.3582	7.55867e-04	0.0%	2	266	1.255
23	1	1	0.82405	138.3645	1.92644e-04	0.0%	2	531	1.255
23	-1	1	0.82405	138.3645	1.97738e-04	0.0%	2	531	1.255
-6	2	20	0.82376	138.4693	8.01717e-04	0.0%	2	440	1.258
6	2	-20	0.82376	138.4693	8.82182e-04	0.0%	2	440	1.258
4	6	-1	0.82362	138.5203	7.75803e-04	0.0%	2	53	1.260
-4	6	1	0.82362	138.5203	6.69989e-04	0.0%	2	53	1.260
20	0	5	0.82358	138.5361	2.82207e-05	0.0%	2	425	1.261
24	2	-2	0.82353	138.5559	9.26527e-05	0.0%	2	584	1.261
2	2	0.82353	138.5559	1.91210e-04	0.0%	2	584	1.261	
5	12	0.82348	138.5711	8.30903e-04	0.0%	2	338	1.262	
13	5	-12	0.82348	138.5711	7.53532e-04	0.0%	2	338	1.262
22	2	1	0.82345	138.5847	4.19562e-04	0.0%	2	489	1.262
22	-2	1	0.82345	138.5847	5.64376e-04	0.0%	2	489	1.262
4	17	0.82281	138.8214	8.31017e-04	0.0%	2	449	1.271	
12	4	-17	0.82281	138.8214	7.59668e-04	0.0%	2	449	1.271
5	3	14	0.82270	138.8598	1.10536e-04	0.0%	2	230	1.272
5	-3	14	0.82270	138.8598	3.71012e-04	0.0%	2	230	1.272
20	4	-14	0.82240	138.9731	3.39439e-04	0.0%	2	612	1.276
4	14	0.82240	138.9731	1.72660e-04	0.0%	2	612	1.276	
4	6	-3	0.82232	139.0027	2.85651e-03	0.0%	2	61	1.277
-4	6	3	0.82232	139.0027	2.71926e-03	0.0%	2	61	1.277
2	2	17	0.82229	139.0140	3.29055e-04	0.0%	2	297	1.278
2	-2	17	0.82229	139.0140	4.96565e-04	0.0%	2	297	1.278
4	2	16	0.82210	139.0850	3.38221e-04	0.0%	2	276	1.280
4	-2	16	0.82210	139.0850	3.83564e-04	0.0%	2	276	1.280
25	3	-11	0.82195	139.1394	8.64847e-04	0.0%	2	755	1.282
3	11	0.82195	139.1394	5.64904e-04	0.0%	2	755	1.282	
0	6	3	0.82188	139.1668	1.78049e-03	0.0%	2	45	1.283
0	6	-3	0.82188	139.1668	1.90795e-03	0.0%	2	45	1.283
25	3	-10	0.82144	139.3301	3.75373e-04	0.0%	2	734	1.289

3	10	0.82144	139.3301	3.78761e-04	0.0%	2	734	1.289	
13	5	1	0.82123	139.4108	9.32868e-04	0.0%	2	195	1.292
13	-5	1	0.82123	139.4108	4.21427e-04	0.0%	2	195	1.292
3	18	0.82117	139.4337	6.31869e-04	0.0%	2	774	1.293	
21	3	-18	0.82117	139.4337	9.61429e-04	0.0%	2	774	1.293
6	0	16	0.82114	139.4435	9.23636e-06	0.0%	2	292	1.293
21	3	0	0.82088	139.5433	1.99704e-04	0.0%	4	450	1.297
2	6	2	0.82084	139.5568	1.70049e-04	0.0%	2	44	1.297
2	-6	2	0.82084	139.5568	1.38424e-04	0.0%	2	44	1.297
4	6	0	0.82084	139.5571	2.20127e-03	0.0%	4	52	1.297
0	0	19	0.82074	139.5957	5.63847e-04	0.0%	2	361	1.299
4	17	0.82062	139.6413	8.94469e-04	0.0%	2	405	1.300	
10	4	-17	0.82062	139.6413	6.99747e-04	0.0%	2	405	1.300
20	4	-3	0.82044	139.7109	1.25282e-03	0.0%	2	425	1.303
4	3	0.82044	139.7109	7.34842e-04	0.0%	2	425	1.303	
2	20	0.82038	139.7342	1.30197e-03	0.0%	2	888	1.304	
22	2	-20	0.82038	139.7342	1.12085e-03	0.0%	2	888	1.304
15	5	-2	0.82032	139.7544	2.20511e-04	0.0%	2	254	1.304
5	2	0.82032	139.7544	9.58162e-05	0.0%	2	254	1.304	
25	3	-12	0.82018	139.8083	3.26133e-04	0.0%	2	778	1.306
3	12	0.82018	139.8083	2.19085e-04	0.0%	2	778	1.306	
4	17	0.81935	140.1294	1.00813e-03	0.0%	2	501	1.318	
14	4	-17	0.81935	140.1294	1.18662e-03	0.0%	2	501	1.318
12	2	11	0.81914	140.2106	3.76626e-05	0.0%	2	269	1.321
12	-2	11	0.81914	140.2106	4.92797e-05	0.0%	2	269	1.321
14	4	5	0.81911	140.2199	4.10757e-04	0.0%	2	237	1.322
14	-4	5	0.81911	140.2199	6.72466e-04	0.0%	2	237	1.322
-3	5	12	0.81911	140.2224	4.10292e-04	0.0%	2	178	1.322
3	5	-12	0.81911	140.2224	3.14011e-04	0.0%	2	178	1.322
-9	5	13	0.81898	140.2701	2.89022e-03	0.0%	2	275	1.324
9	5	-13	0.81898	140.2701	2.91621e-03	0.0%	2	275	1.324
15	5	-11	0.81897	140.2743	5.34276e-04	0.0%	2	371	1.324
5	11	0.81897	140.2743	6.31200e-04	0.0%	2	371	1.324	
-2	6	4	0.81891	140.2978	4.93003e-04	0.0%	2	56	1.325
2	6	-4	0.81891	140.2978	5.49361e-04	0.0%	2	56	1.325
3	19	0.81886	140.3169	2.35977e-03	0.0%	2	731	1.325	
19	3	-19	0.81886	140.3169	2.36936e-03	0.0%	2	731	1.325
-1	3	17	0.81872	140.3726	9.51811e-05	0.0%	2	299	1.328

1	3	-17	0.81872	140.3726	3.67191e-05	0.0%	2	299	1.328
25	3	-9	0.81867	140.3907	1.18231e-05	0.0%	2	715	1.328
3	9	0.81867	140.3907	5.13682e-05	0.0%	2	715	1.328	
0	2	18	0.81848	140.4662	4.15077e-04	0.0%	2	328	1.331
0	2	-18	0.81848	140.4662	4.24853e-04	0.0%	2	328	1.331
16	0	9	0.81839	140.4996	1.15644e-03	0.0%	2	337	1.332
-4	6	4	0.81827	140.5477	3.59307e-04	0.0%	2	68	1.334
4	6	-4	0.81827	140.5477	3.03260e-04	0.0%	2	68	1.334
6	2	15	0.81791	140.6862	5.07874e-04	0.0%	2	265	1.340
6	-2	15	0.81791	140.6862	4.24117e-04	0.0%	2	265	1.340
-3	1	20	0.81752	140.8433	4.68376e-04	0.0%	2	410	1.346
3	1	-20	0.81752	140.8433	4.68171e-04	0.0%	2	410	1.346
9	1	14	0.81735	140.9080	1.31859e-04	0.0%	2	278	1.348
9	-1	14	0.81735	140.9080	1.94772e-04	0.0%	2	278	1.348
8	4	10	0.81706	141.0244	1.11835e-03	0.0%	2	180	1.353
8	-4	10	0.81706	141.0244	1.13562e-03	0.0%	2	180	1.353
17	3	5	0.81662	141.1980	1.03930e-04	0.0%	2	323	1.360
17	-3	5	0.81662	141.1980	6.32337e-06	0.0%	2	323	1.360
16	4	3	0.81654	141.2305	1.01598e-04	0.0%	2	281	1.361
16	-4	3	0.81654	141.2305	1.84125e-04	0.0%	2	281	1.361
-7	3	19	0.81622	141.3567	1.58979e-03	0.0%	2	419	1.366
7	3	-19	0.81622	141.3567	2.20577e-03	0.0%	2	419	1.366
5	13	0.81621	141.3632	6.66666e-04	0.0%	2	315	1.366	
11	5	-13	0.81621	141.3632	5.51899e-04	0.0%	2	315	1.366
-7	5	13	0.81619	141.3695	2.40756e-03	0.0%	2	243	1.367
7	5	-13	0.81619	141.3695	1.96980e-03	0.0%	2	243	1.367
25	3	-13	0.81618	141.3737	1.96888e-04	0.0%	2	803	1.367
3	13	0.81618	141.3737	2.51751e-04	0.0%	2	803	1.367	
7	5	7	0.81609	141.4118	9.62397e-04	0.0%	2	123	1.368
7	-5	7	0.81609	141.4118	8.53177e-04	0.0%	2	123	1.368
7	3	13	0.81605	141.4242	1.31505e-03	0.0%	2	227	1.369
7	-3	13	0.81605	141.4242	9.78477e-04	0.0%	2	227	1.369
23	3	-3	0.81602	141.4384	9.58282e-04	0.0%	2	547	1.369
3	3	0.81602	141.4384	1.47551e-03	0.0%	2	547	1.369	
4	6	1	0.81585	141.5062	3.07888e-04	0.0%	2	53	1.372
4	-6	1	0.81585	141.5062	2.03993e-04	0.0%	2	53	1.372
22	0	3	0.81581	141.5214	7.76103e-05	0.0%	2	493	1.373
2	19	0.81559	141.6109	1.69171e-04	0.0%	2	941	1.376	
24	2	-19	0.81559	141.6109	8.30392e-05	0.0%	2	941	1.376
4	16	0.81555	141.6291	2.69917e-03	0.0%	2	596	1.377	
18	4	-16	0.81555	141.6291	2.41684e-03	0.0%	2	596	1.377

15	3	7	0.81492	141.8807	3.65532e-04	0.0%	2	283	1.387
15	-3	7	0.81492	141.8807	1.23576e-04	0.0%	2	283	1.387
12	4	7	0.81485	141.9123	4.82954e-05	0.0%	2	209	1.389
12	-4	7	0.81485	141.9123	1.10760e-04	0.0%	2	209	1.389
6	6	-3	0.81416	142.1918	1.06580e-03	0.0%	2	81	1.400
-6	6	3	0.81416	142.1918	1.09664e-03	0.0%	2	81	1.400
22	4	-9	0.81410	142.2173	3.15849e-04	0.0%	2	581	1.401
4	9	0.81410	142.2173	9.78158e-05	0.0%	2	581	1.401	
0	6	4	0.81400	142.2577	5.13663e-04	0.0%	2	52	1.403
0	6	-4	0.81400	142.2577	4.90770e-04	0.0%	2	52	1.403
6	6	-2	0.81400	142.2588	1.30514e-03	0.0%	2	76	1.403
-6	6	2	0.81400	142.2588	1.11573e-03	0.0%	2	76	1.403
-4	4	16	0.81399	142.2616	6.35883e-04	0.0%	2	288	1.403
4	4	-16	0.81399	142.2616	9.13353e-04	0.0%	2	288	1.403
22	4	-10	0.81396	142.2758	1.46915e-04	0.0%	2	600	1.404
4	10	0.81396	142.2758	7.28074e-05	0.0%	2	600	1.404	
19	1	6	0.81387	142.3131	1.39783e-04	0.0%	2	398	1.405
19	-1	6	0.81387	142.3131	1.01851e-04	0.0%	2	398	1.405
25	3	-8	0.81370	142.3822	1.57937e-03	0.0%	2	698	1.408
3	8	0.81370	142.3822	1.73197e-03	0.0%	2	698	1.408	
8	0	15	0.81337	142.5209	1.55375e-04	0.0%	2	289	1.414
2	6	3	0.81331	142.5438	2.64567e-03	0.0%	2	49	1.415
2	-6	3	0.81331	142.5438	2.25101e-03	0.0%	2	49	1.415
1	20	0.81298	142.6832	9.67530e-04	0.0%	2	1026	1.421	
25	1	-20	0.81298	142.6832	9.39265e-04	0.0%	2	1026	1.421
-8	4	17	0.81293	142.7048	2.27158e-03	0.0%	2	369	1.422
8	4	-17	0.81293	142.7048	2.04881e-03	0.0%	2	369	1.422
2	0	-20	0.81272	142.7924	1.33531e-03	0.0%	2	404	1.426
18	2	6	0.81256	142.8596	6.32669e-05	0.0%	2	364	1.429
18	-2	6	0.81256	142.8596	8.52100e-05	0.0%	2	364	1.429
6	6	-4	0.81212	143.0451	2.46796e-03	0.0%	2	88	1.437
-6	6	4	0.81212	143.0451	2.36783e-03	0.0%	2	88	1.437
-4	6	5	0.81207	143.0658	2.67410e-03	0.0%	2	77	1.438
4	6	-5	0.81207	143.0658	2.56982e-03	0.0%	2	77	1.438
22	4	-8	0.81203	143.0799	1.76565e-04	0.0%	2	564	1.438
4	8	0.81203	143.0799	1.89922e-04	0.0%	2	564	1.438	
23	3	-17	0.81182	143.1682	8.45986e-04	0.0%	2	827	1.442
3	17	0.81182	143.1682	1.06793e-03	0.0%	2	827	1.442	
6	6	-1	0.81163	143.2505	1.07910e-04	0.0%	2	73	1.446
-6	6	1	0.81163	143.2505	8.11054e-05	0.0%	2	73	1.446
22	4	-11	0.81161	143.2591	6.74945e-04	0.0%	2	621	1.446

4	11	0.81161	143.2591	1.12388e-03	0.0%	2	621	1.446	
19	3	3	0.81155	143.2863	1.13868e-04	0.0%	2	379	1.448
19	-3	3	0.81155	143.2863	2.01600e-04	0.0%	2	379	1.448
3	20	0.81137	143.3609	1.19171e-03	0.0%	2	578	1.451	
13	3	-20	0.81137	143.3609	8.12262e-04	0.0%	2	578	1.451
17	1	8	0.81135	143.3682	1.78415e-04	0.0%	2	354	1.451
17	-1	8	0.81135	143.3682	2.19572e-04	0.0%	2	354	1.451
17	5	-7	0.81107	143.4890	5.07314e-04	0.0%	2	363	1.457
5	7	0.81107	143.4890	4.31617e-04	0.0%	2	363	1.457	
3	20	0.81097	143.5347	2.71514e-03	0.0%	2	634	1.459	
15	3	-20	0.81097	143.5347	2.93577e-03	0.0%	2	634	1.459
-2	2	19	0.81083	143.5931	4.62932e-04	0.0%	2	369	1.461
2	2	-19	0.81083	143.5931	3.94488e-04	0.0%	2	369	1.461
-2	6	5	0.81081	143.6024	1.36042e-03	0.0%	2	65	1.462
2	6	-5	0.81081	143.6024	1.47914e-03	0.0%	2	65	1.462
17	5	-8	0.81061	143.6855	5.10948e-04	0.0%	2	378	1.465
5	8	0.81061	143.6855	2.54893e-04	0.0%	2	378	1.465	
4	17	0.81045	143.7557	1.82541e-03	0.0%	2	561	1.469	
16	4	-17	0.81045	143.7557	2.32735e-03	0.0%	2	561	1.469
25	3	-14	0.81004	143.9338	7.33378e-04	0.0%	2	830	1.477
3	14	0.81004	143.9338	5.94652e-04	0.0%	2	830	1.477	
8	2	14	0.80992	143.9872	1.83199e-04	0.0%	2	264	1.479
8	-2	14	0.80992	143.9872	1.69332e-04	0.0%	2	264	1.479
21	1	4	0.80968	144.0926	1.04226e-04	0.0%	2	458	1.484
21	-1	4	0.80968	144.0926	1.00866e-04	0.0%	2	458	1.484
-3	3	18	0.80960	144.1248	1.09828e-03	0.0%	2	342	1.486
3	3	-18	0.80960	144.1248	4.70167e-04	0.0%	2	342	1.486
15	5	-1	0.80935	144.2358	7.92768e-04	0.0%	2	251	1.491
5	1	0.80935	144.2358	7.19170e-04	0.0%	2	251	1.491	
17	5	-6	0.80934	144.2395	1.07074e-03	0.0%	2	350	1.491
5	6	0.80934	144.2395	1.26078e-03	0.0%	2	350	1.491	
16	2	8	0.80922	144.2916	1.04871e-04	0.0%	2	324	1.493
16	-2	8	0.80922	144.2916	2.00176e-05	0.0%	2	324	1.493
20	2	4	0.80921	144.2962	1.55507e-03	0.0%	2	420	1.494
20	-2	4	0.80921	144.2962	1.47649e-03	0.0%	2	420	1.494
20	4	-15	0.80918	144.3106	1.72768e-03	0.0%	2	641	1.494
4	15	0.80918	144.3106	1.24449e-03	0.0%	2	641	1.494	
4	6	2	0.80876	144.4942	9.72596e-04	0.0%	2	56	1.503

4	-6	2	0.80876	144.4942	6.57632e-04	0.0%	2	56	1.503
11	5	4	0.80804	144.8139	2.69753e-04	0.0%	2	162	1.518
11	-5	4	0.80804	144.8139	3.66133e-04	0.0%	2	162	1.518
5	13	0.80803	144.8204	1.60617e-03	0.0%	2	363	1.519	
13	5	-13	0.80803	144.8204	1.43164e-03	0.0%	2	363	1.519
-5	5	13	0.80800	144.8341	1.32190e-03	0.0%	2	219	1.519
5	5	-13	0.80800	144.8341	1.16025e-03	0.0%	2	219	1.519
17	5	-9	0.80798	144.8425	6.52905e-04	0.0%	2	395	1.520
5	9	0.80798	144.8425	5.50976e-04	0.0%	2	395	1.520	
-6	6	5	0.80791	144.8761	5.41439e-04	0.0%	2	97	1.521
6	6	-5	0.80791	144.8761	4.10183e-04	0.0%	2	97	1.521
22	4	-7	0.80780	144.9217	2.76633e-04	0.0%	2	549	1.524
4	7	0.80780	144.9217	3.89219e-04	0.0%	2	549	1.524	
5	12	0.80776	144.9404	1.74933e-03	0.0%	2	394	1.524	
15	5	-12	0.80776	144.9404	1.31130e-03	0.0%	2	394	1.524
18	4	1	0.80732	145.1413	4.21606e-04	0.0%	2	341	1.534
18	-4	1	0.80732	145.1413	3.45671e-04	0.0%	2	341	1.534
22	4	-12	0.80711	145.2343	1.30562e-03	0.0%	2	644	1.539
4	12	0.80711	145.2343	2.02110e-03	0.0%	2	644	1.539	
6	6	0	0.80711	145.2346	1.74831e-03	0.0%	4	72	1.539
20	4	-2	0.80697	145.2964	1.01453e-04	0.0%	2	420	1.542
4	2	0.80697	145.2964	2.33454e-04	0.0%	2	420	1.542	
25	3	-7	0.80665	145.4418	1.18794e-03	0.0%	2	683	1.549
3	7	0.80665	145.4418	9.09606e-04	0.0%	2	683	1.549	
13	3	9	0.80659	145.4735	8.99921e-04	0.0%	2	259	1.551
13	-3	9	0.80659	145.4735	5.94218e-04	0.0%	2	259	1.551
3	20	0.80638	145.5662	2.01863e-04	0.0%	2	530	1.555	
11	3	-20	0.80638	145.5662	1.90441e-04	0.0%	2	530	1.555
14	0	11	0.80582	145.8258	7.96508e-05	0.0%	2	317	1.569
9	3	12	0.80575	145.8591	1.04210e-03	0.0%	2	234	1.570
9	-3	12	0.80575	145.8591	5.19636e-04	0.0%	2	234	1.570
13	5	2	0.80557	145.9395	2.97176e-04	0.0%	2	198	1.575
13	-5	2	0.80557	145.9395	1.28722e-04	0.0%	2	198	1.575
1	5	11	0.80548	145.9814	6.31631e-04	0.0%	2	147	1.577
1	-5	11	0.80548	145.9814	1.15442e-03	0.0%	2	147	1.577
17	5	-5	0.80546	145.9910	4.05414e-04	0.0%	2	339	1.577
5	5	0.80546	145.9910	1.20703e-04	0.0%	2	339	1.577	
3	5	10	0.80521	146.1082	9.22854e-05	0.0%	2	134	1.583
3	-5	10	0.80521	146.1082	1.88713e-04	0.0%	2	134	1.583

3	20	0.80519	146.1193	4.40281e-03	0.0%	2	698	1.584	
17	3	-20	0.80519	146.1193	4.72284e-03	0.0%	2	698	1.584
0	6	5	0.80420	146.5833	1.13149e-03	0.0%	2	61	1.608
0	6	-5	0.80420	146.5833	9.80293e-04	0.0%	2	61	1.608
10	4	9	0.80406	146.6528	2.03652e-04	0.0%	2	197	1.612
10	-4	9	0.80406	146.6528	5.41482e-05	0.0%	2	197	1.612
24	2	-1	0.80404	146.6596	5.27934e-04	0.0%	2	581	1.612
2	1	0.80404	146.6596	5.84266e-04	0.0%	2	581	1.612	
9	5	6	0.80395	146.7044	1.00690e-03	0.0%	2	142	1.615
9	-5	6	0.80395	146.7044	1.33229e-03	0.0%	2	142	1.615
-4	6	6	0.80386	146.7471	5.93208e-04	0.0%	2	88	1.617
4	6	-6	0.80386	146.7471	6.07639e-04	0.0%	2	88	1.617
2	6	4	0.80384	146.7562	3.49288e-04	0.0%	2	56	1.618
2	-6	4	0.80384	146.7562	2.39456e-04	0.0%	2	56	1.618
11	1	13	0.80382	146.7648	8.56271e-05	0.0%	2	291	1.618
11	-1	13	0.80382	146.7648	7.78075e-05	0.0%	2	291	1.618
25	1	-1	0.80379	146.7817	1.97260e-05	0.0%	2	627	1.619
1	1	0.80379	146.7817	1.53426e-05	0.0%	2	627	1.619	
17	5	-10	0.80323	147.0479	4.08395e-04	0.0%	2	414	1.634
5	10	0.80323	147.0479	4.29580e-04	0.0%	2	414	1.634	
15	1	10	0.80231	147.4941	1.40142e-04	0.0%	2	326	1.658
15	-1	10	0.80231	147.4941	1.29242e-04	0.0%	2	326	1.658
10	0	14	0.80204	147.6268	2.14996e-05	0.0%	2	296	1.666
-1	5	12	0.80199	147.6520	4.49995e-04	0.0%	2	170	1.667
1	5	-12	0.80199	147.6520	5.81453e-04	0.0%	2	170	1.667
25	3	-15	0.80191	147.6933	1.28729e-03	0.0%	2	859	1.670
3	15	0.80191	147.6933	1.96246e-03	0.0%	2	859	1.670	
24	0	1	0.80173	147.7828	5.73296e-06	0.0%	2	577	1.675
-6	6	6	0.80163	147.8298	1.99610e-03	0.0%	2	108	1.678
6	6	-6	0.80163	147.8298	2.03057e-03	0.0%	2	108	1.678
2	4	14	0.80155	147.8723	7.84656e-04	0.0%	2	216	1.680
2	-4	14	0.80155	147.8723	7.48738e-04	0.0%	2	216	1.680
22	4	-6	0.80151	147.8889	3.16080e-04	0.0%	2	536	1.681
4	6	0.80151	147.8889	8.63032e-05	0.0%	2	536	1.681	
5	5	9	0.80119	148.0511	1.00949e-03	0.0%	2	131	1.690
5	-5	9	0.80119	148.0511	1.09809e-03	0.0%	2	131	1.690
8	6	-3	0.80096	148.1649	4.23187e-04	0.0%	2	109	1.697
-8	6	3	0.80096	148.1649	5.06097e-04	0.0%	2	109	1.697
-2	6	6	0.80082	148.2358	1.62696e-03	0.0%	2	76	1.701
2	6	-6	0.80082	148.2358	1.31708e-03	0.0%	2	76	1.701
8	6	-4	0.80082	148.2379	1.52296e-03	0.0%	2	116	1.701

-8	6	4	0.80082	148.2379	1.40614e-03	0.0%	2	116	1.701
22	4	-13	0.80057	148.3635	2.88978e-04	0.0%	2	669	1.709
4	13	0.80057	148.3635	6.86708e-04	0.0%	2	669	1.709	
6	6	1	0.80055	148.3739	1.07533e-03	0.0%	2	73	1.710
6	-6	1	0.80055	148.3739	1.09548e-03	0.0%	2	73	1.710
4	4	13	0.80047	148.4124	1.87429e-04	0.0%	2	201	1.712
4	-4	13	0.80047	148.4124	2.26869e-04	0.0%	2	201	1.712
3	19	0.80037	148.4622	9.02324e-04	0.0%	2	811	1.715	
21	3	-19	0.80037	148.4622	7.85294e-04	0.0%	2	811	1.715
-6	4	17	0.80017	148.5638	5.73198e-04	0.0%	2	341	1.721
6	4	-17	0.80017	148.5638	9.29445e-04	0.0%	2	341	1.721
21	3	1	0.80007	148.6137	5.70738e-07	0.0%	2	451	1.724
21	-3	1	0.80007	148.6137	2.73196e-06	0.0%	2	451	1.724
23	3	-2	0.80004	148.6288	3.64396e-05	0.0%	2	542	1.725
3	2	0.80004	148.6288	7.57436e-05	0.0%	2	542	1.725	
4	6	3	0.79975	148.7815	7.10125e-04	0.0%	2	61	1.734
4	-6	3	0.79975	148.7815	6.61604e-04	0.0%	2	61	1.734
-4	2	20	0.79966	148.8246	2.75772e-04	0.0%	2	420	1.737
4	2	-20	0.79966	148.8246	3.83106e-04	0.0%	2	420	1.737
17	5	-4	0.79953	148.8915	2.09463e-03	0.0%	2	330	1.741
5	4	0.79953	148.8915	1.86401e-03	0.0%	2	330	1.741	
14	2	10	0.79945	148.9331	4.39538e-04	0.0%	2	300	1.744
14	-2	10	0.79945	148.9331	4.13663e-04	0.0%	2	300	1.744
22	2	2	0.79943	148.9433	7.50936e-04	0.0%	2	492	1.744
22	-2	2	0.79943	148.9433	6.71459e-04	0.0%	2	492	1.744
23	1	2	0.79908	149.1258	2.55256e-04	0.0%	2	534	1.755
23	-1	2	0.79908	149.1258	2.78260e-04	0.0%	2	534	1.755
8	6	-2	0.79900	149.1663	1.38826e-03	0.0%	2	104	1.758
-8	6	2	0.79900	149.1663	1.41863e-03	0.0%	2	104	1.758
0	4	15	0.79891	149.2137	1.39354e-03	0.0%	2	241	1.761
0	4	-15	0.79891	149.2137	4.73150e-04	0.0%	2	241	1.761
8	6	-5	0.79857	149.3920	1.66357e-03	0.0%	2	125	1.772
-8	6	5	0.79857	149.3920	1.68589e-03	0.0%	2	125	1.772
10	2	13	0.79844	149.4601	1.76481e-04	0.0%	2	273	1.777
10	-2	13	0.79844	149.4601	1.84232e-04	0.0%	2	273	1.777
-9	5	14	0.79804	149.6711	8.65294e-04	0.0%	2	302	1.790
9	5	-14	0.79804	149.6711	9.78202e-04	0.0%	2	302	1.790
25	3	-6	0.79769	149.8553	2.69488e-03	0.0%	2	670	1.802
3	6	0.79769	149.8553	2.58089e-03	0.0%	2	670	1.802	
5	14	0.79725	150.0915	1.65864e-03	0.0%	2	342	1.818	
11	5	-14	0.79725	150.0915	2.19502e-03	0.0%	2	342	1.818

-5	3	19	0.79709	150.1781	1.30248e-03	0.0%	2	395	1.824
5	3	-19	0.79709	150.1781	9.74412e-04	0.0%	2	395	1.824
15	5	0	0.79672	150.3815	7.53970e-04	0.0%	4	250	1.837
4	17	0.79664	150.4225	9.11925e-04	0.0%	2	629	1.840	
18	4	-17	0.79664	150.4225	1.25778e-03	0.0%	2	629	1.840
17	5	-11	0.79648	150.5096	1.43858e-03	0.0%	2	435	1.846
5	11	0.79648	150.5096	2.06308e-03	0.0%	2	435	1.846	
-9	3	20	0.79629	150.6131	1.83889e-03	0.0%	2	490	1.853
9	3	-20	0.79629	150.6131	2.69094e-03	0.0%	2	490	1.853
4	18	0.79589	150.8344	1.60945e-03	0.0%	2	484	1.869	
12	4	-18	0.79589	150.8344	1.90645e-03	0.0%	2	484	1.869
2	20	0.79580	150.8862	3.69094e-03	0.0%	2	980	1.872	
24	2	-20	0.79580	150.8862	3.79025e-03	0.0%	2	980	1.872
6	4	12	0.79572	150.9278	6.22082e-04	0.0%	2	196	1.875
6	-4	12	0.79572	150.9278	1.66379e-03	0.0%	2	196	1.875
23	3	-18	0.79553	151.0343	7.87095e-04	0.0%	2	862	1.883
3	18	0.79553	151.0343	8.87638e-04	0.0%	2	862	1.883	
8	6	-1	0.79498	151.3429	7.19104e-04	0.0%	2	101	1.905
-8	6	1	0.79498	151.3429	9.75405e-04	0.0%	2	101	1.905
5	13	0.79493	151.3729	1.83197e-03	0.0%	2	419	1.907	
15	5	-13	0.79493	151.3729	1.78491e-03	0.0%	2	419	1.907
-3	5	13	0.79488	151.3976	2.48256e-03	0.0%	2	203	1.909
3	5	-13	0.79488	151.3976	1.86558e-03	0.0%	2	203	1.909
4	18	0.79452	151.6033	1.71210e-03	0.0%	2	536	1.924	
14	4	-18	0.79452	151.6033	1.87381e-03	0.0%	2	536	1.924
4	16	0.79451	151.6112	1.75645e-04	0.0%	2	672	1.924	
20	4	-16	0.79451	151.6112	1.74435e-04	0.0%	2	672	1.924
3	20	0.79438	151.6857	3.14238e-03	0.0%	2	770	1.930	
19	3	-20	0.79438	151.6857	2.70867e-03	0.0%	2	770	1.930
14	4	6	0.79429	151.7366	1.17662e-03	0.0%	2	248	1.934
14	-4	6	0.79429	151.7366	9.07696e-04	0.0%	2	248	1.934
16	4	4	0.79428	151.7389	2.98930e-04	0.0%	2	288	1.934
16	-4	4	0.79428	151.7389	7.44695e-05	0.0%	2	288	1.934
8	6	-6	0.79427	151.7462	4.23588e-04	0.0%	2	136	1.934
-8	6	6	0.79427	151.7462	3.52334e-04	0.0%	2	136	1.934
3	1	18	0.79408	151.8542	4.00822e-05	0.0%	2	334	1.942
3	-1	18	0.79408	151.8542	5.91153e-05	0.0%	2	334	1.942
-4	6	7	0.79383	152.0001	2.10273e-03	0.0%	2	101	1.953
4	6	-7	0.79383	152.0001	2.12653e-03	0.0%	2	101	1.953

-7	5	14	0.79369	152.0840	2.52010e-03	0.0%	2	270	1.960
7	5	-14	0.79369	152.0840	2.21275e-03	0.0%	2	270	1.960
7	5	8	0.79358	152.1460	7.08875e-05	0.0%	2	138	1.964
7	-5	8	0.79358	152.1460	1.53674e-04	0.0%	2	138	1.964
-6	6	7	0.79344	152.2256	1.18044e-03	0.0%	2	121	1.971
6	6	-7	0.79344	152.2256	1.12738e-03	0.0%	2	121	1.971
22	4	-5	0.79331	152.3045	5.36903e-04	0.0%	2	525	1.977
4	5	0.79331	152.3045	4.16548e-04	0.0%	2	525	1.977	
20	0	6	0.79303	152.4691	6.19767e-07	0.0%	2	436	1.989
0	6	6	0.79269	152.6681	1.57670e-03	0.0%	2	72	2.005
0	6	-6	0.79269	152.6681	1.32355e-03	0.0%	2	72	2.005
-2	4	16	0.79266	152.6843	9.95371e-04	0.0%	2	276	2.006
2	4	-16	0.79266	152.6843	1.34807e-03	0.0%	2	276	2.006
2	6	5	0.79263	152.7019	1.00803e-03	0.0%	2	65	2.008
2	-6	5	0.79263	152.7019	9.41446e-04	0.0%	2	65	2.008
5	1	17	0.79254	152.7576	5.51443e-04	0.0%	2	315	2.012
5	-1	17	0.79254	152.7576	5.17368e-04	0.0%	2	315	2.012
11	3	11	0.79220	152.9648	5.29184e-04	0.0%	2	251	2.029
11	-3	11	0.79220	152.9648	5.83624e-04	0.0%	2	251	2.029
4	18	0.79215	152.9903	9.95693e-04	0.0%	2	440	2.031	
10	4	-18	0.79215	152.9903	1.02366e-03	0.0%	2	440	2.031
22	4	-14	0.79213	153.0059	1.65560e-03	0.0%	2	696	2.032
4	14	0.79213	153.0059	1.92780e-03	0.0%	2	696	2.032	
20	4	-1	0.79210	153.0223	4.28099e-04	0.0%	2	417	2.034
4	1	0.79210	153.0223	2.71661e-04	0.0%	2	417	2.034	
6	6	2	0.79209	153.0295	4.28857e-04	0.0%	2	76	2.034
6	-6	2	0.79209	153.0295	5.26397e-04	0.0%	2	76	2.034
1	1	19	0.79201	153.0769	2.53757e-04	0.0%	2	363	2.038
1	-1	19	0.79201	153.0769	2.76262e-04	0.0%	2	363	2.038
25	3	-16	0.79197	153.1030	5.63379e-04	0.0%	2	890	2.040
3	16	0.79197	153.1030	4.63032e-04	0.0%	2	890	2.040	
17	5	-3	0.79168	153.2770	1.34188e-03	0.0%	2	323	2.055
5	3	0.79168	153.2770	1.21085e-03	0.0%	2	323	2.055	
18	0	8	0.79148	153.4018	5.31595e-06	0.0%	2	388	2.065
5	14	0.79137	153.4676	7.99719e-04	0.0%	2	390	2.071	
13	5	-14	0.79137	153.4676	1.10252e-03	0.0%	2	390	2.071
17	3	6	0.78940	154.7087	2.73481e-04	0.0%	2	334	2.180
17	-3	6	0.78940	154.7087	4.67464e-04	0.0%	2	334	2.180
-2	6	7	0.78916	154.8615	1.53297e-03	0.0%	2	89	2.194
2	6	-7	0.78916	154.8615	1.51145e-03	0.0%	2	89	2.194

3	3	16	0.78913	154.8815	3.72592e-04	0.0%	2	274	2.196
3	-3	16	0.78913	154.8815	8.83864e-04	0.0%	2	274	2.196
4	6	4	0.78900	154.9713	1.70895e-03	0.0%	2	68	2.205
4	-6	4	0.78900	154.9713	1.64988e-03	0.0%	2	68	2.205
8	6	0	0.78899	154.9734	5.23817e-04	0.0%	4	100	2.205
11	5	5	0.78876	155.1271	4.70722e-04	0.0%	2	171	2.219
11	-5	5	0.78876	155.1271	1.74293e-04	0.0%	2	171	2.219
13	5	3	0.78875	155.1292	2.21690e-04	0.0%	2	203	2.219
13	-5	3	0.78875	155.1292	2.71375e-04	0.0%	2	203	2.219
22	0	4	0.78838	155.3788	3.08132e-05	0.0%	2	500	2.244
4	18	0.78812	155.5487	1.58860e-03	0.0%	2	596	2.260	
16	4	-18	0.78812	155.5487	1.80830e-03	0.0%	2	596	2.260
12	4	8	0.78809	155.5728	2.25748e-06	0.0%	2	224	2.263
12	-4	8	0.78809	155.5728	4.80605e-05	0.0%	2	224	2.263
18	4	2	0.78808	155.5808	2.48718e-04	0.0%	2	344	2.263
18	-4	2	0.78808	155.5808	5.03205e-04	0.0%	2	344	2.263
-8	6	7	0.78802	155.6171	2.14155e-03	0.0%	2	149	2.267
8	6	-7	0.78802	155.6171	2.31341e-03	0.0%	2	149	2.267
17	5	-12	0.78788	155.7147	1.38062e-03	0.0%	2	458	2.277
5	12	0.78788	155.7147	1.36998e-03	0.0%	2	458	2.277	
1	3	17	0.78767	155.8562	1.85852e-04	0.0%	2	299	2.291
1	-3	17	0.78767	155.8562	3.76707e-04	0.0%	2	299	2.291
12	0	13	0.78762	155.8915	5.94250e-05	0.0%	2	313	2.295
8	4	11	0.78749	155.9751	6.37746e-04	0.0%	2	201	2.303
8	-4	11	0.78749	155.9751	3.97015e-04	0.0%	2	201	2.303
7	1	16	0.78745	156.0074	3.07786e-05	0.0%	2	306	2.306
7	-1	16	0.78745	156.0074	3.14046e-05	0.0%	2	306	2.306
13	1	12	0.78738	156.0518	5.41432e-04	0.0%	2	314	2.311
13	-1	12	0.78738	156.0518	4.55554e-04	0.0%	2	314	2.311
19	3	4	0.78709	156.2508	7.83997e-05	0.0%	2	386	2.332
19	-3	4	0.78709	156.2508	3.43255e-04	0.0%	2	386	2.332
5	3	15	0.78705	156.2818	4.91482e-04	0.0%	2	259	2.335
5	-3	15	0.78705	156.2818	8.56183e-04	0.0%	2	259	2.335
25	3	-5	0.78701	156.3093	5.70492e-04	0.0%	2	659	2.338
3	5	0.78701	156.3093	6.14430e-04	0.0%	2	659	2.338	
-1	1	20	0.78640	156.7328	9.43565e-04	0.0%	2	402	2.383
1	1	-20	0.78640	156.7328	8.80991e-04	0.0%	2	402	2.383
15	3	8	0.78558	157.3247	7.39205e-04	0.0%	2	298	2.449
15	-3	8	0.78558	157.3247	4.92047e-04	0.0%	2	298	2.449
10	6	-4	0.78500	157.7513	9.70320e-05	0.0%	2	152	2.499
6	4	0.78500	157.7513	2.96785e-04	0.0%	2	152	2.499	
10	6	-5	0.78458	158.0649	4.23623e-03	0.0%	2	161	2.537

6	5	0.78458	158.0649	4.38892e-03	0.0%	2	161	2.537	
-5	5	14	0.78444	158.1721	5.56298e-03	0.1%	2	246	2.550
5	5	-14	0.78444	158.1721	3.75453e-03	0.0%	2	246	2.550
4	0	18	0.78396	158.5398	3.56390e-07	0.0%	2	340	2.596
12	2	12	0.78392	158.5690	5.77397e-04	0.0%	2	292	2.600
12	-2	12	0.78392	158.5690	5.03087e-04	0.0%	2	292	2.600
24	2	0	0.78389	158.5909	1.00584e-03	0.0%	4	580	2.602
16	0	10	0.78383	158.6386	2.64280e-04	0.0%	2	356	2.608
2	0	19	0.78356	158.8493	1.14211e-05	0.0%	2	365	2.636
-8	4	18	0.78352	158.8789	1.24004e-03	0.0%	2	404	2.640
8	4	-18	0.78352	158.8789	1.70529e-03	0.0%	2	404	2.640
-6	6	8	0.78351	158.8863	1.50531e-03	0.0%	2	136	2.641
6	6	-8	0.78351	158.8863	1.74644e-03	0.0%	2	136	2.641
10	6	-3	0.78343	158.9472	2.69150e-03	0.0%	2	145	2.649
6	3	0.78343	158.9472	3.11706e-03	0.0%	2	145	2.649	
4	2	17	0.78339	158.9788	5.14852e-04	0.0%	2	309	2.653
4	-2	17	0.78339	158.9788	6.01239e-04	0.0%	2	309	2.653
22	4	-4	0.78336	159.0032	1.88438e-03	0.0%	2	516	2.656
4	4	0.78336	159.0032	1.34549e-03	0.0%	2	516	2.656	
2	2	18	0.78328	159.0708	4.54595e-04	0.0%	2	332	2.665
2	-2	18	0.78328	159.0708	5.53699e-04	0.0%	2	332	2.665
19	1	7	0.78322	159.1192	1.82957e-04	0.0%	2	411	2.672
19	-1	7	0.78322	159.1192	1.79612e-04	0.0%	2	411	2.672
-4	4	17	0.78306	159.2433	3.19810e-03	0.0%	2	321	2.688
4	4	-17	0.78306	159.2433	2.84588e-03	0.0%	2	321	2.688
23	3	-1	0.78299	159.3002	2.56867e-04	0.0%	2	539	2.696
3	1	0.78299	159.3002	2.90418e-04	0.0%	2	539	2.696	
18	2	7	0.78289	159.3795	5.54442e-04	0.0%	2	377	2.707
18	-2	7	0.78289	159.3795	7.59380e-04	0.0%	2	377	2.707
25	1	0	0.78281	159.4478	2.21980e-03	0.0%	4	626	2.717
-1	3	18	0.78272	159.5216	1.38656e-03	0.0%	2	334	2.727
1	3	-18	0.78272	159.5216	1.03854e-03	0.0%	2	334	2.727
9	5	7	0.78269	159.5462	2.87643e-03	0.0%	2	155	2.730
9	-5	7	0.78269	159.5462	1.72945e-03	0.0%	2	155	2.730
15	5	1	0.78268	159.5537	2.58307e-04	0.0%	2	251	2.731
15	-5	1	0.78268	159.5537	3.64591e-04	0.0%	2	251	2.731
-4	6	8	0.78219	159.9506	2.61860e-03	0.0%	2	116	2.788
4	6	-8	0.78219	159.9506	2.79146e-03	0.0%	2	116	2.788
10	6	-6	0.78219	159.9552	8.98514e-04	0.0%	2	172	2.789
6	6	0.78219	159.9552	1.12718e-03	0.0%	2	172	2.789	
20	2	5	0.78214	159.9969	2.41098e-04	0.0%	2	429	2.795
20	-2	5	0.78214	159.9969	3.72662e-04	0.0%	2	429	2.795

17	5	-2	0.78208	160.0433	1.76229e-03	0.0%	2	318	2.802
5	2	0.78208	160.0433	2.10209e-03	0.0%	2	318	2.802	
22	4	-15	0.78198	160.1311	4.77169e-04	0.0%	2	725	2.815
4	15	0.78198	160.1311	8.68136e-05	0.0%	2	725	2.815	
6	6	3	0.78192	160.1782	1.20001e-03	0.0%	2	81	2.822
6	-6	3	0.78192	160.1782	1.34262e-03	0.0%	2	81	2.822
21	1	5	0.78171	160.3528	4.31495e-04	0.0%	2	467	2.848
21	-1	5	0.78171	160.3528	3.58742e-04	0.0%	2	467	2.848
-7	3	20	0.78166	160.3984	1.73917e-03	0.0%	2	458	2.855
7	3	-20	0.78166	160.3984	2.64271e-03	0.0%	2	458	2.855
7	3	14	0.78150	160.5324	2.24371e-04	0.0%	2	254	2.875
7	-3	14	0.78150	160.5324	2.39673e-04	0.0%	2	254	2.875
8	6	1	0.78117	160.8175	1.84191e-03	0.0%	2	101	2.920
8	-6	1	0.78117	160.8175	2.35550e-03	0.0%	2	101	2.920
3	5	11	0.78104	160.9296	3.23162e-03	0.0%	2	155	2.938
3	-5	11	0.78104	160.9296	3.93305e-03	0.0%	2	155	2.938
1	5	12	0.78101	160.9563	9.32234e-04	0.0%	2	170	2.942
1	-5	12	0.78101	160.9563	1.10335e-03	0.0%	2	170	2.942
6	0	17	0.78088	161.0676	5.68275e-03	0.1%	2	325	2.960
5	14	0.78072	161.2120	1.00907e-04	0.0%	2	446	2.984	
15	5	-14	0.78072	161.2120	2.73667e-04	0.0%	2	446	2.984
25	3	-17	0.78042	161.4780	2.19857e-03	0.0%	2	923	3.029
3	17	0.78042	161.4780	2.14952e-03	0.0%	2	923	3.029	
6	2	16	0.78005	161.8171	4.30379e-04	0.0%	2	296	3.087
6	-2	16	0.78005	161.8171	2.57793e-04	0.0%	2	296	3.087
-8	6	8	0.77996	161.8996	1.33073e-03	0.0%	2	164	3.102
8	6	-8	0.77996	161.8996	1.24812e-03	0.0%	2	164	3.102
2	6	6	0.77993	161.9300	1.84592e-03	0.0%	2	76	3.107
2	-6	6	0.77993	161.9300	1.39176e-03	0.0%	2	76	3.107
10	6	-2	0.77992	161.9357	6.06447e-04	0.0%	2	140	3.108
6	2	0.77992	161.9357	9.52408e-04	0.0%	2	140	3.108	
0	0	20	0.77970	162.1364	5.94107e-04	0.0%	2	400	3.145
0	2	19	0.77970	162.1365	1.85889e-03	0.0%	2	365	3.145
0	2	-19	0.77970	162.1365	2.00281e-03	0.0%	2	365	3.145
0	6	7	0.77970	162.1374	2.30803e-03	0.0%	2	85	3.145
0	6	-7	0.77970	162.1374	1.46180e-03	0.0%	2	85	3.145
3	20	0.77913	162.6874	6.60794e-03	0.1%	2	850	3.249	
21	3	-20	0.77913	162.6874	6.66092e-03	0.1%	2	850	3.249
9	1	15	0.77900	162.8063	1.43974e-04	0.0%	2	307	3.272
9	-1	15	0.77900	162.8063	2.00745e-04	0.0%	2	307	3.272
21	3	2	0.77882	162.9821	1.12828e-03	0.0%	2	454	3.307

21	-3	2	0.77882	162.9821	1.44652e-03	0.0%	2	454	3.307
19	5	-8	0.77879	163.0176	9.75713e-05	0.0%	2	450	3.314
5	8	0.77879	163.0176	9.89653e-06	0.0%	2	450	3.314	
17	1	9	0.77875	163.0568	1.45989e-03	0.0%	2	371	3.322
17	-1	9	0.77875	163.0568	1.35272e-03	0.0%	2	371	3.322
4	17	0.77866	163.1468	4.49034e-03	0.0%	2	705	3.340	
20	4	-17	0.77866	163.1468	4.53252e-03	0.0%	2	705	3.340
3	19	0.77823	163.5726	3.64681e-03	0.0%	2	899	3.430	
23	3	-19	0.77823	163.5726	3.10226e-03	0.0%	2	899	3.430
19	5	-9	0.77811	163.7025	1.65819e-03	0.0%	2	467	3.458
5	9	0.77811	163.7025	1.44830e-03	0.0%	2	467	3.458	
10	6	-7	0.77787	163.9459	1.53772e-03	0.0%	2	185	3.512
6	7	0.77787	163.9459	1.20758e-03	0.0%	2	185	3.512	
24	0	2	0.77785	163.9723	7.41073e-04	0.0%	2	580	3.518
16	2	9	0.77769	164.1375	6.43229e-04	0.0%	2	341	3.556
16	-2	9	0.77769	164.1375	1.11730e-03	0.0%	2	341	3.556
5	5	10	0.77764	164.1875	6.36146e-04	0.0%	2	150	3.568
5	-5	10	0.77764	164.1875	2.52778e-04	0.0%	2	150	3.568
5	15	0.77762	164.2141	2.17055e-03	0.0%	2	371	3.574	
11	5	-15	0.77762	164.2141	2.77523e-03	0.0%	2	371	3.574
17	5	-13	0.77761	164.2255	3.99350e-03	0.0%	2	483	3.576
5	13	0.77761	164.2255	4.01090e-03	0.0%	2	483	3.576	
-1	5	13	0.77755	164.2837	3.65284e-03	0.0%	2	195	3.590
1	5	-13	0.77755	164.2837	4.37860e-03	0.0%	2	195	3.590
19	5	-7	0.77753	164.3082	3.23525e-03	0.0%	2	435	3.596
5	7	0.77753	164.3082	3.12428e-03	0.0%	2	435	3.596	
4	18	0.77705	164.8244	3.19474e-03	0.0%	2	664	3.722	
18	4	-18	0.77705	164.8244	3.41435e-03	0.0%	2	664	3.722
4	6	5	0.77673	165.1845	1.23910e-03	0.0%	2	77	3.815
4	-6	5	0.77673	165.1845	1.41429e-03	0.0%	2	77	3.815
-9	5	15	0.77669	165.2339	5.50874e-03	0.1%	2	331	3.828
9	5	-15	0.77669	165.2339	6.65141e-03	0.1%	2	331	3.828
10	4	10	0.77611	165.9116	2.87500e-03	0.0%	2	216	4.017
10	-4	10	0.77611	165.9116	1.95170e-03	0.0%	2	216	4.017
20	4	0	0.77609	165.9343	8.71674e-04	0.0%	4	416	4.023
-2	6	8	0.77607	165.9547	2.54474e-03	0.0%	2	104	4.029
2	6	-8	0.77607	165.9547	2.40245e-03	0.0%	2	104	4.029
13	3	10	0.77590	166.1649	8.05571e-04	0.0%	2	278	4.092
13	-3	10	0.77590	166.1649	4.91212e-04	0.0%	2	278	4.092

19	5	-10	0.77550	166.6553	1.38195e-03	0.0%	2	486	4.246
5	10	0.77550	166.6553	6.88525e-04	0.0%	2	486	4.246	
22	2	3	0.77547	166.6904	1.54283e-04	0.0%	2	497	4.257
22	-2	3	0.77547	166.6904	1.81771e-04	0.0%	2	497	4.257
25	3	-4	0.77482	167.5422	1.15460e-04	0.0%	2	650	4.555
3	4	0.77482	167.5422	2.28303e-04	0.0%	2	650	4.555	
10	6	-1	0.77454	167.9395	2.13349e-03	0.0%	2	137	4.708
6	1	0.77454	167.9395	3.09187e-03	0.0%	2	137	4.708	
-3	3	19	0.77447	168.0363	3.66367e-03	0.0%	2	379	4.746
3	3	-19	0.77447	168.0363	1.89274e-03	0.0%	2	379	4.746
8	0	16	0.77446	168.0489	2.86928e-04	0.0%	2	320	4.751
19	5	-6	0.77436	168.1882	3.22076e-04	0.0%	2	422	4.808
5	6	0.77436	168.1882	3.90107e-04	0.0%	2	422	4.808	
23	1	3	0.77433	168.2272	1.27710e-03	0.0%	2	539	4.825
23	-1	3	0.77433	168.2272	1.34737e-03	0.0%	2	539	4.825
5	15	0.77378	169.0438	5.92690e-03	0.1%	2	419	5.190	
13	5	-15	0.77378	169.0438	6.73650e-03	0.1%	2	419	5.190
8	2	15	0.77337	169.6970	1.08491e-03	0.0%	2	293	5.524
8	-2	15	0.77337	169.6970	6.53422e-04	0.0%	2	293	5.524
24	4	-10	0.77310	170.1567	7.16394e-04	0.0%	2	692	5.785
4	10	0.77310	170.1567	2.16800e-03	0.0%	2	692	5.785	
-2	2	20	0.77281	170.6626	1.06868e-03	0.0%	2	408	6.103
2	2	-20	0.77281	170.6626	1.12946e-03	0.0%	2	408	6.103
24	4	-11	0.77271	170.8556	5.80569e-03	0.1%	2	713	6.233
4	11	0.77271	170.8556	5.88387e-03	0.1%	2	713	6.233	
9	3	13	0.77270	170.8653	8.57024e-04	0.0%	2	259	6.239
9	-3	13	0.77270	170.8653	1.23887e-04	0.0%	2	259	6.239
-6	6	9	0.77205	172.1816	3.85251e-03	0.0%	2	153	7.300
6	6	-9	0.77205	172.1816	4.18483e-03	0.0%	2	153	7.300
22	4	-3	0.77189	172.5370	2.49228e-03	0.0%	2	509	7.650
4	3	0.77189	172.5370	1.76177e-03	0.0%	2	509	7.650	
16	4	5	0.77186	172.6066	6.69775e-04	0.0%	2	297	7.723
16	-4	5	0.77186	172.6066	2.87990e-04	0.0%	2	297	7.723
6	8	0.77173	172.9019	6.91610e-03	0.1%	2	200	8.046	
10	6	-8	0.77173	172.9019	6.97450e-03	0.1%	2	200	8.046
8	6	2	0.77168	173.0256	1.98998e-03	0.0%	2	104	8.190
8	-6	2	0.77168	173.0256	3.03121e-03	0.0%	2	104	8.190
24	4	-9	0.77160	173.2291	3.14214e-03	0.0%	2	673	8.438
4	9	0.77	173.2291	1.67853e-03	0.0%	2	673	8.438	

		160							
13	5	4	0.77105	174.7648	8.18509e-03	0.1%	2	210	10.925
13	-5	4	0.77105	174.7648	7.79298e-03	0.1%	2	210	10.925
-7	5	15	0.77105	174.7717	5.33020e-03	0.1%	2	299	10.940
7	5	-15	0.77105	174.7717	6.11404e-03	0.1%	2	299	10.940
19	5	-11	0.77103	174.8352	1.56178e-03	0.0%	2	507	11.075
5	11	0.77103	174.8352	7.28796e-04	0.0%	2	507	11.075	
7	5	9	0.77095	175.1312	3.69385e-03	0.0%	2	155	11.750
7	-5	9	0.77095	175.1312	1.87284e-03	0.0%	2	155	11.750
17	5	-1	0.77093	175.1836	9.03236e-03	0.1%	2	315	11.879
5	1	0.77093	175.1836	1.22657e-02	0.1%	2	315	11.879	
2	4	15	0.77088	175.3729	2.35167e-03	0.0%	2	245	12.366
2	-4	15	0.77088	175.3729	2.53089e-03	0.0%	2	245	12.366
-3	5	14	0.77080	175.6745	7.82275e-03	0.1%	2	230	13.230
3	5	-14	0.77080	175.6745	4.35425e-03	0.0%	2	230	13.230
14	0	12	0.77060	176.5248	1.51511e-04	0.0%	2	340	16.474
-6	4	18	0.77046	177.2985	1.66798e-02	0.2%	2	376	21.199
6	4	-18	0.77046	177.2985	1.68533e-02	0.2%	2	376	21.199
24	4	-12	0.77043	177.5188	3.93345e-03	0.0%	2	736	23.082
4	12	0.77043	177.5188	7.58408e-03	0.1%	2	736	23.082	
22	4	-16	0.77032	178.4866	2.13670e-02	0.2%	2	756	37.855
4	16	0.77032	178.4866	1.93060e-02	0.2%	2	756	37.855	
-8	6	9	0.77025	179.6283	6.87593e-02	0.7%	2	181	154.125
8	6	-9	0.77025	179.6283	7.54797e-02	0.8%	2	181	154.125

Reflexions list for **1**·$HgCl_2$ generated by CrystalDiffract 6 for OsX from single-crystal data

h	k	l	d(hkl)	2-Theta	Intensity	I/Imax	m	N	Lp
0	0	1	15.12989	5.8363	1.97884e-02	0.1%	2	1	192.172
2	0	-1	11.74303	7.5217	1.67426e+01	100.0%	2	5	115.469
2	0	0	9.76074	9.0522	1.62586e+01	97.1%	2	4	79.546
2	0	-2	8.85821	9.9767	4.60365e+00	27.5%	2	8	65.385
0	0	2	7.56495	11.6878	2.52835e+00	15.1%	2	4	47.487
2	0	1	6.66997	13.2627	3.88434e+00	23.2%	2	5	36.753
2	0	-3	6.08881	14.5351	1.10685e+00	6.6%	2	13	30.505
4	0	-2	5.87151	15.0761	9.30888e-02	0.6%	2	20	28.316
4	0	-1	5.66798	15.6208	1.46541e+00	8.8%	2	17	26.337
4	0	-3	5.29827	16.7183	1.07590e+00	6.4%	2	25	22.923
0	0	3	5.04330	17.5700	2.37475e+00	14.2%	2	9	20.702
4	0	0	4.88037	18.1615	8.64171e-01	5.2%	2	16	19.340
1	1	0	4.82782	18.3608	1.70034e+00	10.2%	4	2	18.911
2	0	2	4.81147	18.4238	2.32181e-03	0.0%	2	8	18.778
-1	1	1	4.79651	18.4817	1.73343e+00	10.4%	2	3	18.657
1	1	-1	4.79651	18.4817	1.74203e+00	10.4%	2	3	18.657
2	0	-4	4.47484	19.8232	6.12114e-01	3.7%	2	20	16.146
4	0	-4	4.42911	20.0301	8.72322e-01	5.2%	2	32	15.804
1	1	1	4.42465	20.0504	4.87974e-01	2.9%	2	3	15.770
1	-1	1	4.42465	20.0504	5.01742e-01	3.0%	2	3	15.770
-1	1	2	4.35339	20.3821	7.99417e-01	4.8%	2	6	15.244
1	1	-2	4.35339	20.3821	8.01849e-01	4.8%	2	6	15.244
3	1	-1	4.19423	21.1643	1.16840e-01	0.7%	2	11	14.099
-3	1	1	4.19423	21.1643	1.18655e-01	0.7%	2	11	14.099
3	1	-2	4.13339	21.4795	1.41270e+00	8.4%	2	14	13.673
-3	1	2	4.13339	21.4795	1.41781e+00	8.5%	2	14	13.673
4	0	1	4.02979	22.0386	6.40701e-01	3.8%	2	17	12.961
3	1	0	3.95605	22.4546	1.70838e+00	10.2%	4	10	12.466
6	0	-3	3.91434	22.6970	3.83509e-05	0.0%	2	45	12.190
6	0	-2	3.88479	22.8720	4.82669e-01	2.9%	2	40	11.996
1	1	2	3.83509	23.1725	4.20643e-01	2.5%	2	6	11.673
1	-1	2	3.83509	23.1725	4.15712e-01	2.5%	2	6	11.673
-3	1	3	3.80820	23.3384	1.27480e+00	7.6%	2	19	11.501
3	1	-3	3.80820	23.3384	1.25709e+00	7.5%	2	19	11.501
0	0	4	3.78247	23.4994	2.19665e-02	0.1%	2	16	11.337
-1	1	3	3.75822	23.6533	2.17037e+00	13.0%	2	11	11.183
1	1	-3	3.75822	23.6533	2.15423e+00	12.9%	2	11	11.183
2	0	3	3.71003	23.9650	3.91650e-01	2.3%	2	13	10.880
6	0	-4	3.70103	24.0242	5.61223e-01	3.4%	2	52	10.824
4	0	-5	3.64987	24.3660	4.07946e-01	2.4%	2	41	10.508
6	0	-1	3.62748	24.5187	3.27526e-01	2.0%	2	37	10.371

3	1	1	3.54253	25.1162	1.10998e-01	0.7%	2	11	9.859
3	-1	1	3.54253	25.1162	1.12024e-01	0.7%	2	11	9.859
2	0	-5	3.49979	25.4280	9.61609e-01	5.7%	2	29	9.607
5	1	-2	3.42413	25.9996	4.38668e-02	0.3%	2	30	9.167
-5	1	2	3.42413	25.9996	4.52417e-02	0.3%	2	30	9.167
5	1	-3	3.36909	26.4320	7.26111e-01	4.3%	2	35	8.853
-5	1	3	3.36909	26.4320	7.22589e-01	4.3%	2	35	8.853
-3	1	4	3.36882	26.4341	9.90301e-01	5.9%	2	26	8.851
3	1	-4	3.36882	26.4341	9.88853e-01	5.9%	2	26	8.851
6	0	-5	3.34296	26.6424	1.57625e-01	0.9%	2	61	8.706
4	0	2	3.33498	26.7073	8.62422e-03	0.1%	2	20	8.661
5	1	-1	3.31102	26.9042	3.55059e-01	2.1%	2	27	8.527
-5	1	1	3.31102	26.9042	3.42157e-01	2.0%	2	27	8.527
1	1	3	3.26791	27.2659	9.34376e-01	5.6%	2	11	8.289
1	-1	3	3.26791	27.2659	9.20322e-01	5.5%	2	11	8.289
6	0	0	3.25358	27.3883	1.11810e-01	0.7%	2	36	8.211
-1	1	4	3.20136	27.8440	1.00954e+00	6.0%	2	18	7.928
1	1	-4	3.20136	27.8440	1.00251e+00	6.0%	2	18	7.928
-5	1	4	3.16788	28.1443	2.78635e-01	1.7%	2	42	7.749
5	1	-4	3.16788	28.1443	2.78592e-01	1.7%	2	42	7.749
3	1	2	3.09775	28.7950	2.40704e-01	1.4%	2	14	7.381
3	-1	2	3.09775	28.7950	2.41964e-01	1.4%	2	14	7.381
5	1	0	3.07319	29.0302	4.33779e-01	2.6%	4	26	7.254
4	0	-6	3.04441	29.3108	6.35018e-01	3.8%	2	52	7.106
0	0	5	3.02598	29.4933	4.13188e-01	2.5%	2	25	7.013
2	0	4	3.00362	29.7180	4.71061e-02	0.3%	2	20	6.900
6	0	-6	2.95274	30.2422	2.32770e-01	1.4%	2	72	6.646
8	0	-3	2.93737	30.4042	7.06469e-01	4.2%	2	73	6.570
-3	1	5	2.93597	30.4190	4.71128e-01	2.8%	2	35	6.563
3	1	-5	2.93597	30.4190	4.83428e-01	2.9%	2	35	6.563
8	0	-4	2.93576	30.4213	7.32339e-02	0.4%	2	80	6.562
-5	1	5	2.88759	30.9413	3.69566e-01	2.2%	2	51	6.328
5	1	-5	2.88759	30.9413	3.73189e-01	2.2%	2	51	6.328
6	0	1	2.86683	31.1711	2.61969e-01	1.6%	2	37	6.228
2	0	-6	2.86202	31.2248	1.74535e-01	1.0%	2	40	6.205
8	0	-2	2.83399	31.5416	1.01875e-01	0.6%	2	68	6.071
8	0	-5	2.82966	31.5912	1.07391e-01	0.6%	2	89	6.051
4	0	3	2.80630	31.8611	3.60354e-01	2.2%	2	25	5.941
1	1	4	2.79481	31.9956	1.97278e-01	1.2%	2	18	5.887
1	-1	4	2.79481	31.9956	1.81500e-01	1.1%	2	18	5.887
7	1	-3	2.79248	32.0229	1.80773e-02	0.1%	2	59	5.876
-7	1	3	2.79248	32.0229	1.63448e-02	0.1%	2	59	5.876
5	1	1	2.78119	32.1565	1.39753e-01	0.8%	2	27	5.823
5	-1	1	2.78119	32.1565	1.39905e-01	0.8%	2	27	5.823
7	1	-4	2.75062	32.5238	1.92946e-01	1.2%	2	66	5.682
-7	1	4	2.75062	32.5238	1.84867e-01	1.1%	2	66	5.682

7	1	-2	2.74161	32.6336	3.47419e-01	2.1%	2	54	5.641
-7	1	2	2.74161	32.6336	3.40616e-01	2.0%	2	54	5.641
-1	1	5	2.74119	32.6387	8.44132e-02	0.5%	2	27	5.639
1	1	-5	2.74119	32.6387	8.51070e-02	0.5%	2	27	5.639
3	1	3	2.69708	33.1878	2.07278e-01	1.2%	2	19	5.439
3	-1	3	2.69708	33.1878	2.02073e-01	1.2%	2	19	5.439
8	0	-1	2.65507	33.7286	3.05827e-01	1.8%	2	65	5.251
8	0	-6	2.64914	33.8063	1.13291e-01	0.7%	2	100	5.225
7	1	-5	2.62755	34.0925	1.77107e-01	1.1%	2	75	5.130
-7	1	5	2.62755	34.0925	1.75001e-01	1.0%	2	75	5.130
7	1	-1	2.61192	34.3028	1.84300e-01	1.1%	2	51	5.062
-7	1	1	2.61192	34.3028	1.84300e-01	1.1%	2	51	5.062
6	0	-7	2.59371	34.5512	2.51536e-01	1.5%	2	85	4.983
-5	1	6	2.59107	34.5876	2.05240e-01	1.2%	2	62	4.971
5	1	-6	2.59107	34.5876	2.12536e-01	1.3%	2	62	4.971
4	0	-7	2.58667	34.6482	5.74976e-01	3.4%	2	65	4.952
-3	1	6	2.55953	35.0274	2.57467e-01	1.5%	2	46	4.836
3	1	-6	2.55953	35.0274	2.65358e-01	1.6%	2	46	4.836
0	0	6	2.52165	35.5711	8.70320e-03	0.1%	2	36	4.676
6	0	2	2.51882	35.6124	4.75989e-01	2.8%	2	40	4.664
2	0	5	2.51758	35.6304	6.54789e-02	0.4%	2	29	4.659
0	2	0	2.49130	36.0191	3.23679e-01	1.9%	2	4	4.549
5	1	2	2.48898	36.0539	1.78135e-01	1.1%	2	30	4.540
5	-1	2	2.48898	36.0539	1.79797e-01	1.1%	2	30	4.540
0	2	1	2.45820	36.5212	1.26774e-01	0.8%	2	5	4.413
0	2	-1	2.45820	36.5212	1.28672e-01	0.8%	2	5	4.413
-7	1	6	2.45256	36.6082	5.52816e-02	0.3%	2	86	4.390
7	1	-6	2.45256	36.6082	5.60441e-02	0.3%	2	86	4.390
8	0	0	2.44019	36.8004	2.32764e-01	1.4%	2	64	4.340
2	2	-1	2.43706	36.8493	2.15797e-01	1.3%	2	9	4.327
-2	2	1	2.43706	36.8493	2.14660e-01	1.3%	2	9	4.327
8	0	-7	2.43374	36.9013	9.76371e-03	0.1%	2	113	4.314
7	1	0	2.43354	36.9046	2.79907e-01	1.7%	4	50	4.313
1	1	5	2.41721	37.1629	4.76315e-02	0.3%	2	27	4.247
1	-1	5	2.41721	37.1629	4.57705e-02	0.3%	2	27	4.247
2	0	-7	2.41642	37.1755	1.24156e-01	0.7%	2	53	4.244
2	2	0	2.41391	37.2155	2.15403e-01	1.3%	4	8	4.234
4	0	4	2.40573	37.3467	3.23959e-01	1.9%	2	32	4.201
-2	2	2	2.39826	37.4675	1.08525e-01	0.6%	2	12	4.171
2	2	-2	2.39826	37.4675	1.08297e-01	0.6%	2	12	4.171
-1	1	6	2.37470	37.8531	1.43710e-01	0.9%	2	38	4.078
1	1	-6	2.37470	37.8531	1.41929e-01	0.8%	2	38	4.078
0	2	2	2.36629	37.9929	1.70412e-01	1.0%	2	8	4.045
0	2	-2	2.36629	37.9929	1.72427e-01	1.0%	2	8	4.045
3	1	4	2.36050	38.0897	8.75885e-02	0.5%	2	26	4.023
3	-1	4	2.36050	38.0897	8.11889e-02	0.5%	2	26	4.023

10	0	-4	2.35675	38.1526	1.54328e-01	0.9%	2	116	4.008
10	0	-5	2.34861	38.2901	3.65917e-01	2.2%	2	125	3.976
2	2	1	2.33382	38.5422	1.49166e-01	0.9%	2	9	3.919
2	-2	1	2.33382	38.5422	1.46183e-01	0.9%	2	9	3.919
9	1	-4	2.32063	38.7700	1.74600e-01	1.0%	2	98	3.868
-9	1	4	2.32063	38.7700	1.74422e-01	1.0%	2	98	3.868
-5	1	7	2.31429	38.8804	2.26038e-01	1.4%	2	75	3.844
5	1	-7	2.31429	38.8804	2.29768e-01	1.4%	2	75	3.844
10	0	-3	2.30923	38.9691	2.82122e-01	1.7%	2	109	3.824
-2	2	3	2.30576	39.0301	2.14662e-01	1.3%	2	17	3.811
2	2	-3	2.30576	39.0301	2.21224e-01	1.3%	2	17	3.811
9	1	-3	2.29797	39.1678	4.81943e-02	0.3%	2	91	3.781
-9	1	3	2.29797	39.1678	4.85896e-02	0.3%	2	91	3.781
4	2	-2	2.29340	39.2492	2.54604e-01	1.5%	2	24	3.764
-4	2	2	2.29340	39.2492	2.52417e-01	1.5%	2	24	3.764
9	1	-5	2.28966	39.3159	8.25184e-02	0.5%	2	107	3.750
-9	1	5	2.28966	39.3159	7.96440e-02	0.5%	2	107	3.750
10	0	-6	2.28647	39.3730	1.61802e-02	0.1%	2	136	3.738
6	0	-8	2.28614	39.3789	2.33315e-01	1.4%	2	100	3.737
4	2	-1	2.28071	39.4765	5.48349e-02	0.3%	2	21	3.716
-4	2	1	2.28071	39.4765	5.46789e-02	0.3%	2	21	3.716
-7	1	7	2.25650	39.9180	2.12563e-01	1.3%	2	99	3.625
7	1	-7	2.25650	39.9180	2.09485e-01	1.3%	2	99	3.625
4	2	-3	2.25450	39.9548	6.73378e-02	0.4%	2	29	3.618
-4	2	3	2.25450	39.9548	6.84868e-02	0.4%	2	29	3.618
-3	1	7	2.24725	40.0893	1.65030e-01	1.0%	2	59	3.591
3	1	-7	2.24725	40.0893	1.70928e-01	1.0%	2	59	3.591
4	0	-8	2.23742	40.2730	6.52460e-02	0.4%	2	80	3.555
7	1	1	2.23678	40.2851	3.70762e-01	2.2%	2	51	3.552
7	-1	1	2.23678	40.2851	3.77355e-01	2.3%	2	51	3.552
0	2	3	2.23364	40.3442	1.45112e-01	0.9%	2	13	3.541
0	2	-3	2.23364	40.3442	1.46360e-01	0.9%	2	13	3.541
9	1	-2	2.22615	40.4858	2.14961e-01	1.3%	2	86	3.513
-9	1	2	2.22615	40.4858	2.20481e-01	1.3%	2	86	3.513
5	1	3	2.22335	40.5391	9.15636e-02	0.5%	2	35	3.503
5	-1	3	2.22335	40.5391	9.79144e-02	0.6%	2	35	3.503
6	0	3	2.22332	40.5396	7.84656e-02	0.5%	2	45	3.503
8	0	1	2.22079	40.5878	1.11667e-01	0.7%	2	65	3.494
4	2	0	2.21891	40.6237	1.33058e-01	0.8%	4	20	3.487
10	0	-2	2.21539	40.6910	2.13992e-01	1.3%	2	104	3.474
8	0	-8	2.21455	40.7072	1.51202e-01	0.9%	2	128	3.471
2	2	2	2.21233	40.7500	6.92006e-02	0.4%	2	12	3.463
2	-2	2	2.21233	40.7500	6.87485e-02	0.4%	2	12	3.463
9	1	-6	2.21110	40.7736	1.11132e-01	0.7%	2	118	3.458
-9	1	6	2.21110	40.7736	1.13418e-01	0.7%	2	118	3.458
10	0	-7	2.18215	41.3391	1.95270e-02	0.1%	2	149	3.354

-2	2	4	2.17670	41.4474	1.16450e-01	0.7%	2	24	3.334
2	2	-4	2.17670	41.4474	1.17560e-01	0.7%	2	24	3.334
-4	2	4	2.17137	41.5538	1.86986e-01	1.1%	2	36	3.315
4	2	-4	2.17137	41.5538	1.88265e-01	1.1%	2	36	3.315
2	0	6	2.16453	41.6912	8.65215e-02	0.5%	2	40	3.291
0	0	7	2.16141	41.7541	1.03065e-01	0.6%	2	49	3.279
4	2	1	2.11905	42.6292	1.65698e-01	1.0%	2	21	3.131
4	-2	1	2.11905	42.6292	1.62268e-01	1.0%	2	21	3.131
9	1	-1	2.11791	42.6533	1.35737e-01	0.8%	2	83	3.127
-9	1	1	2.11791	42.6533	1.43677e-01	0.9%	2	83	3.127
1	1	6	2.11758	42.6602	1.33118e-01	0.8%	2	38	3.125
1	-1	6	2.11758	42.6602	1.26386e-01	0.8%	2	38	3.125
6	2	-3	2.10173	42.9979	5.16678e-02	0.3%	2	49	3.071
-6	2	3	2.10173	42.9979	5.34977e-02	0.3%	2	49	3.071
-9	1	7	2.09854	43.0665	7.86688e-02	0.5%	2	131	3.060
9	1	-7	2.09854	43.0665	7.74865e-02	0.5%	2	131	3.060
4	0	5	2.09737	43.0917	1.12071e-02	0.1%	2	41	3.056
6	2	-2	2.09712	43.0972	1.29392e-01	0.8%	2	44	3.055
-6	2	2	2.09712	43.0972	1.28763e-01	0.8%	2	44	3.055
10	0	-1	2.09102	43.2292	1.30112e-01	0.8%	2	101	3.034
2	0	-8	2.08890	43.2752	1.34854e-01	0.8%	2	68	3.027
3	1	5	2.08421	43.3775	1.15397e-01	0.7%	2	35	3.011
3	-1	5	2.08421	43.3775	1.10766e-01	0.7%	2	35	3.011
-1	1	7	2.08373	43.3881	6.73172e-02	0.4%	2	51	3.009
1	1	-7	2.08373	43.3881	6.53067e-02	0.4%	2	51	3.009
0	2	4	2.08056	43.4575	6.00428e-02	0.4%	2	20	2.998
0	2	-4	2.08056	43.4575	6.17133e-02	0.4%	2	20	2.998
-5	1	8	2.07078	43.6733	2.26119e-01	1.4%	2	90	2.965
5	1	-8	2.07078	43.6733	2.28139e-01	1.4%	2	90	2.965
2	2	3	2.06826	43.7292	1.05522e-01	0.6%	2	17	2.956
2	-2	3	2.06826	43.7292	1.11062e-01	0.7%	2	17	2.956
6	2	-4	2.06669	43.7640	1.94080e-01	1.2%	2	56	2.951
-6	2	4	2.06669	43.7640	1.98823e-01	1.2%	2	56	2.951
-7	1	8	2.06163	43.8771	6.77040e-02	0.4%	2	114	2.934
7	1	-8	2.06163	43.8771	6.57995e-02	0.4%	2	114	2.934
-4	2	5	2.05766	43.9662	9.39915e-02	0.6%	2	45	2.921
4	2	-5	2.05766	43.9662	8.96489e-02	0.5%	2	45	2.921
6	2	-1	2.05362	44.0572	8.34437e-02	0.5%	2	41	2.907
-6	2	1	2.05362	44.0572	8.47716e-02	0.5%	2	41	2.907
10	0	-8	2.05210	44.0916	1.30479e-01	0.8%	2	164	2.902
7	1	2	2.04284	44.3019	2.75353e-02	0.2%	2	54	2.871
7	-1	2	2.04284	44.3019	3.23472e-02	0.2%	2	54	2.871
6	0	-9	2.02960	44.6064	2.01496e-01	1.2%	2	117	2.827
-2	2	5	2.02960	44.6066	8.84233e-02	0.5%	2	33	2.827
2	2	-5	2.02960	44.6066	8.27510e-02	0.5%	2	33	2.827
8	0	2	2.01489	44.9498	1.81592e-01	1.1%	2	68	2.779

8	0	-9	2.00920	45.0842	8.89984e-02	0.5%	2	145	2.760
-6	2	5	1.99760	45.3605	7.57179e-02	0.5%	2	65	2.722
6	2	-5	1.99760	45.3605	7.47253e-02	0.4%	2	65	2.722
4	2	2	1.99589	45.4015	1.99600e-02	0.1%	2	24	2.717
4	-2	2	1.99589	45.4015	2.13718e-02	0.1%	2	24	2.717
5	1	4	1.99242	45.4851	1.14983e-01	0.7%	2	42	2.705
5	-1	4	1.99242	45.4851	1.19945e-01	0.7%	2	42	2.705
-3	1	8	1.99157	45.5056	8.21407e-02	0.5%	2	74	2.703
3	1	-8	1.99157	45.5056	8.07678e-02	0.5%	2	74	2.703
9	1	0	1.98878	45.5729	3.02408e-01	1.8%	4	82	2.694
6	2	0	1.97802	45.8348	9.85266e-02	0.6%	4	40	2.659
6	0	4	1.97751	45.8473	2.53651e-01	1.5%	2	52	2.657
11	1	-5	1.97010	46.0297	1.44845e-01	0.9%	2	147	2.634
1	5	1.97010	46.0297	1.47448e-01	0.9%	2	147	2.634	
-9	1	8	1.96745	46.0954	5.64375e-02	0.3%	2	146	2.625
9	1	-8	1.96745	46.0954	5.54470e-02	0.3%	2	146	2.625
12	0	-5	1.96614	46.1279	2.35127e-01	1.4%	2	169	2.621
4	0	-9	1.96572	46.1383	1.61247e-01	1.0%	2	97	2.619
11	1	-4	1.96041	46.2706	6.47514e-02	0.4%	2	138	2.603
1	4	1.96041	46.2706	6.94929e-02	0.4%	2	138	2.603	
12	0	-6	1.95717	46.3515	2.30814e-02	0.1%	2	180	2.592
10	0	0	1.95215	46.4777	3.80336e-02	0.2%	2	100	2.576
11	1	-6	1.94689	46.6107	1.30440e-01	0.8%	2	158	2.560
1	6	1.94689	46.6107	1.32593e-01	0.8%	2	158	2.560	
12	0	-4	1.94240	46.7249	9.02188e-02	0.5%	2	160	2.546
-4	2	6	1.92803	47.0940	6.31321e-02	0.4%	2	56	2.501
4	2	-6	1.92803	47.0940	6.22531e-02	0.4%	2	56	2.501
0	2	5	1.92332	47.2162	1.09459e-01	0.7%	2	29	2.486
0	2	-5	1.92332	47.2162	1.08659e-01	0.6%	2	29	2.486
11	1	-3	1.91920	47.3238	7.30233e-02	0.4%	2	131	2.473
1	3	1.91920	47.3238	7.53408e-02	0.4%	2	131	2.473	
2	2	4	1.91754	47.3672	5.83721e-02	0.3%	2	24	2.468
2	-2	4	1.91754	47.3672	5.98022e-02	0.4%	2	24	2.468
12	0	-7	1.91680	47.3866	8.27630e-02	0.5%	2	193	2.466
10	0	-9	1.91157	47.5244	2.31388e-02	0.1%	2	181	2.450
-6	2	6	1.90410	47.7223	5.56147e-02	0.3%	2	76	2.427
6	2	-6	1.90410	47.7223	5.39075e-02	0.3%	2	76	2.427
8	2	-3	1.89996	47.8328	1.35740e-01	0.8%	2	77	2.414
-8	2	3	1.89996	47.8328	1.34853e-01	0.8%	2	77	2.414
8	2	-4	1.89953	47.8444	4.05994e-02	0.2%	2	84	2.413
-8	2	4	1.89953	47.8444	4.33773e-02	0.3%	2	84	2.413
2	0	7	1.89715	47.9081	1.91034e-02	0.1%	2	53	2.405
11	1	-7	1.89407	47.9908	4.66100e-02	0.3%	2	171	2.396

1	7	1.89407	47.9908	4.95780e-02	0.3%	2	171	2.396	
0	0	8	1.89124	48.0673	3.10909e-02	0.2%	2	64	2.387
12	0	-3	1.88933	48.1190	6.22805e-02	0.4%	2	153	2.381
6	2	1	1.88047	48.3602	6.14383e-02	0.4%	2	41	2.355
6	-2	1	1.88047	48.3602	6.09181e-02	0.4%	2	41	2.355
-7	1	9	1.88013	48.3693	1.04209e-01	0.6%	2	131	2.353
7	1	-9	1.88013	48.3693	1.07255e-01	0.6%	2	131	2.353
-2	2	6	1.87911	48.3974	1.14406e-01	0.7%	2	44	2.350
2	2	-6	1.87911	48.3974	1.12118e-01	0.7%	2	44	2.350
1	1	7	1.87778	48.4339	2.61783e-02	0.2%	2	51	2.346
1	-1	7	1.87778	48.4339	2.56461e-02	0.2%	2	51	2.346
8	2	-2	1.87111	48.6176	4.86924e-02	0.3%	2	72	2.326
-8	2	2	1.87111	48.6176	5.08348e-02	0.3%	2	72	2.326
8	2	-5	1.86986	48.6522	7.66059e-02	0.5%	2	93	2.323
-8	2	5	1.86986	48.6522	7.71443e-02	0.5%	2	93	2.323
4	2	3	1.86307	48.8410	1.15112e-01	0.7%	2	29	2.302
4	-2	3	1.86307	48.8410	1.13989e-01	0.7%	2	29	2.302
7	1	3	1.86303	48.8422	7.42833e-02	0.4%	2	59	2.302
7	-1	3	1.86303	48.8422	8.18940e-02	0.5%	2	59	2.302
-5	1	9	1.86199	48.8713	2.03786e-02	0.1%	2	107	2.299
5	1	-9	1.86199	48.8713	2.18647e-02	0.1%	2	107	2.299
3	1	6	1.85798	48.9835	5.46505e-02	0.3%	2	46	2.287
3	-1	6	1.85798	48.9835	5.58482e-02	0.3%	2	46	2.287
4	0	6	1.85502	49.0670	1.24793e-01	0.7%	2	52	2.278
9	1	1	1.85231	49.1435	8.37943e-02	0.5%	2	83	2.270
9	-1	1	1.85231	49.1435	8.77214e-02	0.5%	2	83	2.270
11	1	-2	1.85210	49.1494	6.54014e-02	0.4%	2	126	2.269
1	2	1.85210	49.1494	6.80138e-02	0.4%	2	126	2.269	
12	0	-8	1.85051	49.1943	1.02447e-01	0.6%	2	208	2.265
-1	1	8	1.85048	49.1953	4.10736e-02	0.2%	2	66	2.265
1	1	-8	1.85048	49.1953	3.97112e-02	0.2%	2	66	2.265
2	0	-9	1.83858	49.5350	6.64925e-03	0.0%	2	85	2.229
-9	1	9	1.83079	49.7600	3.73129e-02	0.2%	2	163	2.207
9	1	-9	1.83079	49.7600	3.78169e-02	0.2%	2	163	2.207
8	0	3	1.82998	49.7837	5.84836e-02	0.3%	2	73	2.204
8	0	-10	1.82493	49.9307	1.12753e-01	0.7%	2	164	2.189
11	1	-8	1.81848	50.1201	1.02461e-01	0.6%	2	186	2.171
1	8	1.81848	50.1201	1.00150e-01	0.6%	2	186	2.171	
6	0	-10	1.81692	50.1663	1.11393e-01	0.7%	2	136	2.166
8	2	-1	1.81675	50.1711	4.29749e-02	0.3%	2	69	2.166
-8	2	1	1.81675	50.1711	4.33260e-02	0.3%	2	69	2.166
8	2	-6	1.81485	50.2273	7.75387e-02	0.5%	2	104	2.160
-8	2	6	1.81485	50.2273	7.54296e-02	0.5%	2	104	2.160

12	0	-2	1.81374	50.2601	1.02262e-01	0.6%	2	148	2.157
10	0	1	1.81119	50.3359	7.53785e-02	0.5%	2	101	2.150
-6	2	7	1.79673	50.7696	9.20386e-02	0.5%	2	89	2.108
6	2	-7	1.79673	50.7696	9.48045e-02	0.6%	2	89	2.108
5	1	5	1.79531	50.8125	7.17808e-02	0.4%	2	51	2.104
5	-1	5	1.79531	50.8125	7.51285e-02	0.4%	2	51	2.104
-4	2	7	1.79438	50.8407	1.45732e-01	0.9%	2	69	2.101
4	2	-7	1.79438	50.8407	1.47487e-01	0.9%	2	69	2.101
-3	1	9	1.78184	51.2245	3.87638e-02	0.2%	2	91	2.066
3	1	-9	1.78184	51.2245	3.63772e-02	0.2%	2	91	2.066
6	0	5	1.77367	51.4775	6.32519e-02	0.4%	2	61	2.043
0	2	6	1.77225	51.5219	9.31129e-02	0.6%	2	40	2.038
0	2	-6	1.77225	51.5219	9.09106e-02	0.5%	2	40	2.038
10	0	-10	1.77164	51.5408	3.23921e-02	0.2%	2	200	2.037
6	2	2	1.77126	51.5526	5.23507e-02	0.3%	2	44	2.036
6	-2	2	1.77126	51.5526	5.19111e-02	0.3%	2	44	2.036
2	2	5	1.77083	51.5661	3.53711e-02	0.2%	2	33	2.035
2	-2	5	1.77083	51.5661	3.66316e-02	0.2%	2	33	2.035
11	1	-1	1.76697	51.6871	6.31126e-02	0.4%	2	123	2.024
1	1	1.76697	51.6871	6.33001e-02	0.4%	2	123	2.024	
12	0	-9	1.76609	51.7148	3.24470e-02	0.2%	2	225	2.021
4	0	-10	1.74989	52.2294	1.03566e-01	0.6%	2	116	1.976
8	2	0	1.74326	52.4432	5.67360e-02	0.3%	4	68	1.958
-8	2	7	1.74091	52.5195	1.90227e-02	0.1%	2	117	1.951
8	2	-7	1.74091	52.5195	1.96113e-02	0.1%	2	117	1.951
-2	2	7	1.73454	52.7273	6.32692e-02	0.4%	2	57	1.934
2	2	-7	1.73454	52.7273	6.10700e-02	0.4%	2	57	1.934
4	2	4	1.73057	52.8575	3.65588e-02	0.2%	2	36	1.923
4	-2	4	1.73057	52.8575	3.73207e-02	0.2%	2	36	1.923
1	9	1.72827	52.9332	2.57746e-02	0.2%	2	203	1.917	
11	1	-9	1.72827	52.9332	2.53358e-02	0.2%	2	203	1.917
12	0	-1	1.72374	53.0833	1.37446e-03	0.0%	2	145	1.904
9	1	2	1.71797	53.2756	3.04876e-02	0.2%	2	86	1.889
9	-1	2	1.71797	53.2756	3.06651e-02	0.2%	2	86	1.889
-7	1	10	1.71688	53.3120	4.55304e-02	0.3%	2	150	1.886
7	1	-10	1.71688	53.3120	4.73460e-02	0.3%	2	150	1.886
10	2	-4	1.71207	53.4739	6.59006e-02	0.4%	2	120	1.873
2	4	1.71207	53.4739	6.51087e-02	0.4%	2	120	1.873	
10	2	-5	1.70894	53.5797	4.47235e-02	0.3%	2	129	1.865
2	5	1.70894	53.5797	4.60472e-02	0.3%	2	129	1.865	
13	1	-6	1.70473	53.7225	6.66908e-02	0.4%	2	206	1.853
1	6	1.70473	53.7225	6.85705e-02	0.4%	2	206	1.853	

7	1	4	1.70168	53.8264	5.28220e-02	0.3%	2	66	1.845
7	-1	4	1.70168	53.8264	5.62806e-02	0.3%	2	66	1.845
13	1	-5	1.70119	53.8431	6.39190e-02	0.4%	2	195	1.844
1	5	1.70119	53.8431	6.72036e-02	0.4%	2	195	1.844	
-9	1	10	1.69738	53.9739	3.16880e-02	0.2%	2	182	1.834
9	1	-10	1.69738	53.9739	3.25540e-02	0.2%	2	182	1.834
10	2	-3	1.69359	54.1047	5.65995e-02	0.3%	2	113	1.824
2	3	1.69359	54.1047	6.27575e-02	0.4%	2	113	1.824	
2	0	8	1.68794	54.3004	9.92794e-02	0.6%	2	68	1.809
13	1	-7	1.68692	54.3362	7.39756e-02	0.4%	2	219	1.806
1	7	1.68692	54.3362	7.59106e-02	0.5%	2	219	1.806	
14	0	-6	1.68590	54.3717	2.73380e-02	0.2%	2	232	1.803
10	2	-6	1.68454	54.4190	4.33043e-02	0.3%	2	140	1.800
2	6	1.68454	54.4190	4.19927e-02	0.3%	2	140	1.800	
-5	1	10	1.68454	54.4192	1.02898e-01	0.6%	2	126	1.800
5	1	-10	1.68454	54.4192	1.04802e-01	0.6%	2	126	1.800
-6	2	8	1.68441	54.4236	4.27714e-02	0.3%	2	104	1.799
6	2	-8	1.68441	54.4236	4.29277e-02	0.3%	2	104	1.799
1	1	8	1.68326	54.4640	4.50509e-02	0.3%	2	66	1.796
1	-1	8	1.68326	54.4640	4.55735e-02	0.3%	2	66	1.796
0	0	9	1.68110	54.5398	2.53817e-02	0.2%	2	81	1.791
14	0	-7	1.67758	54.6639	3.39630e-02	0.2%	2	245	1.781
13	1	-4	1.67670	54.6947	2.59898e-02	0.2%	2	186	1.779
1	4	1.67670	54.6947	2.56535e-02	0.2%	2	186	1.779	
10	0	2	1.67598	54.7203	2.06234e-02	0.1%	2	104	1.777
14	0	-5	1.67349	54.8087	3.37343e-02	0.2%	2	221	1.771
11	1	0	1.67180	54.8685	5.83857e-02	0.3%	4	122	1.766
3	1	7	1.67158	54.8765	8.63563e-02	0.5%	2	59	1.766
3	-1	7	1.67158	54.8765	8.89765e-02	0.5%	2	59	1.766
12	0	-10	1.67148	54.8800	8.54799e-02	0.5%	2	244	1.766
8	0	4	1.66749	55.0223	7.03715e-02	0.4%	2	80	1.755
-4	2	8	1.66464	55.1246	2.63700e-02	0.2%	2	84	1.748
4	2	-8	1.66464	55.1246	2.68089e-02	0.2%	2	84	1.748
8	0	-11	1.66309	55.1804	8.08985e-02	0.5%	2	185	1.744
-1	1	9	1.66093	55.2582	2.71583e-02	0.2%	2	83	1.738
1	1	-9	1.66093	55.2582	2.57141e-02	0.2%	2	83	1.738
4	0	7	1.66063	55.2690	3.97519e-02	0.2%	2	65	1.737
6	2	3	1.65881	55.3350	5.34024e-02	0.3%	2	49	1.733
6	-2	3	1.65881	55.3350	5.67391e-02	0.3%	2	49	1.733
8	2	1	1.65776	55.3731	3.21317e-02	0.2%	2	69	1.730
8	-2	1	1.65776	55.3731	3.41229e-02	0.2%	2	69	1.730
10	2	-2	1.65551	55.4548	4.02260e-02	0.2%	2	108	1.724

2	2	1.65551	55.4548	4.01829e-02	0.2%	2	108	1.724	
-8	2	8	1.65516	55.4675	6.87998e-02	0.4%	2	132	1.723
8	2	-8	1.65516	55.4675	7.12870e-02	0.4%	2	132	1.723
1	3	0	1.65489	55.4773	7.87249e-02	0.5%	4	10	1.723
-1	3	1	1.65362	55.5237	6.00903e-02	0.4%	2	11	1.719
1	3	-1	1.65362	55.5237	5.96167e-02	0.4%	2	11	1.719
13	1	-8	1.64968	55.6676	6.83924e-02	0.4%	2	234	1.709
1	8	1.64968	55.6676	7.14366e-02	0.4%	2	234	1.709	
14	0	-8	1.64942	55.6773	7.46173e-02	0.4%	2	260	1.709
14	0	-4	1.64167	55.9631	4.21431e-02	0.3%	2	212	1.689
10	2	-7	1.64150	55.9695	3.79578e-02	0.2%	2	153	1.688
2	7	1.64150	55.9695	3.65062e-02	0.2%	2	153	1.688	
2	0	-10	1.64130	55.9766	6.98438e-02	0.4%	2	104	1.688
6	0	-11	1.63996	56.0265	1.13135e-01	0.7%	2	157	1.685
10	0	-11	1.63896	56.0637	6.68591e-02	0.4%	2	221	1.682
1	3	1	1.63667	56.1492	3.79108e-02	0.2%	2	11	1.676
1	-3	1	1.63667	56.1492	3.76733e-02	0.2%	2	11	1.676
2	2	6	1.63396	56.2507	8.81300e-02	0.5%	2	44	1.669
2	-2	6	1.63396	56.2507	8.77509e-02	0.5%	2	44	1.669
13	1	-3	1.63385	56.2548	3.26121e-02	0.2%	2	179	1.669
1	3	1.63385	56.2548	3.25452e-02	0.2%	2	179	1.669	
-1	3	2	1.63299	56.2871	1.90222e-02	0.1%	2	14	1.667
1	3	-2	1.63299	56.2871	1.91376e-02	0.1%	2	14	1.667
0	2	7	1.63261	56.3010	5.01607e-02	0.3%	2	53	1.666
0	2	-7	1.63261	56.3010	4.66876e-02	0.3%	2	53	1.666
1	10	1.63099	56.3621	2.16493e-02	0.1%	2	222	1.662	
11	1	-10	1.63099	56.3621	2.28240e-02	0.1%	2	222	1.662
5	1	6	1.62792	56.4779	6.06435e-02	0.4%	2	62	1.654
5	-1	6	1.62792	56.4779	6.28796e-02	0.4%	2	62	1.654
12	0	0	1.62679	56.5206	6.44847e-02	0.4%	2	144	1.651
3	3	-1	1.62417	56.6200	3.51743e-02	0.2%	2	19	1.645
-3	3	1	1.62417	56.6200	3.62290e-02	0.2%	2	19	1.645
3	3	-2	1.62057	56.7571	3.91723e-02	0.2%	2	22	1.636
-3	3	2	1.62057	56.7571	3.86706e-02	0.2%	2	22	1.636
3	3	0	1.60927	57.1922	1.22882e-01	0.7%	4	18	1.608
-3	1	10	1.60842	57.2255	2.68248e-02	0.2%	2	110	1.606
3	1	-10	1.60842	57.2255	2.69977e-02	0.2%	2	110	1.606
4	2	5	1.60448	57.3789	2.64842e-02	0.2%	2	45	1.596
4	-2	5	1.60448	57.3789	2.87663e-02	0.2%	2	45	1.596
14	0	-9	1.60428	57.3866	6.71876e-02	0.4%	2	277	1.595
6	0	6	1.60382	57.4046	3.39708e-03	0.0%	2	72	1.594
10	2	-1	1.60163	57.4904	2.94263e-02	0.2%	2	105	1.589

2	1	1.60163	57.4904	3.04942e-02	0.2%	2	105	1.589	
1	3	2	1.60081	57.5227	4.22665e-02	0.3%	2	14	1.587
1	-3	2	1.60081	57.5227	4.16744e-02	0.2%	2	14	1.587
-2	2	8	1.60068	57.5278	4.20136e-02	0.3%	2	72	1.587
2	2	-8	1.60068	57.5278	4.23372e-02	0.3%	2	72	1.587
-3	3	3	1.59884	57.6003	2.03201e-02	0.1%	2	27	1.582
3	3	-3	1.59884	57.6003	2.06372e-02	0.1%	2	27	1.582
13	1	-9	1.59672	57.6838	4.72775e-02	0.3%	2	251	1.577
1	9	1.59672	57.6838	4.60318e-02	0.3%	2	251	1.577	
-1	3	3	1.59508	57.7489	1.74370e-02	0.1%	2	19	1.573
1	3	-3	1.59508	57.7489	1.73147e-02	0.1%	2	19	1.573
14	0	-3	1.59362	57.8067	2.49086e-03	0.0%	2	205	1.569
9	1	3	1.59127	57.9000	1.57208e-02	0.1%	2	91	1.564
9	-1	3	1.59127	57.9000	1.57934e-02	0.1%	2	91	1.564
2	8	1.58394	58.1937	4.07385e-02	0.2%	2	168	1.546	
10	2	-8	1.58394	58.1937	3.88762e-02	0.2%	2	168	1.546
3	3	1	1.57735	58.4603	4.25846e-02	0.3%	2	19	1.530
3	-3	1	1.57735	58.4603	4.50509e-02	0.3%	2	19	1.530
13	1	-2	1.57671	58.4864	1.46041e-02	0.1%	2	174	1.529
1	2	1.57671	58.4864	1.45206e-02	0.1%	2	174	1.529	
4	0	-11	1.57508	58.5527	1.51965e-02	0.1%	2	137	1.525
-6	2	9	1.57353	58.6162	4.49804e-02	0.3%	2	121	1.521
6	2	-9	1.57353	58.6162	4.68643e-02	0.3%	2	121	1.521
12	0	-11	1.57331	58.6250	5.13058e-03	0.0%	2	265	1.520
11	1	1	1.57323	58.6283	2.52482e-02	0.2%	2	123	1.520
11	-1	1	1.57323	58.6283	2.29231e-02	0.1%	2	123	1.520
-7	1	11	1.57263	58.6530	5.09659e-02	0.3%	2	171	1.519
7	1	-11	1.57263	58.6530	5.35295e-02	0.3%	2	171	1.519
-9	1	11	1.57219	58.6710	4.17190e-02	0.2%	2	203	1.518
9	1	-11	1.57219	58.6710	4.15229e-02	0.2%	2	203	1.518
8	2	2	1.56664	58.8991	4.86294e-02	0.3%	2	72	1.505
8	-2	2	1.56664	58.8991	5.01525e-02	0.3%	2	72	1.505
5	3	-2	1.56647	58.9064	2.89416e-02	0.2%	2	38	1.504
-5	3	2	1.56647	58.9064	3.14878e-02	0.2%	2	38	1.504
-8	2	9	1.56396	59.0101	2.57441e-02	0.2%	2	149	1.498
8	2	-9	1.56396	59.0101	2.48537e-02	0.1%	2	149	1.498
5	3	-3	1.56109	59.1292	3.23869e-02	0.2%	2	43	1.491
-5	3	3	1.56109	59.1292	3.15172e-02	0.2%	2	43	1.491
-3	3	4	1.56107	59.1303	1.85062e-02	0.1%	2	34	1.491
3	3	-4	1.56107	59.1303	1.87531e-02	0.1%	2	34	1.491
7	1	5	1.55927	59.2051	2.56697e-02	0.2%	2	75	1.487
7	-1	5	1.55927	59.2051	2.55808e-02	0.2%	2	75	1.487
5	3	-1	1.55520	59.3758	6.47935e-02	0.4%	2	35	1.478

-5	3	1	1.55520	59.3758	6.66155e-02	0.4%	2	35	1.478
1	3	3	1.55066	59.5670	2.97225e-02	0.2%	2	19	1.467
1	-3	3	1.55066	59.5670	3.05301e-02	0.2%	2	19	1.467
10	0	3	1.55059	59.5701	1.48252e-02	0.1%	2	109	1.467
6	2	4	1.54888	59.6425	3.32031e-02	0.2%	2	56	1.463
6	-2	4	1.54888	59.6425	3.51454e-02	0.2%	2	56	1.463
14	0	-10	1.54626	59.7539	5.18320e-02	0.3%	2	296	1.457
12	2	-5	1.54339	59.8761	4.92684e-02	0.3%	2	173	1.450
2	5	1.54339	59.8761	4.86583e-02	0.3%	2	173	1.450	
-1	3	4	1.54338	59.8766	3.80831e-02	0.2%	2	26	1.450
1	3	-4	1.54338	59.8766	3.79987e-02	0.2%	2	26	1.450
-4	2	9	1.54319	59.8848	3.93247e-02	0.2%	2	101	1.450
4	2	-9	1.54319	59.8848	4.06098e-02	0.2%	2	101	1.450
-5	3	4	1.53958	60.0395	2.59268e-02	0.2%	2	50	1.441
5	3	-4	1.53958	60.0395	2.67409e-02	0.2%	2	50	1.441
12	2	-6	1.53904	60.0626	3.52782e-02	0.2%	2	184	1.440
2	6	1.53904	60.0626	3.68192e-02	0.2%	2	184	1.440	
10	2	0	1.53660	60.1681	2.31439e-02	0.1%	4	104	1.434
-5	1	11	1.53374	60.2920	2.21129e-02	0.1%	2	147	1.428
5	1	-11	1.53374	60.2920	2.29526e-02	0.1%	2	147	1.428
14	0	-2	1.53355	60.2999	1.48830e-02	0.1%	2	200	1.427
13	1	-10	1.53258	60.3420	2.00702e-02	0.1%	2	270	1.425
1	10	1.53258	60.3420	2.04565e-02	0.1%	2	270	1.425	
1	11	1.53251	60.3452	3.51689e-02	0.2%	2	243	1.425	
11	1	-11	1.53251	60.3452	3.43546e-02	0.2%	2	243	1.425
12	2	-4	1.53183	60.3749	3.04829e-02	0.2%	2	164	1.423
2	4	1.53183	60.3749	3.30864e-02	0.2%	2	164	1.423	
3	3	2	1.53132	60.3969	3.64323e-02	0.2%	2	22	1.422
3	-3	2	1.53132	60.3969	3.83454e-02	0.2%	2	22	1.422
12	0	1	1.52870	60.5112	4.19282e-03	0.0%	2	145	1.416
5	3	0	1.52833	60.5275	7.47943e-02	0.4%	4	34	1.415
8	0	5	1.52603	60.6283	9.61062e-03	0.1%	2	89	1.410
1	1	9	1.52320	60.7528	2.98983e-02	0.2%	2	83	1.404
1	-1	9	1.52320	60.7528	3.01651e-02	0.2%	2	83	1.404
8	0	-12	1.52220	60.7968	4.04644e-02	0.2%	2	208	1.401
2	0	9	1.51994	60.8969	4.30700e-02	0.3%	2	85	1.396
12	2	-7	1.51918	60.9306	2.63050e-02	0.2%	2	197	1.395
2	7	1.51918	60.9306	2.58594e-02	0.2%	2	197	1.395	
10	0	-12	1.51675	61.0388	1.63345e-02	0.1%	2	244	1.389
2	9	1.51657	61.0467	3.25829e-02	0.2%	2	185	1.389	

10	2	-9	1.51657	61.0467	3.31819e-02	0.2%	2	185	1.389
3	1	8	1.51649	61.0505	3.26328e-02	0.2%	2	74	1.389
3	-1	8	1.51649	61.0505	3.53493e-02	0.2%	2	74	1.389
0	0	10	1.51299	61.2067	6.53081e-02	0.4%	2	100	1.381
-3	3	5	1.51057	61.3155	3.17062e-02	0.2%	2	43	1.375
3	3	-5	1.51057	61.3155	3.18873e-02	0.2%	2	43	1.375
13	1	-1	1.50991	61.3450	2.04651e-02	0.1%	2	171	1.374
1	1	1.50991	61.3450	1.86681e-02	0.1%	2	171	1.374	
2	2	7	1.50934	61.3706	2.66617e-02	0.2%	2	57	1.373
2	-2	7	1.50934	61.3706	2.68345e-02	0.2%	2	57	1.373
0	2	8	1.50636	61.5053	2.35783e-02	0.1%	2	68	1.366
0	2	-8	1.50636	61.5053	2.50797e-02	0.1%	2	68	1.366
12	2	-3	1.50539	61.5490	2.78725e-02	0.2%	2	157	1.364
2	3	1.50539	61.5490	2.83295e-02	0.2%	2	157	1.364	
-1	1	10	1.50468	61.5814	2.10712e-02	0.1%	2	102	1.362
1	1	-10	1.50468	61.5814	1.97554e-02	0.1%	2	102	1.362
-5	3	5	1.50385	61.6188	2.26210e-02	0.1%	2	59	1.360
5	3	-5	1.50385	61.6188	2.28344e-02	0.1%	2	59	1.360
4	0	8	1.50181	61.7119	2.88992e-02	0.2%	2	80	1.356
15	1	-7	1.49895	61.8424	3.62308e-02	0.2%	2	275	1.349
1	7	1.49895	61.8424	3.56315e-02	0.2%	2	275	1.349	
15	1	-6	1.49844	61.8661	8.85853e-03	0.1%	2	262	1.348
1	6	1.49844	61.8661	8.82080e-03	0.1%	2	262	1.348	
6	0	-12	1.49161	62.1804	1.48996e-02	0.1%	2	180	1.333
1	3	4	1.49027	62.2425	3.05012e-02	0.2%	2	26	1.330
1	-3	4	1.49027	62.2425	3.25894e-02	0.2%	2	26	1.330
7	3	-3	1.48992	62.2589	1.82075e-02	0.1%	2	67	1.330
-7	3	3	1.48992	62.2589	1.84639e-02	0.1%	2	67	1.330
5	3	1	1.48820	62.3391	1.95519e-02	0.1%	2	35	1.326
5	-3	1	1.48820	62.3391	2.13801e-02	0.1%	2	35	1.326
4	2	6	1.48786	62.3547	4.54189e-02	0.3%	2	56	1.325
4	-2	6	1.48786	62.3547	4.66793e-02	0.3%	2	56	1.325
12	2	-8	1.48554	62.4633	3.16112e-02	0.2%	2	212	1.320
2	8	1.48554	62.4633	3.30630e-02	0.2%	2	212	1.320	
5	1	7	1.48550	62.4651	4.29834e-02	0.3%	2	75	1.320
5	-1	7	1.48550	62.4651	4.49928e-02	0.3%	2	75	1.320
15	1	-8	1.48496	62.4904	4.16037e-02	0.2%	2	290	1.319
1	8	1.48496	62.4904	4.27331e-02	0.3%	2	290	1.319	
7	3	-4	1.48346	62.5606	3.05114e-02	0.2%	2	74	1.315
-7	3	4	1.48346	62.5606	2.99121e-02	0.2%	2	74	1.315
15	1	-5	1.48345	62.5611	2.64906e-02	0.2%	2	251	1.315

1	5	1.48345	62.5611	2.50684e-02	0.1%	2	251	1.315	
7	3	-2	1.48204	62.6272	4.68071e-02	0.3%	2	62	1.312
-7	3	2	1.48204	62.6272	4.73232e-02	0.3%	2	62	1.312
-1	3	5	1.48197	62.6304	1.62031e-02	0.1%	2	35	1.312
1	3	-5	1.48197	62.6304	1.69262e-02	0.1%	2	35	1.312
2	0	-11	1.48195	62.6315	1.54055e-02	0.1%	2	125	1.312
14	0	-11	1.47974	62.7357	4.55042e-02	0.3%	2	317	1.307
-2	2	9	1.47934	62.7545	1.11971e-02	0.1%	2	89	1.307
2	2	-9	1.47934	62.7545	1.34810e-02	0.1%	2	89	1.307
12	0	-12	1.47637	62.8953	3.32747e-02	0.2%	2	288	1.300
11	1	2	1.47601	62.9123	1.57973e-02	0.1%	2	126	1.299
11	-1	2	1.47601	62.9123	1.47649e-02	0.1%	2	126	1.299
16	0	-7	1.47524	62.9487	9.60710e-03	0.1%	2	305	1.298
3	3	3	1.47488	62.9658	3.37960e-02	0.2%	2	27	1.297
3	-3	3	1.47488	62.9658	3.56287e-02	0.2%	2	27	1.297
8	2	3	1.47485	62.9675	1.45732e-02	0.1%	2	77	1.297
8	-2	3	1.47485	62.9675	1.49829e-02	0.1%	2	77	1.297
9	1	4	1.47481	62.9695	1.72423e-02	0.1%	2	98	1.297
9	-1	4	1.47481	62.9695	1.70148e-02	0.1%	2	98	1.297
-8	2	10	1.47221	63.0936	2.56327e-02	0.2%	2	168	1.291
8	2	-10	1.47221	63.0936	2.56227e-02	0.2%	2	168	1.291
16	0	-6	1.46868	63.2623	1.35707e-02	0.1%	2	292	1.284
-6	2	10	1.46799	63.2959	2.36349e-02	0.1%	2	140	1.282
6	2	-10	1.46799	63.2959	2.48279e-02	0.1%	2	140	1.282
16	0	-8	1.46788	63.3011	1.63364e-02	0.1%	2	320	1.282
12	2	-2	1.46631	63.3766	4.10929e-02	0.2%	2	152	1.279
2	2	1.46631	63.3766	3.97741e-02	0.2%	2	152	1.279	
14	0	-1	1.46585	63.3988	2.60874e-02	0.2%	2	197	1.278
10	2	1	1.46496	63.4418	1.96292e-02	0.1%	2	105	1.276
10	-2	1	1.46496	63.4418	1.88450e-02	0.1%	2	105	1.276
-3	1	11	1.46354	63.5106	2.17037e-02	0.1%	2	131	1.273
3	1	-11	1.46354	63.5106	2.07283e-02	0.1%	2	131	1.273
7	3	-5	1.46320	63.5271	3.39055e-02	0.2%	2	83	1.272
-7	3	5	1.46320	63.5271	3.57342e-02	0.2%	2	83	1.272
1	11	1.46176	63.5968	3.47837e-02	0.2%	2	291	1.269	
13	1	-11	1.46176	63.5968	3.46514e-02	0.2%	2	291	1.269
6	0	7	1.46115	63.6267	4.13497e-02	0.2%	2	85	1.268
7	3	-1	1.46048	63.6591	1.93417e-02	0.1%	2	59	1.266
-7	3	1	1.46048	63.6591	1.97917e-02	0.1%	2	59	1.266
15	1	-9	1.45763	63.7986	2.05632e-02	0.1%	2	307	1.260
1	9	1.45763	63.7986	2.09219e-02	0.1%	2	307	1.260	
-9	1	12	1.45743	63.8079	3.57674e-02	0.2%	2	226	1.260
9	1	-12	1.45743	63.8079	3.59776e-02	0.2%	2	226	1.260

-5	3	6	1.45681	63.8387	2.55438e-02	0.2%	2	70	1.258
5	3	-6	1.45681	63.8387	2.57571e-02	0.2%	2	70	1.258
15	1	-4	1.45525	63.9151	1.57145e-02	0.1%	2	242	1.255
1	4	1.45525	63.9151	1.48785e-02	0.1%	2	242	1.255	
-3	3	6	1.45113	64.1180	1.60955e-02	0.1%	2	54	1.247
3	3	-6	1.45113	64.1180	1.56805e-02	0.1%	2	54	1.247
16	0	-5	1.44874	64.2365	5.06439e-03	0.0%	2	281	1.242
16	0	-9	1.44720	64.3133	4.08169e-02	0.2%	2	337	1.238
-7	1	12	1.44613	64.3662	5.20571e-02	0.3%	2	194	1.236
7	1	-12	1.44613	64.3662	5.22664e-02	0.3%	2	194	1.236
6	2	5	1.44489	64.4282	2.22364e-02	0.1%	2	65	1.234
6	-2	5	1.44489	64.4282	2.34465e-02	0.1%	2	65	1.234
2	10	1.44380	64.4831	1.45884e-02	0.1%	2	204	1.231	
10	2	-10	1.44380	64.4831	1.33541e-02	0.1%	2	204	1.231
12	2	-9	1.44079	64.6341	2.14604e-02	0.1%	2	229	1.225
2	9	1.44079	64.6341	2.13967e-02	0.1%	2	229	1.225	
5	3	2	1.43791	64.7794	3.23477e-02	0.2%	2	38	1.219
5	-3	2	1.43791	64.7794	3.15053e-02	0.2%	2	38	1.219
13	1	0	1.43778	64.7860	1.96186e-02	0.1%	4	170	1.219
1	12	1.43682	64.8344	2.12746e-02	0.1%	2	266	1.217	
11	1	-12	1.43682	64.8344	1.98258e-02	0.1%	2	266	1.217
10	0	4	1.43657	64.8472	1.47394e-02	0.1%	2	116	1.216
7	1	6	1.43444	64.9550	2.75896e-02	0.2%	2	86	1.212
7	-1	6	1.43444	64.9550	2.69368e-02	0.2%	2	86	1.212
12	0	2	1.43341	65.0073	4.19721e-03	0.0%	2	148	1.210
-4	2	10	1.43195	65.0819	1.88284e-02	0.1%	2	120	1.207
4	2	-10	1.43195	65.0819	1.86483e-02	0.1%	2	120	1.207
4	0	-12	1.43101	65.1300	1.31141e-02	0.1%	2	160	1.205
-7	3	6	1.43078	65.1418	2.71564e-02	0.2%	2	94	1.204
7	3	-6	1.43078	65.1418	2.72751e-02	0.2%	2	94	1.204
7	3	0	1.42697	65.3372	3.91667e-02	0.2%	4	58	1.197
1	3	5	1.42366	65.5083	2.05066e-02	0.1%	2	35	1.190
1	-3	5	1.42366	65.5083	2.33423e-02	0.1%	2	35	1.190
15	1	-10	1.41910	65.7454	4.00433e-02	0.2%	2	326	1.181
1	10	1.41910	65.7454	4.04329e-02	0.2%	2	326	1.181	
12	2	-1	1.41751	65.8282	2.89181e-03	0.0%	2	149	1.178
2	1	1.41751	65.8282	2.85126e-03	0.0%	2	149	1.178	
16	0	-4	1.41699	65.8554	9.19815e-03	0.1%	2	272	1.177
15	1	-3	1.41603	65.9059	8.23491e-03	0.0%	2	235	1.175
1	3	1.41603	65.9059	8.45650e-03	0.1%	2	235	1.175	

16	0	-10	1.41483	65.9690	2.66802e-02	0.2%	2	356	1.172
-1	3	6	1.41482	65.9692	2.14325e-02	0.1%	2	46	1.172
1	3	-6	1.41482	65.9692	2.43881e-02	0.1%	2	46	1.172
3	3	4	1.41180	66.1285	1.94494e-02	0.1%	2	34	1.166
3	-3	4	1.41180	66.1285	1.96576e-02	0.1%	2	34	1.166
14	0	-12	1.40876	66.2899	2.53869e-02	0.2%	2	340	1.160
10	0	-13	1.40604	66.4345	2.69300e-02	0.2%	2	269	1.155
-5	1	12	1.40504	66.4878	1.63501e-02	0.1%	2	170	1.153
5	1	-12	1.40504	66.4878	1.60516e-02	0.1%	2	170	1.153
8	0	6	1.40315	66.5892	1.11348e-03	0.0%	2	100	1.149
9	3	-4	1.40313	66.5901	1.27070e-02	0.1%	2	106	1.149
-9	3	4	1.40313	66.5901	1.26060e-02	0.1%	2	106	1.149
-5	3	7	1.40173	66.6655	1.38124e-02	0.1%	2	83	1.146
5	3	-7	1.40173	66.6655	1.23419e-02	0.1%	2	83	1.146
8	0	-13	1.39982	66.7681	2.98659e-02	0.2%	2	233	1.143
9	3	-3	1.39808	66.8624	1.44269e-02	0.1%	2	99	1.139
-9	3	3	1.39808	66.8624	1.33741e-02	0.1%	2	99	1.139
2	2	8	1.39740	66.8988	1.94957e-02	0.1%	2	72	1.138
2	-2	8	1.39740	66.8988	1.80327e-02	0.1%	2	72	1.138
14	2	-6	1.39624	66.9618	1.30792e-02	0.1%	2	236	1.136
2	6	1.39624	66.9618	1.29951e-02	0.1%	2	236	1.136	
9	3	-5	1.39620	66.9642	3.04233e-02	0.2%	2	115	1.136
-9	3	5	1.39620	66.9642	3.06770e-02	0.2%	2	115	1.136
14	0	0	1.39439	67.0625	6.92593e-03	0.0%	2	196	1.132
0	2	9	1.39351	67.1103	1.54521e-02	0.1%	2	85	1.130
0	2	-9	1.39351	67.1103	1.63384e-02	0.1%	2	85	1.130
14	2	-7	1.39150	67.2201	3.41851e-02	0.2%	2	249	1.127
2	7	1.39150	67.2201	3.62247e-02	0.2%	2	249	1.127	
10	2	2	1.39059	67.2700	1.56277e-02	0.1%	2	108	1.125
10	-2	2	1.39059	67.2700	1.61181e-02	0.1%	2	108	1.125
1	1	10	1.38967	67.3205	2.23607e-02	0.1%	2	102	1.123
1	-1	10	1.38967	67.3205	2.35653e-02	0.1%	2	102	1.123
14	2	-5	1.38917	67.3483	1.66997e-02	0.1%	2	225	1.122
2	5	1.38917	67.3483	1.65386e-02	0.1%	2	225	1.122	
-7	3	7	1.38858	67.3808	2.05006e-02	0.1%	2	107	1.121
7	3	-7	1.38858	67.3808	1.97020e-02	0.1%	2	107	1.121
1	12	1.38810	67.4070	1.40105e-02	0.1%	2	314	1.120	
13	1	-12	1.38810	67.4070	1.34921e-02	0.1%	2	314	1.120
2	10	1.38802	67.4114	1.86254e-02	0.1%	2	248	1.120	
12	2	-10	1.38802	67.4114	1.85166e-02	0.1%	2	248	1.120
-3	3	7	1.38641	67.5000	1.24742e-02	0.1%	2	67	1.117
3	3	-7	1.38641	67.5000	1.25968e-02	0.1%	2	67	1.117

3	1	9	1.38606	67.5195	1.87396e-02	0.1%	2	91	1.116
3	-1	9	1.38606	67.5195	2.08840e-02	0.1%	2	91	1.116
8	2	4	1.38573	67.5375	3.03741e-02	0.2%	2	84	1.115
8	-2	4	1.38573	67.5375	2.97762e-02	0.2%	2	84	1.115
7	3	1	1.38394	67.6367	2.14678e-02	0.1%	2	59	1.112
7	-3	1	1.38394	67.6367	1.94877e-02	0.1%	2	59	1.112
12	0	-13	1.38367	67.6520	1.82024e-02	0.1%	2	313	1.112
-8	2	11	1.38320	67.6778	2.73888e-02	0.2%	2	189	1.111
8	2	-11	1.38320	67.6778	2.78039e-02	0.2%	2	189	1.111
11	1	3	1.38313	67.6816	4.70580e-03	0.0%	2	131	1.111
11	-1	3	1.38313	67.6816	4.33277e-03	0.0%	2	131	1.111
2	0	10	1.38214	67.7367	1.83255e-02	0.1%	2	104	1.109
4	2	7	1.38179	67.7565	1.10509e-02	0.1%	2	69	1.108
4	-2	7	1.38179	67.7565	1.19436e-02	0.1%	2	69	1.108
9	3	-2	1.38142	67.7773	1.74586e-02	0.1%	2	94	1.107
-9	3	2	1.38142	67.7773	1.71181e-02	0.1%	2	94	1.107
5	3	3	1.38074	67.8147	1.34989e-02	0.1%	2	43	1.106
5	-3	3	1.38074	67.8147	1.24330e-02	0.1%	2	43	1.106
9	3	-6	1.37780	67.9796	1.32078e-02	0.1%	2	126	1.100
-9	3	6	1.37780	67.9796	1.46090e-02	0.1%	2	126	1.100
16	0	-3	1.37573	68.0956	1.04521e-02	0.1%	2	265	1.096
0	0	11	1.37544	68.1117	1.34762e-02	0.1%	2	121	1.096
14	2	-8	1.37531	68.1194	1.77518e-02	0.1%	2	264	1.096
2	8	1.37531	68.1194	1.76659e-02	0.1%	2	264	1.096	
-1	1	11	1.37410	68.1873	2.51277e-02	0.2%	2	123	1.093
1	1	-11	1.37410	68.1873	2.53481e-02	0.2%	2	123	1.093
16	0	-11	1.37309	68.2446	4.29102e-02	0.3%	2	377	1.092
15	1	-11	1.37205	68.3036	1.93029e-02	0.1%	2	347	1.090
1	11	1.37205	68.3036	2.01969e-02	0.1%	2	347	1.090	
14	2	-4	1.37081	68.3740	2.36632e-02	0.1%	2	216	1.087
2	4	1.37081	68.3740	2.40061e-02	0.1%	2	216	1.087	
-2	2	10	1.37059	68.3860	1.56420e-02	0.1%	2	108	1.087
2	2	-10	1.37059	68.3860	1.60945e-02	0.1%	2	108	1.087
4	0	9	1.36991	68.4250	3.72234e-02	0.2%	2	97	1.086
-6	2	11	1.36981	68.4305	2.35470e-02	0.1%	2	161	1.085
6	2	-11	1.36981	68.4305	2.24092e-02	0.1%	2	161	1.085
9	1	5	1.36931	68.4593	9.57320e-03	0.1%	2	107	1.084
9	-1	5	1.36931	68.4593	8.62827e-03	0.1%	2	107	1.084
2	11	1.36923	68.4637	3.55365e-02	0.2%	2	225	1.084	
10	2	-11	1.36923	68.4637	3.58658e-02	0.2%	2	225	1.084
15	1	-2	1.36849	68.5060	2.18075e-02	0.1%	2	230	1.083
1	2	1.36849	68.5060	2.01838e-02	0.1%	2	230	1.083	

6	0	-13	1.36611	68.6415	1.19947e-02	0.1%	2	205	1.078
13	1	1	1.36386	68.7708	9.77891e-03	0.1%	2	171	1.074
13	-1	1	1.36386	68.7708	8.96310e-03	0.1%	2	171	1.074
5	1	8	1.36371	68.7798	1.61957e-02	0.1%	2	90	1.074
5	-1	8	1.36371	68.7798	1.68843e-02	0.1%	2	90	1.074
12	2	0	1.36211	68.8717	3.41202e-02	0.2%	4	148	1.071
9	3	-1	1.35435	69.3224	1.16097e-02	0.1%	2	91	1.057
-9	3	1	1.35435	69.3224	1.09760e-02	0.1%	2	91	1.057
1	3	6	1.35426	69.3274	2.36685e-02	0.1%	2	46	1.057
1	-3	6	1.35426	69.3274	2.86922e-02	0.2%	2	46	1.057
-9	1	13	1.35366	69.3631	3.52374e-02	0.2%	2	251	1.056
9	1	-13	1.35366	69.3631	3.46985e-02	0.2%	2	251	1.056
2	0	-12	1.35061	69.5418	8.93092e-03	0.1%	2	148	1.050
-9	3	7	1.34924	69.6226	3.41069e-02	0.2%	2	139	1.048
9	3	-7	1.34924	69.6226	3.41922e-02	0.2%	2	139	1.048
14	2	-9	1.34882	69.6479	1.21570e-02	0.1%	2	281	1.047
2	9	1.34882	69.6479	1.28948e-02	0.1%	2	281	1.047	
6	2	6	1.34854	69.6641	1.68729e-02	0.1%	2	76	1.046
6	-2	6	1.34854	69.6641	1.78741e-02	0.1%	2	76	1.046
1	13	1.34628	69.7979	1.32614e-02	0.1%	2	291	1.042	
11	1	-13	1.34628	69.7979	1.34557e-02	0.1%	2	291	1.042
3	3	5	1.34541	69.8496	2.19064e-02	0.1%	2	43	1.041
3	-3	5	1.34541	69.8496	2.20232e-02	0.1%	2	43	1.041
-1	3	7	1.34528	69.8574	1.42218e-02	0.1%	2	59	1.040
1	3	-7	1.34528	69.8574	1.55175e-02	0.1%	2	59	1.040
12	0	3	1.34326	69.9778	1.74830e-02	0.1%	2	153	1.037
14	2	-3	1.34246	70.0258	8.96499e-03	0.1%	2	209	1.035
2	3	1.34246	70.0258	8.80595e-03	0.1%	2	209	1.035	
-5	3	8	1.34178	70.0665	1.68968e-02	0.1%	2	98	1.034
5	3	-8	1.34178	70.0665	1.54222e-02	0.1%	2	98	1.034
-3	1	12	1.34120	70.1011	9.39973e-03	0.1%	2	154	1.033
3	1	-12	1.34120	70.1011	9.10050e-03	0.1%	2	154	1.033
6	0	8	1.34019	70.1618	5.54136e-03	0.0%	2	100	1.031
-7	3	8	1.33928	70.2163	1.76298e-02	0.1%	2	122	1.030
7	3	-8	1.33928	70.2163	1.68447e-02	0.1%	2	122	1.030
17	1	-7	1.33665	70.3752	1.20915e-02	0.1%	2	339	1.025
1	7	1.33665	70.3752	1.16569e-02	0.1%	2	339	1.025	
14	0	-13	1.33654	70.3815	1.60035e-02	0.1%	2	365	1.025
17	1	-8	1.33567	70.4341	1.20971e-02	0.1%	2	354	1.023
1	8	1.33567	70.4341	1.12897e-02	0.1%	2	354	1.023	
-7	1	13	1.33543	70.4489	2.08828e-02	0.1%	2	219	1.023
7	1	-13	1.33543	70.4489	2.07415e-02	0.1%	2	219	1.023

7	3	2	1.33409	70.5302	1.09972e-02	0.1%	2	62	1.021
7	-3	2	1.33409	70.5302	1.11433e-02	0.1%	2	62	1.021
10	0	5	1.33399	70.5360	4.14339e-03	0.0%	2	125	1.020
-4	2	11	1.33132	70.6987	1.11202e-02	0.1%	2	141	1.016
4	2	-11	1.33132	70.6987	1.11384e-02	0.1%	2	141	1.016
2	11	1.33025	70.7641	1.62448e-02	0.1%	2	269	1.014	
12	2	-11	1.33025	70.7641	1.62626e-02	0.1%	2	269	1.014
16	0	-2	1.32753	70.9308	6.06755e-04	0.0%	2	260	1.009
17	1	-6	1.32729	70.9459	8.02965e-03	0.0%	2	326	1.009
1	6	1.32729	70.9459	7.22931e-03	0.0%	2	326	1.009	
7	1	7	1.32519	71.0751	9.90919e-03	0.1%	2	99	1.005
7	-1	7	1.32519	71.0751	9.44834e-03	0.1%	2	99	1.005
16	0	-12	1.32457	71.1137	2.58903e-02	0.2%	2	400	1.004
17	1	-9	1.32443	71.1219	8.42020e-03	0.1%	2	371	1.004
1	9	1.32443	71.1219	8.60741e-03	0.1%	2	371	1.004	
14	0	1	1.32224	71.2578	1.92696e-02	0.1%	2	197	1.000
5	3	4	1.31974	71.4135	1.07572e-02	0.1%	2	50	0.996
5	-3	4	1.31974	71.4135	1.00033e-02	0.1%	2	50	0.996
-3	3	8	1.31949	71.4289	1.60934e-02	0.1%	2	82	0.995
3	3	-8	1.31949	71.4289	1.45344e-02	0.1%	2	82	0.995
1	12	1.31924	71.4447	2.94904e-02	0.2%	2	370	0.995	
15	1	-12	1.31924	71.4447	2.99980e-02	0.2%	2	370	0.995
9	3	0	1.31868	71.4796	3.78838e-02	0.2%	4	90	0.994
10	2	3	1.31643	71.6208	1.76814e-02	0.1%	2	113	0.990
10	-2	3	1.31643	71.6208	1.69282e-02	0.1%	2	113	0.990
15	1	-1	1.31537	71.6872	3.58024e-03	0.0%	2	227	0.988
1	1	1.31537	71.6872	3.77971e-03	0.0%	2	227	0.988	
1	13	1.31452	71.7410	1.49153e-02	0.1%	2	339	0.987	
13	1	-13	1.31452	71.7410	1.47138e-02	0.1%	2	339	0.987
14	2	-10	1.31378	71.7879	2.02726e-02	0.1%	2	300	0.985
2	10	1.31378	71.7879	1.89605e-02	0.1%	2	300	0.985	
11	3	-5	1.31320	71.8246	9.21521e-03	0.1%	2	155	0.985
3	5	1.31320	71.8246	8.61175e-03	0.1%	2	155	0.985	
-9	3	8	1.31241	71.8745	1.63524e-02	0.1%	2	154	0.983
9	3	-8	1.31241	71.8745	1.65290e-02	0.1%	2	154	0.983
18	0	-8	1.31121	71.9503	7.91936e-03	0.0%	2	388	0.981
4	0	-13	1.31045	71.9986	9.09731e-03	0.1%	2	185	0.980
11	3	-4	1.31031	72.0074	8.89672e-03	0.1%	2	146	0.980
3	4	1.31031	72.0074	8.49735e-03	0.1%	2	146	0.980	

17	1	-5	1.30823	72.1398	6.08278e-03	0.0%	2	315	0.976
1	5	1.30823	72.1398	5.73205e-03	0.0%	2	315	0.976	
18	0	-7	1.30785	72.1640	7.16339e-03	0.0%	2	373	0.976
10	0	-14	1.30664	72.2412	2.54789e-02	0.2%	2	296	0.973
11	3	-6	1.30625	72.2664	1.65943e-02	0.1%	2	166	0.973
3	6	1.30625	72.2664	1.63085e-02	0.1%	2	166	0.973	
14	2	-2	1.30596	72.2851	1.31439e-02	0.1%	2	204	0.972
2	2	1.30596	72.2851	1.43553e-02	0.1%	2	204	0.972	
18	0	-9	1.30478	72.3607	7.29077e-03	0.0%	2	405	0.970
17	1	-10	1.30369	72.4311	2.16143e-02	0.1%	2	390	0.969
1	10	1.30369	72.4311	2.14485e-02	0.1%	2	390	0.969	
12	2	1	1.30296	72.4779	1.08417e-02	0.1%	2	149	0.967
12	-2	1	1.30296	72.4779	1.12975e-02	0.1%	2	149	0.967
8	2	5	1.30130	72.5848	1.15356e-02	0.1%	2	93	0.965
8	-2	5	1.30130	72.5848	1.17810e-02	0.1%	2	93	0.965
-8	2	12	1.29893	72.7388	1.64144e-02	0.1%	2	212	0.961
8	2	-12	1.29893	72.7388	1.69182e-02	0.1%	2	212	0.961
11	3	-3	1.29779	72.8127	1.05572e-02	0.1%	2	139	0.959
3	3	1.29779	72.8127	9.18682e-03	0.1%	2	139	0.959	
2	2	9	1.29752	72.8303	1.68241e-02	0.1%	2	89	0.958
2	-2	9	1.29752	72.8303	1.77707e-02	0.1%	2	89	0.958
12	0	-14	1.29685	72.8738	2.35744e-03	0.0%	2	340	0.957
8	0	7	1.29623	72.9143	1.62165e-02	0.1%	2	113	0.956
11	1	4	1.29622	72.9153	1.15390e-02	0.1%	2	138	0.956
11	-1	4	1.29622	72.9153	1.09040e-02	0.1%	2	138	0.956
2	12	1.29553	72.9601	1.10192e-02	0.1%	2	248	0.955	
10	2	-12	1.29553	72.9601	1.13100e-02	0.1%	2	248	0.955
18	0	-6	1.29493	72.9996	1.00867e-02	0.1%	2	360	0.954
-5	1	13	1.29453	73.0258	2.64162e-02	0.2%	2	195	0.953
5	1	-13	1.29453	73.0258	2.47419e-02	0.1%	2	195	0.953
8	0	-14	1.29334	73.1041	2.12286e-02	0.1%	2	260	0.952
0	2	10	1.29319	73.1138	7.31755e-03	0.0%	2	104	0.951
0	2	-10	1.29319	73.1138	7.43493e-03	0.0%	2	104	0.951
13	1	2	1.29079	73.2717	9.75840e-03	0.1%	2	174	0.947
13	-1	2	1.29079	73.2717	9.11677e-03	0.1%	2	174	0.947
11	3	-7	1.28994	73.3281	8.29699e-03	0.0%	2	179	0.946
3	7	1.28994	73.3281	8.56310e-03	0.1%	2	179	0.946	
18	0	-10	1.28899	73.3911	1.21372e-02	0.1%	2	424	0.945
4	2	8	1.28619	73.5771	2.17941e-02	0.1%	2	84	0.940
4	-2	8	1.28619	73.5771	2.28919e-02	0.1%	2	84	0.940

-7	3	9	1.28551	73.6224	1.54250e-02	0.1%	2	139	0.939
7	3	-9	1.28551	73.6224	1.51097e-02	0.1%	2	139	0.939
1	3	7	1.28475	73.6726	6.16500e-03	0.0%	2	59	0.938
1	-3	7	1.28475	73.6726	6.86211e-03	0.0%	2	59	0.938
17	1	-4	1.28070	73.9448	2.17643e-02	0.1%	2	306	0.931
1	4	1.28070	73.9448	2.21328e-02	0.1%	2	306	0.931	
7	3	3	1.28000	73.9917	9.36261e-03	0.1%	2	67	0.930
7	-3	3	1.28000	73.9917	7.98855e-03	0.0%	2	67	0.930
-6	2	12	1.27977	74.0076	1.40383e-02	0.1%	2	184	0.930
6	2	-12	1.27977	74.0076	1.43964e-02	0.1%	2	184	0.930
-5	3	9	1.27966	74.0145	1.05274e-02	0.1%	2	115	0.930
5	3	-9	1.27966	74.0145	9.69533e-03	0.1%	2	115	0.930
3	3	6	1.27836	74.1025	3.89818e-03	0.0%	2	54	0.928
3	-3	6	1.27836	74.1025	4.37399e-03	0.0%	2	54	0.928
1	1	11	1.27686	74.2044	1.95329e-02	0.1%	2	123	0.925
1	-1	11	1.27686	74.2044	2.08142e-02	0.1%	2	123	0.925
9	3	1	1.27651	74.2281	8.20874e-03	0.0%	2	91	0.925
9	-3	1	1.27651	74.2281	8.37253e-03	0.1%	2	91	0.925
11	3	-2	1.27644	74.2328	1.00227e-02	0.1%	2	134	0.925
3	2	1.27644	74.2328	9.86999e-03	0.1%	2	134	0.925	
-1	3	8	1.27591	74.2689	1.50925e-02	0.1%	2	74	0.924
1	3	-8	1.27591	74.2689	1.61404e-02	0.1%	2	74	0.924
3	1	10	1.27522	74.3159	1.76707e-02	0.1%	2	110	0.923
3	-1	10	1.27522	74.3159	1.81071e-02	0.1%	2	110	0.923
16	0	-1	1.27492	74.3362	4.75130e-02	0.3%	2	257	0.922
17	1	-11	1.27474	74.3486	9.45176e-03	0.1%	2	411	0.922
1	11	1.27474	74.3486	9.76224e-03	0.1%	2	411	0.922	
9	1	6	1.27449	74.3658	8.33584e-03	0.0%	2	118	0.921
9	-1	6	1.27449	74.3658	7.51004e-03	0.0%	2	118	0.921
-2	2	11	1.27365	74.4231	1.36980e-02	0.1%	2	129	0.920
2	2	-11	1.27365	74.4231	1.35319e-02	0.1%	2	129	0.920
18	0	-5	1.27327	74.4490	5.54810e-03	0.0%	2	349	0.920
2	11	1.27224	74.5191	1.24597e-02	0.1%	2	321	0.918	
14	2	-11	1.27224	74.5191	1.17343e-02	0.1%	2	321	0.918
16	0	-13	1.27177	74.5515	2.84609e-02	0.2%	2	425	0.917
2	12	1.27010	74.6664	1.85372e-02	0.1%	2	292	0.915	
12	2	-12	1.27010	74.6664	1.94799e-02	0.1%	2	292	0.915
-9	3	9	1.26940	74.7144	1.34931e-02	0.1%	2	171	0.914
9	3	-9	1.26940	74.7144	1.38212e-02	0.1%	2	171	0.914
16	2	-7	1.26938	74.7157	2.34461e-02	0.1%	2	309	0.914
2	7	1.26938	74.7157	2.43096e-02	0.1%	2	309	0.914	

2	0	11	1.26712	74.8720	3.99713e-02	0.2%	2	125	0.910
14	0	-14	1.26546	74.9872	1.11127e-02	0.1%	2	392	0.908
11	3	-8	1.26528	74.9998	1.64646e-02	0.1%	2	194	0.907
3	8	1.26528	74.9998	1.54790e-02	0.1%	2	194	0.907	
16	2	-6	1.26519	75.0055	1.35526e-02	0.1%	2	296	0.907
2	6	1.26519	75.0055	1.43488e-02	0.1%	2	296	0.907	
18	0	-11	1.26482	75.0317	1.41792e-02	0.1%	2	445	0.907
16	2	-8	1.26468	75.0413	3.86281e-03	0.0%	2	324	0.906
2	8	1.26468	75.0413	4.26129e-03	0.0%	2	324	0.906	
-1	1	12	1.26361	75.1156	9.27731e-03	0.1%	2	146	0.905
1	1	-12	1.26361	75.1156	9.83380e-03	0.1%	2	146	0.905
14	2	-1	1.26338	75.1317	9.81961e-03	0.1%	2	201	0.904
2	1	1.26338	75.1317	8.48752e-03	0.1%	2	201	0.904	
1	13	1.26320	75.1445	1.29199e-02	0.1%	2	395	0.904	
15	1	-13	1.26320	75.1445	1.32708e-02	0.1%	2	395	0.904
1	14	1.26208	75.2227	2.30215e-02	0.1%	2	318	0.902	
11	1	-14	1.26208	75.2227	2.29796e-02	0.1%	2	318	0.902
0	0	12	1.26082	75.3106	1.94431e-02	0.1%	2	144	0.901
-9	1	14	1.26045	75.3366	2.29228e-02	0.1%	2	278	0.900
9	1	-14	1.26045	75.3366	2.40213e-02	0.1%	2	278	0.900
6	2	7	1.26037	75.3426	8.97321e-03	0.1%	2	89	0.900
6	-2	7	1.26037	75.3426	9.22974e-03	0.1%	2	89	0.900
12	0	4	1.25941	75.4100	3.33149e-03	0.0%	2	160	0.898
15	1	0	1.25919	75.4256	1.80133e-02	0.1%	4	226	0.898
6	0	-14	1.25895	75.4427	1.41447e-02	0.1%	2	232	0.898
5	1	9	1.25886	75.4484	1.46478e-02	0.1%	2	107	0.898
5	-1	9	1.25886	75.4484	1.43572e-02	0.1%	2	107	0.898
4	0	10	1.25879	75.4535	1.12356e-02	0.1%	2	116	0.897
5	3	5	1.25739	75.5520	9.37309e-03	0.1%	2	59	0.895
5	-3	5	1.25739	75.5520	8.04448e-03	0.0%	2	59	0.895
-3	3	9	1.25274	75.8825	2.32687e-02	0.1%	2	99	0.888
3	3	-9	1.25274	75.8825	2.18009e-02	0.1%	2	99	0.888
16	2	-5	1.25238	75.9081	8.03343e-03	0.0%	2	285	0.888
2	5	1.25238	75.9081	7.89583e-03	0.0%	2	285	0.888	
14	0	2	1.25159	75.9643	5.16015e-03	0.0%	2	200	0.887
16	2	-9	1.25138	75.9794	2.22865e-02	0.1%	2	341	0.886
2	9	1.25138	75.9794	2.09676e-02	0.1%	2	341	0.886	
11	3	-1	1.24754	76.2553	1.23544e-02	0.1%	2	131	0.881
3	1	1.24754	76.2553	1.25330e-02	0.1%	2	131	0.881	

17	1	-3	1.24629	76.3456	1.45773e-02	0.1%	2	299	0.879
1	3	1.24629	76.3456	1.41584e-02	0.1%	2	299	0.879	
0	4	0	1.24565	76.3918	9.69238e-03	0.1%	2	16	0.878
10	2	4	1.24449	76.4759	7.68242e-03	0.0%	2	120	0.876
10	-2	4	1.24449	76.4759	8.04153e-03	0.0%	2	120	0.876
18	0	-4	1.24416	76.4998	1.35577e-02	0.1%	2	340	0.876
1	14	1.24305	76.5807	7.61057e-03	0.0%	2	366	0.874	
13	1	-14	1.24305	76.5807	7.90215e-03	0.0%	2	366	0.874
12	2	2	1.24244	76.6251	6.27957e-03	0.0%	2	152	0.873
12	-2	2	1.24244	76.6251	6.58830e-03	0.0%	2	152	0.873
10	0	6	1.24220	76.6423	5.89885e-03	0.0%	2	136	0.873
0	4	1	1.24145	76.6971	3.34695e-03	0.0%	2	17	0.872
0	4	-1	1.24145	76.6971	3.26611e-03	0.0%	2	17	0.872
-4	2	12	1.24087	76.7393	1.95265e-02	0.1%	2	164	0.871
4	2	-12	1.24087	76.7393	1.81692e-02	0.1%	2	164	0.871
2	0	-13	1.24054	76.7635	1.67615e-02	0.1%	2	173	0.871
17	1	-12	1.23924	76.8591	2.12026e-02	0.1%	2	434	0.869
1	12	1.23924	76.8591	2.11997e-02	0.1%	2	434	0.869	
2	4	-1	1.23870	76.8985	9.26357e-03	0.1%	2	21	0.868
-2	4	1	1.23870	76.8985	9.07627e-03	0.1%	2	21	0.868
-7	1	14	1.23841	76.9201	2.40854e-02	0.1%	2	246	0.868
7	1	-14	1.23841	76.9201	2.36717e-02	0.1%	2	246	0.868
-3	1	13	1.23682	77.0368	1.53912e-02	0.1%	2	179	0.865
3	1	-13	1.23682	77.0368	1.49661e-02	0.1%	2	179	0.865
6	0	9	1.23668	77.0473	1.03924e-02	0.1%	2	117	0.865
2	4	0	1.23563	77.1248	1.07236e-02	0.1%	4	20	0.864
3	9	1.23369	77.2683	1.99315e-02	0.1%	2	211	0.861	
11	3	-9	1.23369	77.2683	1.99110e-02	0.1%	2	211	0.861
18	0	-12	1.23368	77.2695	1.58545e-02	0.1%	2	468	0.861
-2	4	2	1.23351	77.2816	1.18333e-02	0.1%	2	24	0.861
2	4	-2	1.23351	77.2816	1.14601e-02	0.1%	2	24	0.861
16	2	-4	1.23170	77.4165	1.48190e-02	0.1%	2	276	0.858
2	4	1.23170	77.4165	1.53961e-02	0.1%	2	276	0.858	
16	2	-10	1.23028	77.5228	4.49562e-03	0.0%	2	360	0.856
2	10	1.23028	77.5228	4.20639e-03	0.0%	2	360	0.856	
9	3	2	1.22993	77.5488	1.02213e-02	0.1%	2	94	0.856
9	-3	2	1.22993	77.5488	9.68251e-03	0.1%	2	94	0.856
-7	3	10	1.22953	77.5787	9.41347e-03	0.1%	2	158	0.855
7	3	-10	1.22953	77.5787	9.07310e-03	0.1%	2	158	0.855
7	1	8	1.22942	77.5868	1.34807e-02	0.1%	2	114	0.855
7	-1	8	1.22942	77.5868	1.21699e-02	0.1%	2	114	0.855

0	4	2	1.22910	77.6110	1.04701e-02	0.1%	2	20	0.854
0	4	-2	1.22910	77.6110	1.02418e-02	0.1%	2	20	0.854
2	12	1.22628	77.8232	1.96917e-02	0.1%	2	344	0.851	
14	2	-12	1.22628	77.8232	1.93800e-02	0.1%	2	344	0.851
13	3	-6	1.22504	77.9164	1.49079e-02	0.1%	2	214	0.849
3	6	1.22504	77.9164	1.37188e-02	0.1%	2	214	0.849	
2	13	1.22449	77.9586	1.12416e-02	0.1%	2	273	0.848	
10	2	-13	1.22449	77.9586	1.16127e-02	0.1%	2	273	0.848
2	4	1	1.22448	77.9591	1.13981e-02	0.1%	2	21	0.848
2	-4	1	1.22448	77.9591	1.18537e-02	0.1%	2	21	0.848
7	3	4	1.22391	78.0022	8.08083e-03	0.0%	2	74	0.847
7	-3	4	1.22391	78.0022	6.88980e-03	0.0%	2	74	0.847
13	3	-5	1.22373	78.0160	3.15313e-03	0.0%	2	203	0.847
3	5	1.22373	78.0160	3.19370e-03	0.0%	2	203	0.847	
8	2	6	1.22257	78.1037	3.85636e-03	0.0%	2	104	0.846
8	-2	6	1.22257	78.1037	4.54912e-03	0.0%	2	104	0.846
-9	3	10	1.22231	78.1239	2.00278e-02	0.1%	2	190	0.845
9	3	-10	1.22231	78.1239	2.12332e-02	0.1%	2	190	0.845
-2	4	3	1.22037	78.2714	4.67046e-03	0.0%	2	29	0.843
2	4	-3	1.22037	78.2714	4.40174e-03	0.0%	2	29	0.843
-8	2	13	1.22037	78.2715	1.25150e-02	0.1%	2	237	0.843
8	2	-13	1.22037	78.2715	1.35898e-02	0.1%	2	237	0.843
13	1	3	1.22031	78.2759	1.09687e-02	0.1%	2	179	0.842
13	-1	3	1.22031	78.2759	1.08266e-02	0.1%	2	179	0.842
16	0	0	1.22009	78.2929	1.22118e-02	0.1%	2	256	0.842
4	4	-2	1.21853	78.4126	1.30915e-02	0.1%	2	36	0.840
-4	4	2	1.21853	78.4126	1.33493e-02	0.1%	2	36	0.840
13	3	-7	1.21838	78.4239	4.99687e-03	0.0%	2	227	0.840
3	7	1.21838	78.4239	4.98894e-03	0.0%	2	227	0.840	
10	0	-15	1.21776	78.4715	2.02907e-02	0.1%	2	325	0.839
-5	3	10	1.21749	78.4928	1.86577e-02	0.1%	2	134	0.839
5	3	-10	1.21749	78.4928	1.74993e-02	0.1%	2	134	0.839
1	3	8	1.21700	78.5299	1.10718e-02	0.1%	2	74	0.838
1	-3	8	1.21700	78.5299	1.13874e-02	0.1%	2	74	0.838
16	0	-14	1.21687	78.5399	1.44805e-02	0.1%	2	452	0.838
14	2	0	1.21677	78.5479	1.04682e-02	0.1%	4	200	0.838
12	0	-15	1.21662	78.5591	3.49422e-02	0.2%	2	369	0.837
4	4	-1	1.21662	78.5597	1.43650e-02	0.1%	2	33	0.837
-4	4	1	1.21662	78.5597	1.51806e-02	0.1%	2	33	0.837
11	1	5	1.21594	78.6121	6.42534e-03	0.0%	2	147	0.837
11	-1	5	1.21594	78.6121	6.19591e-03	0.0%	2	147	0.837
13	3	-4	1.21452	78.7218	1.31714e-02	0.1%	2	194	0.835

3	4	1.21452	78.7218	1.19767e-02	0.1%	2	194	0.835	
11	3	0	1.21265	78.8665	1.63292e-02	0.1%	4	130	0.832
4	4	-3	1.21259	78.8714	1.25270e-02	0.1%	2	41	0.832
-4	4	3	1.21259	78.8714	1.27306e-02	0.1%	2	41	0.832
3	3	7	1.21257	78.8731	1.06178e-02	0.1%	2	67	0.832
3	-3	7	1.21257	78.8731	1.06145e-02	0.1%	2	67	0.832
2	13	1.20962	79.1026	1.02722e-02	0.1%	2	317	0.828	
12	2	-13	1.20962	79.1026	1.05361e-02	0.1%	2	317	0.828
0	4	3	1.20931	79.1271	1.60208e-02	0.1%	2	25	0.828
0	4	-3	1.20931	79.1271	1.55686e-02	0.1%	2	25	0.828
18	0	-3	1.20916	79.1387	2.48833e-03	0.0%	2	333	0.828
2	2	10	1.20860	79.1824	6.19672e-03	0.0%	2	108	0.827
2	-2	10	1.20860	79.1824	7.21738e-03	0.0%	2	108	0.827
-1	3	9	1.20848	79.1919	2.38330e-02	0.1%	2	91	0.827
1	3	-9	1.20848	79.1919	2.46844e-02	0.1%	2	91	0.827
4	0	-14	1.20821	79.2133	7.08360e-03	0.0%	2	212	0.826
4	4	0	1.20696	79.3118	2.52014e-02	0.2%	4	32	0.825
17	1	-2	1.20676	79.3273	5.61709e-03	0.0%	2	294	0.824
1	2	1.20676	79.3273	6.49100e-03	0.0%	2	294	0.824	
1	14	1.20601	79.3867	4.87202e-03	0.0%	2	422	0.824	
15	1	-14	1.20601	79.3867	5.05895e-03	0.0%	2	422	0.824
2	4	2	1.20589	79.3956	1.98936e-02	0.1%	2	24	0.823
2	-4	2	1.20589	79.3956	2.12046e-02	0.1%	2	24	0.823
19	1	-8	1.20512	79.4568	2.19351e-03	0.0%	2	426	0.822
1	8	1.20512	79.4568	2.11843e-03	0.0%	2	426	0.822	
16	2	-3	1.20431	79.5208	3.07078e-03	0.0%	2	269	0.821
2	3	1.20431	79.5208	2.92080e-03	0.0%	2	269	0.821	
13	3	-8	1.20413	79.5350	7.72277e-03	0.0%	2	242	0.821
3	8	1.20413	79.5350	7.72942e-03	0.0%	2	242	0.821	
0	2	11	1.20412	79.5359	1.52914e-02	0.1%	2	125	0.821
0	2	-11	1.20412	79.5359	1.62229e-02	0.1%	2	125	0.821
19	1	-9	1.20342	79.5910	1.40933e-02	0.1%	2	443	0.820
1	9	1.20342	79.5910	1.35526e-02	0.1%	2	443	0.820	
8	0	8	1.20287	79.6351	5.74506e-04	0.0%	2	128	0.819
16	2	-11	1.20254	79.6614	1.30698e-02	0.1%	2	381	0.819
2	11	1.20254	79.6614	1.37925e-02	0.1%	2	381	0.819	
15	1	1	1.20198	79.7058	5.73791e-03	0.0%	2	227	0.818
15	-1	1	1.20198	79.7058	6.00583e-03	0.0%	2	227	0.818
4	2	9	1.20040	79.8317	6.36233e-03	0.0%	2	101	0.816

4	-2	9	1.20040	79.8317	5.57230e-03	0.0%	2	101	0.816
8	0	-15	1.20033	79.8372	1.23252e-02	0.1%	2	289	0.816
-2	4	4	1.20002	79.8617	8.23539e-03	0.0%	2	36	0.816
2	4	-4	1.20002	79.8617	7.25657e-03	0.0%	2	36	0.816
19	1	-7	1.19921	79.9265	1.49740e-02	0.1%	2	411	0.815
1	7	1.19921	79.9265	1.46487e-02	0.1%	2	411	0.815	
-4	4	4	1.19913	79.9333	1.23695e-02	0.1%	2	48	0.815
4	4	-4	1.19913	79.9333	1.22051e-02	0.1%	2	48	0.815
-5	1	14	1.19897	79.9464	7.00603e-03	0.0%	2	222	0.815
5	1	-14	1.19897	79.9464	6.05271e-03	0.0%	2	222	0.815
17	1	-13	1.19895	79.9479	1.78189e-02	0.1%	2	459	0.814
1	13	1.19895	79.9479	1.71881e-02	0.1%	2	459	0.814	
13	3	-3	1.19793	80.0295	9.63473e-03	0.1%	2	187	0.813
3	3	1.19793	80.0295	9.83499e-03	0.1%	2	187	0.813	
-6	2	13	1.19784	80.0364	1.16417e-02	0.1%	2	209	0.813
6	2	-13	1.19784	80.0364	1.18105e-02	0.1%	2	209	0.813
18	0	-13	1.19716	80.0913	1.27693e-02	0.1%	2	493	0.812
14	0	-15	1.19707	80.0989	8.95698e-03	0.1%	2	421	0.812
3	10	1.19680	80.1201	9.54298e-03	0.1%	2	230	0.812	
11	3	-10	1.19680	80.1201	9.97035e-03	0.1%	2	230	0.812
5	3	6	1.19559	80.2180	6.14763e-03	0.0%	2	70	0.810
5	-3	6	1.19559	80.2180	4.70221e-03	0.0%	2	70	0.810
19	1	-10	1.19423	80.3282	2.59551e-03	0.0%	2	462	0.809
1	10	1.19423	80.3282	2.73996e-03	0.0%	2	462	0.809	
4	4	1	1.19009	80.6646	1.23584e-02	0.1%	2	33	0.804
4	-4	1	1.19009	80.6646	1.38757e-02	0.1%	2	33	0.804
9	1	7	1.18955	80.7084	9.81057e-03	0.1%	2	131	0.803
9	-1	7	1.18955	80.7084	9.26790e-03	0.1%	2	131	0.803
-3	3	10	1.18780	80.8525	1.82651e-02	0.1%	2	118	0.801
3	3	-10	1.18780	80.8525	1.92919e-02	0.1%	2	118	0.801
-2	2	12	1.18735	80.8892	9.76190e-03	0.1%	2	152	0.800
2	2	-12	1.18735	80.8892	9.26491e-03	0.1%	2	152	0.800
6	4	-3	1.18700	80.9184	1.55962e-02	0.1%	2	61	0.800
-6	4	3	1.18700	80.9184	1.64026e-02	0.1%	2	61	0.800
6	4	-2	1.18616	80.9871	9.00770e-03	0.1%	2	56	0.799
-6	4	2	1.18616	80.9871	9.69771e-03	0.1%	2	56	0.799
19	1	-6	1.18604	80.9974	2.38165e-03	0.0%	2	398	0.799
1	6	1.18604	80.9974	2.40134e-03	0.0%	2	398	0.799	
1	15	1.18460	81.1165	1.38149e-02	0.1%	2	347	0.797	
11	1	-15	1.18460	81.1165	1.46900e-02	0.1%	2	347	0.797

14	0	3	1.18386	81.1774	6.03860e-03	0.0%	2	205	0.796
0	4	4	1.18314	81.2371	6.41063e-03	0.0%	2	32	0.795
0	4	-4	1.18314	81.2371	6.21748e-03	0.0%	2	32	0.795
13	3	-9	1.18306	81.2437	1.60852e-02	0.1%	2	259	0.795
3	9	1.18306	81.2437	1.59415e-02	0.1%	2	259	0.795	
12	2	3	1.18235	81.3032	9.35549e-03	0.1%	2	157	0.794
12	-2	3	1.18235	81.3032	9.13549e-03	0.1%	2	157	0.794
12	0	5	1.18224	81.3123	8.76535e-03	0.1%	2	169	0.794
2	4	3	1.18087	81.4266	8.05836e-03	0.0%	2	29	0.792
2	-4	3	1.18087	81.4266	9.82899e-03	0.1%	2	29	0.792
9	3	3	1.18084	81.4287	7.11698e-03	0.0%	2	99	0.792
9	-3	3	1.18084	81.4287	6.94210e-03	0.0%	2	99	0.792
6	4	-4	1.18058	81.4510	1.06560e-02	0.1%	2	68	0.792
-6	4	4	1.18058	81.4510	1.13150e-02	0.1%	2	68	0.792
1	1	12	1.18045	81.4617	1.25822e-02	0.1%	2	146	0.792
1	-1	12	1.18045	81.4617	1.34792e-02	0.1%	2	146	0.792
6	2	8	1.18025	81.4782	1.12503e-02	0.1%	2	104	0.792
6	-2	8	1.18025	81.4782	1.02883e-02	0.1%	2	104	0.792
3	1	11	1.18007	81.4930	1.15909e-02	0.1%	2	131	0.792
3	-1	11	1.18007	81.4930	1.17603e-02	0.1%	2	131	0.792
20	0	-9	1.17991	81.5071	4.68056e-03	0.0%	2	481	0.791
-4	4	5	1.17888	81.5926	3.54646e-03	0.0%	2	57	0.790
4	4	-5	1.17888	81.5926	3.22015e-03	0.0%	2	57	0.790
20	0	-8	1.17838	81.6353	1.11866e-02	0.1%	2	464	0.790
6	4	-1	1.17812	81.6565	1.90889e-02	0.1%	2	53	0.789
-6	4	1	1.17812	81.6565	2.04245e-02	0.1%	2	53	0.789
19	1	-11	1.17803	81.6645	8.34396e-03	0.0%	2	483	0.789
1	11	1.17803	81.6645	7.80800e-03	0.0%	2	483	0.789	
2	13	1.17776	81.6872	1.26650e-02	0.1%	2	369	0.789	
14	2	-13	1.17776	81.6872	1.31669e-02	0.1%	2	369	0.789
-9	1	15	1.17700	81.7513	1.79959e-02	0.1%	2	307	0.788
9	1	-15	1.17700	81.7513	1.91525e-02	0.1%	2	307	0.788
10	2	5	1.17601	81.8344	8.57113e-03	0.1%	2	129	0.787
10	-2	5	1.17601	81.8344	8.94547e-03	0.1%	2	129	0.787
1	15	1.17494	81.9249	9.79461e-03	0.1%	2	395	0.786	
13	1	-15	1.17494	81.9249	9.81406e-03	0.1%	2	395	0.786
13	3	-2	1.17485	81.9324	5.54196e-03	0.0%	2	182	0.785
3	2	1.17485	81.9324	6.59389e-03	0.0%	2	182	0.785	
20	0	-10	1.17430	81.9791	6.86250e-03	0.0%	2	500	0.785
-2	4	5	1.17353	82.0443	9.95901e-03	0.1%	2	45	0.784
2	4	-5	1.17353	82.0443	9.04856e-03	0.1%	2	45	0.784
11	3	1	1.17341	82.0546	1.41353e-02	0.1%	2	131	0.784

11	-3	1	1.17341	82.0546	1.55811e-02	0.1%	2	131	0.784
-7	3	11	1.17316	82.0759	1.16958e-02	0.1%	2	179	0.784
7	3	-11	1.17316	82.0759	1.16445e-02	0.1%	2	179	0.784
-9	3	11	1.17298	82.0915	5.69756e-03	0.0%	2	211	0.783
9	3	-11	1.17298	82.0915	5.71876e-03	0.0%	2	211	0.783
16	2	-2	1.17158	82.2107	1.15616e-02	0.1%	2	264	0.782
2	2	1.17158	82.2107	1.13223e-02	0.1%	2	264	0.782	
18	0	-2	1.16990	82.3542	6.91252e-03	0.0%	2	328	0.780
20	0	-7	1.16980	82.3633	7.73370e-03	0.0%	2	449	0.780
2	0	12	1.16968	82.3730	5.97957e-03	0.0%	2	148	0.780
16	2	-12	1.16954	82.3852	2.77893e-02	0.2%	2	404	0.779
2	12	1.16954	82.3852	2.86839e-02	0.2%	2	404	0.779	
-1	1	13	1.16906	82.4264	1.14524e-02	0.1%	2	171	0.779
1	1	-13	1.16906	82.4264	1.19552e-02	0.1%	2	171	0.779
5	1	10	1.16797	82.5199	3.03674e-03	0.0%	2	126	0.778
5	-1	10	1.16797	82.5199	2.88240e-03	0.0%	2	126	0.778
14	2	1	1.16794	82.5229	6.52331e-03	0.0%	2	201	0.778
14	-2	1	1.16794	82.5229	6.87281e-03	0.0%	2	201	0.778
7	3	5	1.16759	82.5531	7.71366e-03	0.0%	2	83	0.777
7	-3	5	1.16759	82.5531	7.08602e-03	0.0%	2	83	0.777
-6	4	5	1.16725	82.5821	1.52910e-02	0.1%	2	77	0.777
6	4	-5	1.16725	82.5821	1.59020e-02	0.1%	2	77	0.777
4	4	2	1.16691	82.6115	1.29780e-02	0.1%	2	36	0.776
4	-4	2	1.16691	82.6115	1.51399e-02	0.1%	2	36	0.776
6	0	-15	1.16660	82.6386	6.53945e-03	0.0%	2	261	0.776
19	1	-5	1.16630	82.6644	1.08358e-02	0.1%	2	387	0.776
1	5	1.16630	82.6644	1.15160e-02	0.1%	2	387	0.776	
16	0	1	1.16481	82.7927	7.06355e-03	0.0%	2	257	0.774
4	0	11	1.16401	82.8628	6.39606e-03	0.0%	2	137	0.773
0	0	13	1.16384	82.8775	2.37281e-02	0.1%	2	169	0.773
17	1	-1	1.16382	82.8790	1.02868e-02	0.1%	2	291	0.773
1	1	1.16382	82.8790	1.08641e-02	0.1%	2	291	0.773	
6	4	0	1.16331	82.9237	1.44443e-02	0.1%	4	52	0.772
20	0	-11	1.16187	83.0493	8.20627e-03	0.0%	2	521	0.771
16	0	-15	1.16161	83.0715	1.25924e-02	0.1%	2	481	0.771
18	2	-8	1.16031	83.1851	6.32063e-03	0.0%	2	392	0.769
2	8	1.16031	83.1851	6.25889e-03	0.0%	2	392	0.769	
10	0	7	1.16019	83.1957	1.76250e-03	0.0%	2	149	0.769
-4	2	13	1.15979	83.2313	8.39276e-03	0.1%	2	189	0.769
4	2	-13	1.15979	83.2313	8.42316e-03	0.1%	2	189	0.769
18	2	-7	1.15799	83.3898	1.80109e-02	0.1%	2	377	0.767
2	7	1.15	83.3898	1.79671e-02	0.1%	2	377	0.767	

		799							
2	14	1.15715	83.4638	1.64894e-02	0.1%	2	300	0.766	
10	2	-14	1.15715	83.4638	1.72124e-02	0.1%	2	300	0.766
18	0	-14	1.15688	83.4872	1.76944e-02	0.1%	2	520	0.766
-5	3	11	1.15675	83.4989	1.08233e-02	0.1%	2	155	0.765
5	3	-11	1.15675	83.4989	1.12338e-02	0.1%	2	155	0.765
13	3	-10	1.15625	83.5427	7.44612e-03	0.0%	2	278	0.765
3	10	1.15625	83.5427	8.12529e-03	0.0%	2	278	0.765	
3	11	1.15622	83.5455	1.52457e-02	0.1%	2	251	0.765	
11	3	-11	1.15622	83.5455	1.58853e-02	0.1%	2	251	0.765
18	2	-9	1.15585	83.5784	8.95250e-03	0.1%	2	409	0.764
2	9	1.15585	83.5784	8.99148e-03	0.1%	2	409	0.764	
19	1	-12	1.15567	83.5944	1.16283e-02	0.1%	2	506	0.764
1	12	1.15567	83.5944	1.16187e-02	0.1%	2	506	0.764	
1	14	1.15555	83.6055	1.04371e-02	0.1%	2	486	0.764	
17	1	-14	1.15555	83.6055	1.03345e-02	0.1%	2	486	0.764
20	0	-6	1.15462	83.6880	1.46207e-02	0.1%	2	436	0.763
13	1	4	1.15349	83.7886	8.35296e-03	0.0%	2	186	0.762
13	-1	4	1.15349	83.7886	8.86573e-03	0.1%	2	186	0.762
-7	1	15	1.15310	83.8227	7.03143e-03	0.0%	2	275	0.762
7	1	-15	1.15310	83.8227	6.77143e-03	0.0%	2	275	0.762
-4	4	6	1.15288	83.8427	8.35134e-03	0.0%	2	68	0.761
4	4	-6	1.15288	83.8427	8.15551e-03	0.0%	2	68	0.761
1	3	9	1.15221	83.9025	2.15963e-02	0.1%	2	91	0.761
1	-3	9	1.15221	83.9025	1.90211e-02	0.1%	2	91	0.761
0	4	5	1.15187	83.9328	1.99778e-02	0.1%	2	41	0.760
0	4	-5	1.15187	83.9328	2.12626e-02	0.1%	2	41	0.760
2	4	4	1.15063	84.0444	9.43355e-03	0.1%	2	36	0.759
2	-4	4	1.15063	84.0444	1.04733e-02	0.1%	2	36	0.759
2	14	1.15033	84.0709	8.07775e-03	0.0%	2	344	0.759	
12	2	-14	1.15033	84.0709	8.46270e-03	0.1%	2	344	0.759
8	2	7	1.14990	84.1098	1.43696e-02	0.1%	2	117	0.758
8	-2	7	1.14990	84.1098	1.42583e-02	0.1%	2	117	0.758
3	3	8	1.14929	84.1641	8.02384e-03	0.0%	2	82	0.758
3	-3	8	1.14929	84.1641	7.55722e-03	0.0%	2	82	0.758
1	15	1.14925	84.1682	2.35496e-02	0.1%	2	451	0.758	
15	1	-15	1.14925	84.1682	2.34144e-02	0.1%	2	451	0.758
18	2	-6	1.14899	84.1918	6.58499e-03	0.0%	2	364	0.757
2	6	1.14899	84.1918	7.61774e-03	0.0%	2	364	0.757	

-8	2	14	1.14787	84.2923	1.01860e-02	0.1%	2	264	0.756
8	2	-14	1.14787	84.2923	1.08942e-02	0.1%	2	264	0.756
-6	4	6	1.14770	84.3077	5.16728e-03	0.0%	2	88	0.756
6	4	-6	1.14770	84.3077	5.18582e-03	0.0%	2	88	0.756
6	0	10	1.14730	84.3438	4.52134e-03	0.0%	2	136	0.756
2	0	-14	1.14698	84.3731	1.31888e-02	0.1%	2	200	0.755
-3	1	14	1.14690	84.3806	7.17632e-03	0.0%	2	206	0.755
3	1	-14	1.14690	84.3806	6.56192e-03	0.0%	2	206	0.755
8	4	-3	1.14679	84.3899	1.25484e-02	0.1%	2	89	0.755
-8	4	3	1.14679	84.3899	1.23683e-02	0.1%	2	89	0.755
8	4	-4	1.14670	84.3986	9.22238e-03	0.1%	2	96	0.755
-8	4	4	1.14670	84.3986	9.64916e-03	0.1%	2	96	0.755
13	3	-1	1.14642	84.4235	1.29317e-02	0.1%	2	179	0.755
3	1	1.14642	84.4235	1.42450e-02	0.1%	2	179	0.755	
15	1	2	1.14530	84.5255	1.03561e-02	0.1%	2	230	0.754
15	-1	2	1.14530	84.5255	1.05077e-02	0.1%	2	230	0.754
7	1	9	1.14519	84.5358	1.12709e-03	0.0%	2	131	0.754
7	-1	9	1.14519	84.5358	1.33815e-03	0.0%	2	131	0.754
18	2	-10	1.14483	84.5684	6.53478e-03	0.0%	2	428	0.753
2	10	1.14483	84.5684	5.53785e-03	0.0%	2	428	0.753	
-1	3	10	1.14413	84.6321	1.43497e-02	0.1%	2	110	0.752
1	3	-10	1.14413	84.6321	1.35380e-02	0.1%	2	110	0.752
20	0	-12	1.14323	84.7139	3.60461e-03	0.0%	2	544	0.752
12	0	-16	1.14307	84.7289	3.66875e-03	0.0%	2	400	0.751
6	4	1	1.14246	84.7842	7.51089e-03	0.0%	2	53	0.751
6	-4	1	1.14246	84.7842	7.29746e-03	0.0%	2	53	0.751
11	1	6	1.14236	84.7933	3.21891e-03	0.0%	2	158	0.751
11	-1	6	1.14236	84.7933	3.50109e-03	0.0%	2	158	0.751
-2	4	6	1.14216	84.8121	5.47048e-03	0.0%	2	56	0.751
2	4	-6	1.14216	84.8121	5.54908e-03	0.0%	2	56	0.751
15	3	-7	1.14161	84.8629	8.25451e-03	0.0%	2	283	0.750
3	7	1.14161	84.8629	6.97882e-03	0.0%	2	283	0.750	
15	3	-6	1.14138	84.8839	4.53516e-03	0.0%	2	270	0.750
3	6	1.14138	84.8839	4.94967e-03	0.0%	2	270	0.750	
19	1	-4	1.14096	84.9218	2.02465e-02	0.1%	2	378	0.749
1	4	1.14096	84.9218	2.12429e-02	0.1%	2	378	0.749	
8	4	-2	1.14036	84.9778	3.46752e-03	0.0%	2	84	0.749
-8	4	2	1.14036	84.9778	3.51875e-03	0.0%	2	84	0.749
8	4	-5	1.14007	85.0038	9.62222e-03	0.1%	2	105	0.749
-8	4	5	1.14007	85.0038	9.81466e-03	0.1%	2	105	0.749
4	4	3	1.13853	85.1463	4.88572e-03	0.0%	2	41	0.747
4	-4	3	1.13853	85.1463	5.14811e-03	0.0%	2	41	0.747

10	0	-16	1.13836	85.1622	1.92379e-02	0.1%	2	356	0.747
5	3	7	1.13563	85.4154	7.70715e-03	0.0%	2	83	0.744
5	-3	7	1.13563	85.4154	8.20978e-03	0.0%	2	83	0.744
15	3	-8	1.13539	85.4380	1.15349e-02	0.1%	2	298	0.744
3	8	1.13539	85.4380	1.22374e-02	0.1%	2	298	0.744	
16	2	-1	1.13494	85.4796	4.26964e-03	0.0%	2	261	0.744
2	1	1.13494	85.4796	4.40603e-03	0.0%	2	261	0.744	
15	3	-5	1.13471	85.5010	1.44047e-02	0.1%	2	259	0.743
3	5	1.13471	85.5010	1.47990e-02	0.1%	2	259	0.743	
18	2	-5	1.13377	85.5886	3.11210e-03	0.0%	2	353	0.743
2	5	1.13377	85.5886	2.94008e-03	0.0%	2	353	0.743	
20	0	-5	1.13360	85.6053	4.24033e-03	0.0%	2	425	0.742
2	13	1.13272	85.6877	4.62733e-03	0.0%	2	429	0.742	
16	2	-13	1.13272	85.6877	4.18986e-03	0.0%	2	429	0.742
14	0	-16	1.13229	85.7279	4.32541e-03	0.0%	2	452	0.741
11	3	2	1.13137	85.8140	5.32047e-03	0.0%	2	134	0.740
11	-3	2	1.13137	85.8140	5.90366e-03	0.0%	2	134	0.740
9	3	4	1.13083	85.8651	5.25813e-03	0.0%	2	106	0.740
9	-3	4	1.13083	85.8651	6.56342e-03	0.0%	2	106	0.740
2	2	11	1.12943	85.9977	1.54126e-02	0.1%	2	129	0.739
2	-2	11	1.12943	85.9977	1.60436e-02	0.1%	2	129	0.739
2	14	1.12825	86.1091	7.70290e-03	0.0%	2	396	0.737	
14	2	-14	1.12825	86.1091	6.93336e-03	0.0%	2	396	0.737
19	1	-13	1.12821	86.1126	2.82632e-03	0.0%	2	531	0.737
1	13	1.12821	86.1126	2.61947e-03	0.0%	2	531	0.737	
18	0	-1	1.12791	86.1411	2.36946e-02	0.1%	2	325	0.737
18	2	-11	1.12780	86.1523	5.26533e-03	0.0%	2	449	0.737
2	11	1.12780	86.1523	5.45378e-03	0.0%	2	449	0.737	
8	4	-1	1.12771	86.1606	7.58974e-03	0.0%	2	81	0.737
-8	4	1	1.12771	86.1606	6.63433e-03	0.0%	2	81	0.737
8	4	-6	1.12725	86.2040	1.55924e-02	0.1%	2	116	0.737
-8	4	6	1.12725	86.2040	1.55277e-02	0.1%	2	116	0.737
-3	3	11	1.12573	86.3493	7.98524e-03	0.0%	2	139	0.735
3	3	-11	1.12573	86.3493	8.16536e-03	0.0%	2	139	0.735
0	2	12	1.12496	86.4225	8.75297e-03	0.1%	2	148	0.735
0	2	-12	1.12496	86.4225	8.46173e-03	0.1%	2	148	0.735
3	11	1.12492	86.4266	1.30293e-02	0.1%	2	299	0.734	
13	3	-11	1.12492	86.4266	1.27772e-02	0.1%	2	299	0.734
12	2	4	1.12396	86.5189	5.95093e-03	0.0%	2	164	0.734

12	-2	4	1.12396	86.5189	5.61675e-03	0.0%	2	164	0.734
-6	2	14	1.12363	86.5505	1.02444e-02	0.1%	2	236	0.733
6	2	-14	1.12363	86.5505	1.06164e-02	0.1%	2	236	0.733
4	2	10	1.12352	86.5610	8.70555e-03	0.1%	2	120	0.733
4	-2	10	1.12352	86.5610	8.63040e-03	0.1%	2	120	0.733
15	3	-9	1.12303	86.6079	8.82092e-03	0.1%	2	315	0.733
3	9	1.12303	86.6079	8.88994e-03	0.1%	2	315	0.733	
-9	3	12	1.12294	86.6163	1.06504e-02	0.1%	2	234	0.733
9	3	-12	1.12294	86.6163	1.07373e-02	0.1%	2	234	0.733
-6	4	7	1.12287	86.6233	4.49724e-03	0.0%	2	101	0.733
6	4	-7	1.12287	86.6233	4.84645e-03	0.0%	2	101	0.733
-4	4	7	1.12230	86.6784	4.27791e-03	0.0%	2	81	0.732
4	4	-7	1.12230	86.6784	3.93085e-03	0.0%	2	81	0.732
15	3	-4	1.12194	86.7127	3.95488e-03	0.0%	2	250	0.732
3	4	1.12194	86.7127	4.58476e-03	0.0%	2	250	0.732	
8	0	9	1.12094	86.8091	7.65837e-03	0.0%	2	145	0.731
4	0	-15	1.12049	86.8529	5.97206e-03	0.0%	2	241	0.731
14	0	4	1.11987	86.9127	7.71391e-03	0.0%	2	212	0.730
20	0	-13	1.11929	86.9690	5.01726e-03	0.0%	2	569	0.730
17	1	0	1.11899	86.9984	4.82255e-03	0.0%	4	290	0.729
8	0	-16	1.11871	87.0255	1.79035e-02	0.1%	2	320	0.729
14	2	2	1.11839	87.0568	5.94363e-03	0.0%	2	204	0.729
14	-2	2	1.11839	87.0568	6.26701e-03	0.0%	2	204	0.729
-7	3	12	1.11775	87.1192	7.55307e-03	0.0%	2	202	0.728
7	3	-12	1.11775	87.1192	7.22637e-03	0.0%	2	202	0.728
0	4	6	1.11682	87.2099	6.96995e-03	0.0%	2	52	0.728
0	4	-6	1.11682	87.2099	7.54190e-03	0.0%	2	52	0.728
6	4	2	1.11657	87.2340	9.15068e-03	0.1%	2	56	0.727
6	-4	2	1.11657	87.2340	8.32808e-03	0.0%	2	56	0.727
2	4	5	1.11646	87.2445	1.50799e-02	0.1%	2	45	0.727
2	-4	5	1.11646	87.2445	1.61576e-02	0.1%	2	45	0.727
-5	1	15	1.11574	87.3157	6.10427e-03	0.0%	2	251	0.727
5	1	-15	1.11574	87.3157	5.65655e-03	0.0%	2	251	0.727
18	0	-15	1.11432	87.4550	1.71358e-02	0.1%	2	549	0.725
13	3	0	1.11387	87.4987	1.31679e-02	0.1%	4	178	0.725
1	16	1.11375	87.5114	1.40242e-02	0.1%	2	378	0.725	
11	1	-16	1.11375	87.5114	1.50430e-02	0.1%	2	378	0.725
9	1	8	1.11353	87.5323	2.87104e-03	0.0%	2	146	0.725
9	-1	8	1.11353	87.5323	2.66158e-03	0.0%	2	146	0.725
3	12	1.11343	87.5426	1.19128e-02	0.1%	2	274	0.725	
11	3	-12	1.11343	87.5426	1.13263e-02	0.1%	2	274	0.725
18	2	-4	1.11308	87.5775	1.16676e-02	0.1%	2	344	0.724
2	4	1.11	87.5775	1.15268e-02	0.1%	2	344	0.724	

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7	3	6	1.11232	87.6518	4.42048e-03	0.0%	2	94	0.724
7	-3	6	1.11232	87.6518	4.41202e-03	0.0%	2	94	0.724
10	2	6	1.11167	87.7161	6.15846e-03	0.0%	2	140	0.723
10	-2	6	1.11167	87.7161	5.99179e-03	0.0%	2	140	0.723
12	0	6	1.11166	87.7173	6.37082e-03	0.0%	2	180	0.723
19	1	-3	1.11117	87.7659	5.55829e-03	0.0%	2	371	0.723
1	3	1.11117	87.7659	6.23313e-03	0.0%	2	371	0.723	
1	16	1.11089	87.7936	1.65305e-02	0.1%	2	426	0.723	
13	1	-16	1.11089	87.7936	1.64501e-02	0.1%	2	426	0.723
1	15	1.11051	87.8316	2.30724e-02	0.1%	2	515	0.722	
17	1	-15	1.11051	87.8316	2.27692e-02	0.1%	2	515	0.722
-2	2	13	1.11048	87.8342	1.28453e-02	0.1%	2	177	0.722
2	2	-13	1.11048	87.8342	1.24071e-02	0.1%	2	177	0.722
16	0	2	1.11040	87.8428	1.00077e-02	0.1%	2	260	0.722
8	4	0	1.10946	87.9364	1.35572e-02	0.1%	4	80	0.722
-8	4	7	1.10885	87.9969	5.10768e-03	0.0%	2	129	0.721
8	4	-7	1.10885	87.9969	5.33157e-03	0.0%	2	129	0.721
6	2	9	1.10771	88.1108	4.87460e-03	0.0%	2	121	0.720
6	-2	9	1.10771	88.1108	4.74386e-03	0.0%	2	121	0.720
20	0	-4	1.10770	88.1121	8.20851e-03	0.0%	2	416	0.720
16	0	-16	1.10728	88.1542	6.64302e-03	0.0%	2	512	0.720
-2	4	7	1.10720	88.1622	6.97205e-03	0.0%	2	69	0.720
2	4	-7	1.10720	88.1622	7.20240e-03	0.0%	2	69	0.720
4	4	4	1.10616	88.2659	6.26475e-03	0.0%	2	48	0.719
4	-4	4	1.10616	88.2659	6.18731e-03	0.0%	2	48	0.719
18	2	-12	1.10555	88.3276	1.07251e-02	0.1%	2	472	0.719
2	12	1.10555	88.3276	1.06227e-02	0.1%	2	472	0.719	
15	3	-10	1.10512	88.3707	1.03522e-02	0.1%	2	334	0.718
3	10	1.10512	88.3707	1.05477e-02	0.1%	2	334	0.718	
15	3	-3	1.10367	88.5172	8.11550e-03	0.0%	2	243	0.717
3	3	1.10367	88.5172	9.38367e-03	0.1%	2	243	0.717	
-9	1	16	1.10229	88.6573	6.26622e-03	0.0%	2	338	0.716
9	1	-16	1.10229	88.6573	6.82534e-03	0.0%	2	338	0.716
10	4	-4	1.10128	88.7594	5.50620e-03	0.0%	2	132	0.715
4	4	1.10128	88.7594	4.50658e-03	0.0%	2	132	0.715	
10	4	-5	1.10045	88.8445	6.24483e-03	0.0%	2	141	0.715
4	5	1.10045	88.8445	6.38536e-03	0.0%	2	141	0.715	
-5	3	12	1.09844	89.0497	5.58677e-03	0.0%	2	178	0.713

5	3	-12	1.09844	89.0497	5.76658e-03	0.0%	2	178	0.713
3	1	12	1.09765	89.1314	5.94019e-03	0.0%	2	154	0.713
3	-1	12	1.09765	89.1314	6.07728e-03	0.0%	2	154	0.713
1	1	13	1.09721	89.1769	3.53239e-03	0.0%	2	171	0.712
1	-1	13	1.09721	89.1769	4.21482e-03	0.0%	2	171	0.712
19	1	-14	1.09681	89.2174	1.43569e-02	0.1%	2	558	0.712
1	14	1.09681	89.2174	1.42933e-02	0.1%	2	558	0.712	
21	1	-9	1.09638	89.2618	9.83035e-03	0.1%	2	523	0.712
1	9	1.09638	89.2618	9.95310e-03	0.1%	2	523	0.712	
10	4	-3	1.09632	89.2684	2.03395e-03	0.0%	2	125	0.712
4	3	1.09632	89.2684	1.68725e-03	0.0%	2	125	0.712	
16	2	0	1.09574	89.3279	7.23569e-03	0.0%	4	260	0.711
21	1	-10	1.09437	89.4701	4.56359e-03	0.0%	2	542	0.710
1	10	1.09437	89.4701	4.34083e-03	0.0%	2	542	0.710	
2	15	1.09405	89.5029	6.25036e-03	0.0%	2	329	0.710	
10	2	-15	1.09405	89.5029	6.15954e-03	0.0%	2	329	0.710
1	16	1.09405	89.5032	6.37212e-03	0.0%	2	482	0.710	
15	1	-16	1.09405	89.5032	6.10150e-03	0.0%	2	482	0.710
10	4	-6	1.09385	89.5236	7.79055e-03	0.0%	2	152	0.710
4	6	1.09385	89.5236	7.56208e-03	0.0%	2	152	0.710	
-6	4	8	1.09382	89.5274	6.60522e-03	0.0%	2	116	0.710
6	4	-8	1.09382	89.5274	6.35997e-03	0.0%	2	116	0.710
2	14	1.09341	89.5700	1.16868e-02	0.1%	2	456	0.710	
16	2	-14	1.09341	89.5700	1.17515e-02	0.1%	2	456	0.710
2	15	1.09323	89.5888	1.41649e-02	0.1%	2	373	0.710	
12	2	-15	1.09323	89.5888	1.31098e-02	0.1%	2	373	0.710
21	1	-8	1.09266	89.6475	7.06169e-03	0.0%	2	506	0.709
1	8	1.09266	89.6475	7.60157e-03	0.0%	2	506	0.709	
20	0	-14	1.09108	89.8135	6.83300e-03	0.0%	2	596	0.708
1	3	10	1.09105	89.8157	9.25155e-03	0.1%	2	110	0.708
1	-3	10	1.09105	89.8157	1.00954e-02	0.1%	2	110	0.708
13	1	5	1.09084	89.8379	3.22114e-03	0.0%	2	195	0.708
13	-1	5	1.09084	89.8379	3.95229e-03	0.0%	2	195	0.708
3	12	1.09029	89.8955	6.11709e-03	0.0%	2	322	0.708	
13	3	-12	1.09029	89.8955	5.92417e-03	0.0%	2	322	0.708
15	1	3	1.09024	89.9006	1.19540e-02	0.1%	2	235	0.708
15	-1	3	1.09024	89.9006	1.29694e-02	0.1%	2	235	0.708

3	3	9	1.08930	89.9994	5.85253e-03	0.0%	2	99	0.707
3	-3	9	1.08930	89.9994	5.64279e-03	0.0%	2	99	0.707
5	1	11	1.08862	90.0719	7.32363e-03	0.0%	2	147	0.707
5	-1	11	1.08862	90.0719	6.65417e-03	0.0%	2	147	0.707
-4	4	8	1.08835	90.1000	4.02256e-03	0.0%	2	96	0.706
4	4	-8	1.08835	90.1000	3.90581e-03	0.0%	2	96	0.706
11	3	3	1.08788	90.1493	3.17522e-03	0.0%	2	139	0.706
11	-3	3	1.08788	90.1493	4.59885e-03	0.0%	2	139	0.706
18	2	-3	1.08780	90.1574	2.24081e-03	0.0%	2	337	0.706
2	3	1.08780	90.1574	2.76072e-03	0.0%	2	337	0.706	
-1	1	14	1.08732	90.2084	1.26284e-02	0.1%	2	198	0.706
1	1	-14	1.08732	90.2084	1.32856e-02	0.1%	2	198	0.706
-4	2	14	1.08711	90.2307	8.82417e-03	0.1%	2	216	0.706
4	2	-14	1.08711	90.2307	9.35209e-03	0.1%	2	216	0.706
10	0	8	1.08689	90.2545	1.26070e-02	0.1%	2	164	0.706
21	1	-11	1.08672	90.2724	5.91001e-03	0.0%	2	563	0.705
1	11	1.08672	90.2724	5.90409e-03	0.0%	2	563	0.705	
6	4	3	1.08671	90.2728	8.71507e-04	0.0%	2	61	0.705
6	-4	3	1.08671	90.2728	6.97509e-04	0.0%	2	61	0.705
8	4	1	1.08642	90.3041	3.19865e-03	0.0%	2	81	0.705
8	-4	1	1.08642	90.3041	2.41585e-03	0.0%	2	81	0.705
6	0	-16	1.08634	90.3129	3.76096e-03	0.0%	2	292	0.705
2	0	13	1.08610	90.3379	8.51568e-03	0.1%	2	173	0.705
10	4	-2	1.08578	90.3714	6.37600e-03	0.0%	2	120	0.705
4	2	1.08578	90.3714	5.38717e-03	0.0%	2	120	0.705	
-8	4	8	1.08569	90.3819	9.86514e-03	0.1%	2	144	0.705
8	4	-8	1.08569	90.3819	1.04247e-02	0.1%	2	144	0.705
18	0	0	1.08453	90.5052	9.64742e-03	0.1%	2	324	0.704
-1	3	11	1.08347	90.6180	7.51374e-03	0.0%	2	131	0.703
1	3	-11	1.08347	90.6180	7.46781e-03	0.0%	2	131	0.703
21	1	-7	1.08338	90.6272	5.29814e-03	0.0%	2	491	0.703
1	7	1.08338	90.6272	5.52096e-03	0.0%	2	491	0.703	
8	2	8	1.08321	90.6453	2.27895e-03	0.0%	2	132	0.703
8	-2	8	1.08321	90.6453	2.52126e-03	0.0%	2	132	0.703
15	3	-11	1.08246	90.7259	8.06290e-03	0.0%	2	355	0.703
3	11	1.08246	90.7259	8.19523e-03	0.0%	2	355	0.703	
4	0	12	1.08226	90.7472	8.76132e-03	0.1%	2	160	0.703
10	4	-7	1.08180	90.7967	5.79382e-03	0.0%	2	165	0.702
4	7	1.08180	90.7967	6.01290e-03	0.0%	2	165	0.702	
-8	2	15	1.08136	90.8442	9.90307e-03	0.1%	2	293	0.702
8	2	-15	1.08136	90.8442	9.67414e-03	0.1%	2	293	0.702

9	3	5	1.08111	90.8707	8.03899e-03	0.0%	2	115	0.702
9	-3	5	1.08111	90.8707	9.10399e-03	0.1%	2	115	0.702
15	3	-2	1.08071	90.9142	8.06430e-03	0.0%	2	238	0.702
3	2	1.08071	90.9142	8.49926e-03	0.1%	2	238	0.702	
0	0	14	1.08071	90.9146	6.56124e-03	0.0%	2	196	0.702
2	4	6	1.07964	91.0301	7.40139e-03	0.0%	2	56	0.701
2	-4	6	1.07964	91.0301	7.27955e-03	0.0%	2	56	0.701
0	4	7	1.07925	91.0720	1.04386e-02	0.1%	2	65	0.701
0	4	-7	1.07925	91.0720	1.18313e-02	0.1%	2	65	0.701
18	2	-13	1.07904	91.0945	8.80921e-03	0.1%	2	497	0.701
2	13	1.07904	91.0945	9.57570e-03	0.1%	2	497	0.701	
2	15	1.07897	91.1019	1.18399e-02	0.1%	2	425	0.701	
14	2	-15	1.07897	91.1019	1.17098e-02	0.1%	2	425	0.701
13	3	1	1.07843	91.1608	7.37288e-03	0.0%	2	179	0.700
13	-3	1	1.07843	91.1608	8.47532e-03	0.1%	2	179	0.700
5	3	8	1.07835	91.1692	6.16286e-03	0.0%	2	98	0.700
5	-3	8	1.07835	91.1692	6.44070e-03	0.0%	2	98	0.700
19	1	-2	1.07808	91.1986	4.93584e-03	0.0%	2	366	0.700
1	2	1.07808	91.1986	5.10107e-03	0.0%	2	366	0.700	
20	0	-3	1.07798	91.2093	2.12650e-03	0.0%	2	409	0.700
-7	1	16	1.07779	91.2300	5.46358e-03	0.0%	2	306	0.700
7	1	-16	1.07779	91.2300	5.65516e-03	0.0%	2	306	0.700
12	0	-17	1.07594	91.4317	1.31124e-02	0.1%	2	433	0.699
11	1	7	1.07524	91.5082	1.09510e-02	0.1%	2	171	0.699
11	-1	7	1.07524	91.5082	1.10943e-02	0.1%	2	171	0.699
21	1	-12	1.07377	91.6689	5.19579e-03	0.0%	2	586	0.698
1	12	1.07377	91.6689	4.85071e-03	0.0%	2	586	0.698	
17	1	1	1.07352	91.6964	3.64337e-03	0.0%	2	291	0.698
17	-1	1	1.07352	91.6964	4.02944e-03	0.0%	2	291	0.698
-9	3	13	1.07336	91.7142	8.02421e-03	0.0%	2	259	0.698
9	3	-13	1.07336	91.7142	7.43224e-03	0.0%	2	259	0.698
22	0	-10	1.07244	91.8152	2.86007e-03	0.0%	2	584	0.697
22	0	-9	1.07199	91.8657	1.41916e-02	0.1%	2	565	0.697
14	0	-17	1.07159	91.9099	1.03731e-03	0.0%	2	485	0.697
4	4	5	1.07100	91.9746	5.77348e-03	0.0%	2	57	0.696
4	-4	5	1.07100	91.9746	5.24270e-03	0.0%	2	57	0.696
7	1	10	1.07078	91.9989	6.38071e-03	0.0%	2	150	0.696
7	-1	10	1.07078	91.9989	5.74260e-03	0.0%	2	150	0.696
18	0	-16	1.07073	92.0048	4.73967e-03	0.0%	2	580	0.696
10	4	-1	1.07015	92.0687	4.31595e-03	0.0%	2	117	0.696
4	1	1.07015	92.0687	3.14934e-03	0.0%	2	117	0.696	

-2	4	8	1.06987	92.1003	9.72585e-03	0.1%	2	84	0.696
2	4	-8	1.06987	92.1003	1.10557e-02	0.1%	2	84	0.696
3	13	1.06968	92.1219	8.06897e-03	0.0%	2	299	0.696	
11	3	-13	1.06968	92.1219	8.18366e-03	0.0%	2	299	0.696
6	0	11	1.06949	92.1430	4.24047e-03	0.0%	2	157	0.696
14	2	3	1.06927	92.1665	6.20864e-03	0.0%	2	209	0.696
14	-2	3	1.06927	92.1665	6.76482e-03	0.0%	2	209	0.696
21	1	-6	1.06896	92.2013	7.21619e-03	0.0%	2	478	0.695
1	6	1.06896	92.2013	7.64396e-03	0.0%	2	478	0.695	
-3	1	15	1.06874	92.2265	9.09066e-03	0.1%	2	235	0.695
3	1	-15	1.06874	92.2265	8.79981e-03	0.1%	2	235	0.695
12	2	5	1.06808	92.3000	4.64906e-03	0.0%	2	173	0.695
12	-2	5	1.06808	92.3000	4.57199e-03	0.0%	2	173	0.695
22	0	-11	1.06755	92.3591	1.55979e-02	0.1%	2	605	0.695
10	0	-17	1.06735	92.3815	9.42263e-03	0.1%	2	389	0.695
-3	3	12	1.06712	92.4070	1.07358e-02	0.1%	2	162	0.695
3	3	-12	1.06712	92.4070	1.30434e-02	0.1%	2	162	0.695
2	0	-15	1.06649	92.4781	7.45603e-03	0.0%	2	229	0.694
20	2	-9	1.06636	92.4927	1.03605e-03	0.0%	2	485	0.694
2	9	1.06636	92.4927	1.01209e-03	0.0%	2	485	0.694	
22	0	-8	1.06620	92.5107	4.46490e-03	0.0%	2	548	0.694
20	2	-8	1.06523	92.6197	1.46481e-02	0.1%	2	468	0.694
2	8	1.06523	92.6197	1.45377e-02	0.1%	2	468	0.694	
1	16	1.06504	92.6404	1.23239e-02	0.1%	2	546	0.694	
17	1	-16	1.06504	92.6404	1.16552e-02	0.1%	2	546	0.694
4	8	1.06483	92.6646	1.06555e-02	0.1%	2	180	0.693	
10	4	-8	1.06483	92.6646	1.03587e-02	0.1%	2	180	0.693
17	3	-7	1.06482	92.6652	6.75821e-03	0.0%	2	347	0.693
3	7	1.06482	92.6652	7.62338e-03	0.0%	2	347	0.693	
17	3	-8	1.06433	92.7207	6.82880e-03	0.0%	2	362	0.693
3	8	1.06433	92.7207	6.65573e-03	0.0%	2	362	0.693	
-7	3	13	1.06421	92.7347	6.17424e-03	0.0%	2	227	0.693
7	3	-13	1.06421	92.7347	6.23172e-03	0.0%	2	227	0.693
1	15	1.06262	92.9145	1.10148e-02	0.1%	2	587	0.692	
19	1	-15	1.06262	92.9145	1.03076e-02	0.1%	2	587	0.692
20	2	-10	1.06221	92.9603	6.32951e-03	0.0%	2	504	0.692
2	10	1.06221	92.9603	5.61066e-03	0.0%	2	504	0.692	
-6	4	9	1.06165	93.0249	4.35177e-03	0.0%	2	133	0.692

6	4	-9	1.06165	93.0249	3.77340e-03	0.0%	2	133	0.692
17	3	-6	1.06007	93.2044	5.40626e-03	0.0%	2	334	0.691
3	6	1.06007	93.2044	5.63175e-03	0.0%	2	334	0.691	
14	0	5	1.06001	93.2118	5.50382e-03	0.0%	2	221	0.691
20	0	-15	1.05965	93.2522	8.57431e-03	0.1%	2	625	0.691
8	4	2	1.05952	93.2672	5.78540e-03	0.0%	2	84	0.691
8	-4	2	1.05952	93.2672	4.60713e-03	0.0%	2	84	0.691
7	3	7	1.05900	93.3268	5.43806e-03	0.0%	2	107	0.691
7	-3	7	1.05900	93.3268	5.88285e-03	0.0%	2	107	0.691
18	2	-2	1.05895	93.3325	3.89975e-03	0.0%	2	332	0.691
2	2	1.05895	93.3325	4.12608e-03	0.0%	2	332	0.691	
20	2	-7	1.05888	93.3416	2.95685e-03	0.0%	2	453	0.691
2	7	1.05888	93.3416	3.48305e-03	0.0%	2	453	0.691	
2	2	12	1.05879	93.3512	5.61025e-03	0.0%	2	152	0.691
2	-2	12	1.05879	93.3512	5.92574e-03	0.0%	2	152	0.691
-8	4	9	1.05869	93.3624	8.94711e-03	0.1%	2	161	0.691
8	4	-9	1.05869	93.3624	8.43654e-03	0.1%	2	161	0.691
17	3	-9	1.05862	93.3711	6.68277e-03	0.0%	2	379	0.691
3	9	1.05862	93.3711	7.54720e-03	0.0%	2	379	0.691	
16	0	3	1.05775	93.4710	5.92457e-04	0.0%	2	265	0.690
22	0	-12	1.05751	93.4981	2.83470e-03	0.0%	2	628	0.690
-6	2	15	1.05650	93.6150	6.81005e-03	0.0%	2	265	0.690
6	2	-15	1.05650	93.6150	7.08984e-03	0.0%	2	265	0.690
21	1	-13	1.05610	93.6615	3.25595e-03	0.0%	2	611	0.690
1	13	1.05610	93.6615	3.12201e-03	0.0%	2	611	0.690	
3	12	1.05596	93.6775	7.91760e-03	0.0%	2	378	0.690	
15	3	-12	1.05596	93.6775	8.27073e-03	0.0%	2	378	0.690
22	0	-7	1.05532	93.7510	1.09447e-02	0.1%	2	533	0.689
16	2	1	1.05518	93.7682	8.13504e-03	0.0%	2	261	0.689
16	-2	1	1.05518	93.7682	8.41960e-03	0.1%	2	261	0.689
16	0	-17	1.05475	93.8175	6.83300e-06	0.0%	2	545	0.689
4	2	11	1.05458	93.8379	7.16172e-03	0.0%	2	141	0.689
4	-2	11	1.05458	93.8379	7.79856e-03	0.0%	2	141	0.689
0	2	13	1.05445	93.8525	8.01358e-03	0.0%	2	173	0.689
0	2	-13	1.05445	93.8525	8.07192e-03	0.0%	2	173	0.689
6	4	4	1.05398	93.9075	3.39782e-03	0.0%	2	68	0.689
6	-4	4	1.05398	93.9075	2.83932e-03	0.0%	2	68	0.689
15	3	-1	1.05397	93.9080	4.18130e-03	0.0%	2	235	0.689
3	1	1.05397	93.9080	4.62242e-03	0.0%	2	235	0.689	
3	13	1.05	93.9592	1.51240e-02	0.1%	2	347	0.689	

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13	3	-13	1.05353	93.9592	1.40894e-02	0.1%	2	347	0.689
20	2	-11	1.05298	94.0234	4.14350e-03	0.0%	2	525	0.689
2	11	1.05298	94.0234	4.22999e-03	0.0%	2	525	0.689	
2	15	1.05279	94.0455	1.15999e-02	0.1%	2	485	0.689	
16	2	-15	1.05279	94.0455	1.08035e-02	0.1%	2	485	0.689
12	4	-5	1.05224	94.1098	6.63512e-03	0.0%	2	185	0.688
4	5	1.05224	94.1098	5.54656e-03	0.0%	2	185	0.688	
-4	4	9	1.05218	94.1172	9.20804e-03	0.1%	2	113	0.688
4	4	-9	1.05218	94.1172	9.16060e-03	0.1%	2	113	0.688
10	2	7	1.05174	94.1692	2.51573e-03	0.0%	2	153	0.688
10	-2	7	1.05174	94.1692	3.20842e-03	0.0%	2	153	0.688
1	17	1.05118	94.2344	2.90461e-03	0.0%	2	459	0.688	
13	1	-17	1.05118	94.2344	2.72844e-03	0.0%	2	459	0.688
12	4	-6	1.05086	94.2717	3.19953e-03	0.0%	2	196	0.688
4	6	1.05086	94.2717	3.18502e-03	0.0%	2	196	0.688	
17	3	-5	1.05029	94.3393	5.37586e-03	0.0%	2	323	0.688
3	5	1.05029	94.3393	6.04200e-03	0.0%	2	323	0.688	
10	4	0	1.05008	94.3634	1.03366e-02	0.1%	4	116	0.688
21	1	-5	1.05001	94.3726	5.68903e-03	0.0%	2	467	0.688
1	5	1.05001	94.3726	6.38009e-03	0.0%	2	467	0.688	
2	14	1.04927	94.4595	1.03201e-02	0.1%	2	524	0.687	
18	2	-14	1.04927	94.4595	9.91072e-03	0.1%	2	524	0.687
1	17	1.04917	94.4708	7.24357e-03	0.0%	2	411	0.687	
11	1	-17	1.04917	94.4708	7.47109e-03	0.0%	2	411	0.687
8	0	10	1.04868	94.5286	6.20926e-03	0.0%	2	164	0.687
12	4	-4	1.04856	94.5435	2.01852e-03	0.0%	2	176	0.687
4	4	1.04856	94.5435	2.00698e-03	0.0%	2	176	0.687	
17	3	-10	1.04793	94.6177	1.38879e-02	0.1%	2	398	0.687
3	10	1.04793	94.6177	1.53381e-02	0.1%	2	398	0.687	
20	2	-6	1.04758	94.6596	5.96235e-03	0.0%	2	440	0.687
2	6	1.04758	94.6596	5.93843e-03	0.0%	2	440	0.687	
12	0	7	1.04733	94.6895	6.42031e-03	0.0%	2	193	0.687
8	0	-17	1.04671	94.7627	3.95374e-03	0.0%	2	353	0.687
20	0	-2	1.04551	94.9060	1.25741e-03	0.0%	2	404	0.686
9	1	9	1.04542	94.9170	4.61397e-03	0.0%	2	163	0.686

9	-1	9	1.04542	94.9170	4.37924e-03	0.0%	2	163	0.686
12	4	-7	1.04447	95.0296	7.62485e-03	0.0%	2	209	0.686
4	7	1.04447	95.0296	7.10515e-03	0.0%	2	209	0.686	
4	0	-16	1.04445	95.0326	6.73307e-03	0.0%	2	272	0.686
11	3	4	1.04404	95.0816	7.68438e-03	0.0%	2	146	0.686
11	-3	4	1.04404	95.0816	8.84440e-03	0.1%	2	146	0.686
4	9	1.04363	95.1315	8.01577e-03	0.0%	2	197	0.686	
10	4	-9	1.04363	95.1315	7.88755e-03	0.0%	2	197	0.686
-5	3	13	1.04316	95.1877	1.21931e-02	0.1%	2	203	0.685
5	3	-13	1.04316	95.1877	1.35421e-02	0.1%	2	203	0.685
19	1	-1	1.04279	95.2317	5.36874e-03	0.0%	2	363	0.685
1	1	1.04279	95.2317	5.73510e-03	0.0%	2	363	0.685	
22	0	-13	1.04277	95.2347	1.27974e-03	0.0%	2	653	0.685
-5	1	16	1.04275	95.2368	7.45027e-03	0.0%	2	282	0.685
5	1	-16	1.04275	95.2368	7.13279e-03	0.0%	2	282	0.685
6	2	10	1.04211	95.3143	3.29363e-03	0.0%	2	140	0.685
6	-2	10	1.04211	95.3143	3.36072e-03	0.0%	2	140	0.685
-2	2	14	1.04186	95.3437	5.69112e-03	0.0%	2	204	0.685
2	2	-14	1.04186	95.3437	5.79591e-03	0.0%	2	204	0.685
2	4	7	1.04126	95.4166	5.84379e-03	0.0%	2	69	0.685
2	-4	7	1.04126	95.4166	5.75042e-03	0.0%	2	69	0.685
13	3	2	1.04120	95.4240	3.48899e-03	0.0%	2	182	0.685
13	-3	2	1.04120	95.4240	3.83824e-03	0.0%	2	182	0.685
1	17	1.04115	95.4303	7.65456e-03	0.0%	2	515	0.685	
15	1	-17	1.04115	95.4303	7.09211e-03	0.0%	2	515	0.685
18	0	1	1.04083	95.4687	1.94719e-03	0.0%	2	325	0.685
0	4	8	1.04028	95.5354	7.47137e-03	0.0%	2	80	0.685
0	4	-8	1.04028	95.5354	9.10509e-03	0.1%	2	80	0.685
12	4	-3	1.03996	95.5741	6.32840e-03	0.0%	2	169	0.685
4	3	1.03996	95.5741	5.63427e-03	0.0%	2	169	0.685	
22	0	-6	1.03983	95.5896	4.78702e-03	0.0%	2	520	0.685
20	2	-12	1.03905	95.6845	5.33809e-03	0.0%	2	548	0.684
2	12	1.03905	95.6845	5.52886e-03	0.0%	2	548	0.684	
2	16	1.03893	95.6995	8.49289e-03	0.1%	2	404	0.684	
12	2	-16	1.03893	95.6995	7.99189e-03	0.0%	2	404	0.684
15	1	4	1.03752	95.8716	2.66885e-03	0.0%	2	242	0.684
15	-1	4	1.03752	95.8716	3.01657e-03	0.0%	2	242	0.684
17	3	-4	1.03588	96.0730	3.94548e-03	0.0%	2	314	0.684
3	4	1.03588	96.0730	4.08591e-03	0.0%	2	314	0.684	

2	16	1.03539	96.1335	1.76347e-02	0.1%	2	360	0.684	
10	2	-16	1.03539	96.1335	1.72813e-02	0.1%	2	360	0.684
-9	1	17	1.03533	96.1408	9.88411e-03	0.1%	2	371	0.684
9	1	-17	1.03533	96.1408	1.04654e-02	0.1%	2	371	0.684
21	1	-14	1.03440	96.2556	6.88977e-03	0.0%	2	638	0.684
1	14	1.03440	96.2556	6.84396e-03	0.0%	2	638	0.684	
4	4	6	1.03413	96.2889	5.70648e-03	0.0%	2	68	0.683
4	-4	6	1.03413	96.2889	3.94685e-03	0.0%	2	68	0.683
1	3	11	1.03384	96.3241	7.03069e-03	0.0%	2	131	0.683
1	-3	11	1.03384	96.3241	5.26295e-03	0.0%	2	131	0.683
12	4	-8	1.03335	96.3858	2.05586e-03	0.0%	2	224	0.683
4	8	1.03335	96.3858	2.10223e-03	0.0%	2	224	0.683	
3	3	10	1.03297	96.4321	8.69595e-03	0.1%	2	118	0.683
3	-3	10	1.03297	96.4321	7.18622e-03	0.0%	2	118	0.683
17	3	-11	1.03272	96.4638	5.66005e-03	0.0%	2	419	0.683
3	11	1.03272	96.4638	5.82053e-03	0.0%	2	419	0.683	
9	3	6	1.03258	96.4805	5.06089e-03	0.0%	2	126	0.683
9	-3	6	1.03258	96.4805	5.25994e-03	0.0%	2	126	0.683
13	1	6	1.03256	96.4829	9.36013e-03	0.1%	2	206	0.683
13	-1	6	1.03256	96.4829	9.97831e-03	0.1%	2	206	0.683
20	2	-5	1.03180	96.5778	7.58643e-03	0.0%	2	429	0.683
2	5	1.03180	96.5778	7.50494e-03	0.0%	2	429	0.683	
-2	4	9	1.03126	96.6460	5.80730e-03	0.0%	2	101	0.683
2	4	-9	1.03126	96.6460	7.54454e-03	0.0%	2	101	0.683
2	16	1.03082	96.7009	7.69777e-03	0.0%	2	456	0.683	
14	2	-16	1.03082	96.7009	7.32801e-03	0.0%	2	456	0.683
8	4	3	1.02973	96.8369	3.55676e-03	0.0%	2	89	0.683
8	-4	3	1.02973	96.8369	3.47428e-03	0.0%	2	89	0.683
-8	4	10	1.02883	96.9501	6.79062e-03	0.0%	2	180	0.683
8	4	-10	1.02883	96.9501	6.17486e-03	0.0%	2	180	0.683
17	1	2	1.02840	97.0039	6.82579e-03	0.0%	2	294	0.683
17	-1	2	1.02840	97.0039	6.96478e-03	0.0%	2	294	0.683
18	2	-1	1.02751	97.1161	6.02282e-03	0.0%	2	329	0.682
2	1	1.02751	97.1161	6.50005e-03	0.0%	2	329	0.682	
-6	4	10	1.02739	97.1320	4.76384e-03	0.0%	2	152	0.682
6	4	-10	1.02739	97.1320	4.15165e-03	0.0%	2	152	0.682
21	1	-4	1.02725	97.1486	1.11648e-02	0.1%	2	458	0.682
1	4	1.02725	97.1486	1.13873e-02	0.1%	2	458	0.682	
18	0	-17	1.02712	97.1656	6.02958e-03	0.0%	2	613	0.682

12	4	-2	1.02681	97.2047	4.94499e-03	0.0%	2	164	0.682
4	2	1.02681	97.2047	5.32931e-03	0.0%	2	164	0.682	
-1	3	12	1.02678	97.2090	4.12080e-03	0.0%	2	154	0.682
1	3	-12	1.02678	97.2090	4.42438e-03	0.0%	2	154	0.682
1	16	1.02667	97.2221	1.20120e-02	0.1%	2	618	0.682	
19	1	-16	1.02667	97.2221	1.16949e-02	0.1%	2	618	0.682
3	13	1.02655	97.2372	5.43323e-03	0.0%	2	403	0.682	
15	3	-13	1.02655	97.2372	5.15115e-03	0.0%	2	403	0.682
10	4	1	1.02635	97.2635	4.87901e-03	0.0%	2	117	0.682
10	-4	1	1.02635	97.2635	4.73815e-03	0.0%	2	117	0.682
20	0	-16	1.02605	97.3012	6.60743e-03	0.0%	2	656	0.682
3	14	1.02595	97.3134	9.59567e-03	0.1%	2	326	0.682	
11	3	-14	1.02595	97.3134	8.53195e-03	0.1%	2	326	0.682
3	1	13	1.02564	97.3527	2.64589e-03	0.0%	2	179	0.682
3	-1	13	1.02564	97.3527	2.49677e-03	0.0%	2	179	0.682
-9	3	14	1.02508	97.4244	6.85552e-03	0.0%	2	286	0.682
9	3	-14	1.02508	97.4244	5.77263e-03	0.0%	2	286	0.682
1	1	14	1.02468	97.4756	1.06081e-02	0.1%	2	198	0.682
1	-1	14	1.02468	97.4756	1.09709e-02	0.1%	2	198	0.682
15	3	0	1.02440	97.5113	1.71247e-02	0.1%	4	234	0.682
5	3	9	1.02422	97.5336	7.44612e-03	0.0%	2	115	0.682
5	-3	9	1.02422	97.5336	7.67181e-03	0.0%	2	115	0.682
22	0	-14	1.02390	97.5749	6.69179e-03	0.0%	2	680	0.682
8	2	9	1.02223	97.7885	4.29396e-03	0.0%	2	149	0.682
8	-2	9	1.02223	97.7885	3.84481e-03	0.0%	2	149	0.682
-4	2	15	1.02189	97.8326	5.99557e-03	0.0%	2	245	0.682
4	2	-15	1.02189	97.8326	6.07415e-03	0.0%	2	245	0.682
14	2	4	1.02142	97.8929	2.31661e-03	0.0%	2	216	0.682
14	-2	4	1.02142	97.8929	2.12947e-03	0.0%	2	216	0.682
10	0	9	1.02124	97.9164	2.04663e-03	0.0%	2	181	0.682
20	2	-13	1.02098	97.9497	1.00242e-02	0.1%	2	573	0.682
2	13	1.02098	97.9497	1.04592e-02	0.1%	2	573	0.682	
-8	2	16	1.02054	98.0066	1.06181e-02	0.1%	2	324	0.682
8	2	-16	1.02054	98.0066	9.94974e-03	0.1%	2	324	0.682
22	0	-5	1.02033	98.0334	2.11615e-03	0.0%	2	509	0.682
1	17	1.02007	98.0675	6.01416e-03	0.0%	2	579	0.682	
17	1	-17	1.02007	98.0675	5.62810e-03	0.0%	2	579	0.682
6	4	5	1.01937	98.1576	7.55809e-03	0.0%	2	77	0.682
6	-4	5	1.01937	98.1576	6.08971e-03	0.0%	2	77	0.682
4	10	1.01899	98.2077	1.10291e-02	0.1%	2	216	0.682	

10	4	-10	1.01899	98.2077	1.03992e-02	0.1%	2	216	0.682
5	1	12	1.01886	98.2249	4.75301e-03	0.0%	2	170	0.682
5	-1	12	1.01886	98.2249	4.54229e-03	0.0%	2	170	0.682
12	4	-9	1.01793	98.3455	6.02541e-03	0.0%	2	241	0.682
4	9	1.01793	98.3455	6.59167e-03	0.0%	2	241	0.682	
17	3	-3	1.01742	98.4123	4.84190e-03	0.0%	2	307	0.682
3	3	1.01742	98.4123	4.48093e-03	0.0%	2	307	0.682	
2	15	1.01720	98.4401	5.68669e-03	0.0%	2	553	0.682	
18	2	-15	1.01720	98.4401	6.09644e-03	0.0%	2	553	0.682
6	0	-17	1.01603	98.5930	8.54085e-03	0.1%	2	325	0.682
-1	1	15	1.01602	98.5946	6.45974e-03	0.0%	2	227	0.682
1	1	-15	1.01602	98.5946	6.63199e-03	0.0%	2	227	0.682
3	14	1.01565	98.6434	9.81836e-03	0.1%	2	374	0.682	
13	3	-14	1.01565	98.6434	1.03317e-02	0.1%	2	374	0.682
12	2	6	1.01518	98.7052	3.21312e-03	0.0%	2	184	0.682
12	-2	6	1.01518	98.7052	3.48948e-03	0.0%	2	184	0.682
14	0	-18	1.01511	98.7148	1.81959e-02	0.1%	2	520	0.682
12	0	-18	1.01480	98.7549	1.31935e-02	0.1%	2	468	0.682
-4	4	10	1.01480	98.7554	4.31811e-03	0.0%	2	132	0.682
4	4	-10	1.01480	98.7554	4.51970e-03	0.0%	2	132	0.682
16	2	2	1.01422	98.8320	2.31969e-03	0.0%	2	264	0.682
16	-2	2	1.01422	98.8320	3.14903e-03	0.0%	2	264	0.682
11	1	8	1.01412	98.8447	2.53594e-03	0.0%	2	186	0.682
11	-1	8	1.01412	98.8447	2.67041e-03	0.0%	2	186	0.682
2	0	14	1.01363	98.9101	9.83396e-03	0.1%	2	200	0.682
17	3	-12	1.01357	98.9175	3.06088e-03	0.0%	2	442	0.682
3	12	1.01357	98.9175	3.10079e-03	0.0%	2	442	0.682	
-7	3	14	1.01311	98.9777	6.56792e-03	0.0%	2	254	0.682
7	3	-14	1.01311	98.9777	6.07768e-03	0.0%	2	254	0.682
-3	3	13	1.01225	99.0928	3.40645e-03	0.0%	2	187	0.682
3	3	-13	1.01225	99.0928	4.35204e-03	0.0%	2	187	0.682
20	2	-4	1.01216	99.1044	7.18672e-04	0.0%	2	420	0.682
2	4	1.01216	99.1044	1.15604e-03	0.0%	2	420	0.682	
2	16	1.01184	99.1471	4.58297e-03	0.0%	2	516	0.682	
16	2	-16	1.01184	99.1471	4.77324e-03	0.0%	2	516	0.682
20	0	-1	1.01126	99.2245	1.40592e-02	0.1%	2	401	0.682
4	0	13	1.01109	99.2472	7.64208e-04	0.0%	2	185	0.682
-7	1	17	1.01099	99.2594	5.60061e-03	0.0%	2	339	0.682
7	1	-17	1.01099	99.2594	5.69792e-03	0.0%	2	339	0.682
12	4	-1	1.00962	99.4429	2.94514e-03	0.0%	2	161	0.682

4	1	1.00962	99.4429	3.53939e-03	0.0%	2	161	0.682	
21	1	-15	1.00946	99.4644	4.85104e-03	0.0%	2	667	0.682
1	15	1.00946	99.4644	4.96359e-03	0.0%	2	667	0.682	
0	0	15	1.00866	99.5718	8.53482e-03	0.1%	2	225	0.682
7	3	8	1.00818	99.6367	6.01909e-03	0.0%	2	122	0.682
7	-3	8	1.00818	99.6367	6.86461e-03	0.0%	2	122	0.682
16	0	4	1.00745	99.7352	7.40582e-03	0.0%	2	272	0.683
19	1	0	1.00628	99.8935	1.29383e-03	0.0%	4	362	0.683
23	1	-10	1.00516	100.0448	5.89251e-03	0.0%	2	630	0.683
1	10	1.00516	100.0448	5.92783e-03	0.0%	2	630	0.683	
7	1	11	1.00476	100.0990	3.80078e-03	0.0%	2	171	0.683
7	-1	11	1.00476	100.0990	3.52592e-03	0.0%	2	171	0.683
16	0	-18	1.00460	100.1213	1.44531e-02	0.1%	2	580	0.683
14	0	6	1.00436	100.1531	5.04812e-03	0.0%	2	232	0.683
10	0	-18	1.00371	100.2421	1.34995e-02	0.1%	2	424	0.683
13	3	3	1.00314	100.3209	2.35298e-03	0.0%	2	187	0.683
13	-3	3	1.00314	100.3209	2.21862e-03	0.0%	2	187	0.683
23	1	-11	1.00304	100.3341	7.59173e-03	0.0%	2	651	0.683
1	11	1.00304	100.3341	7.88284e-03	0.0%	2	651	0.683	
23	1	-9	1.00286	100.3590	1.89183e-03	0.0%	2	611	0.683
1	9	1.00286	100.3590	2.19262e-03	0.0%	2	611	0.683	
2	4	8	1.00228	100.4387	6.00266e-03	0.0%	2	84	0.683
2	-4	8	1.00228	100.4387	4.70396e-03	0.0%	2	84	0.683
14	4	-6	1.00185	100.4976	7.69439e-03	0.0%	2	248	0.683
4	6	1.00185	100.4976	7.59296e-03	0.0%	2	248	0.683	
22	0	-15	1.00160	100.5315	1.48538e-03	0.0%	2	709	0.683
21	1	-3	1.00150	100.5450	3.94471e-03	0.0%	2	451	0.683
1	3	1.00150	100.5450	3.94099e-03	0.0%	2	451	0.683	
6	0	12	1.00121	100.5862	4.62602e-03	0.0%	2	180	0.683
0	4	9	1.00084	100.6367	3.12409e-03	0.0%	2	97	0.684
0	4	-9	1.00084	100.6367	3.75147e-03	0.0%	2	97	0.684
11	3	5	1.00070	100.6558	3.01704e-03	0.0%	2	155	0.684
11	-3	5	1.00070	100.6558	3.10763e-03	0.0%	2	155	0.684
-3	1	16	1.00025	100.7188	9.47011e-03	0.1%	2	266	0.684
3	1	-16	1.00025	100.7188	9.58312e-03	0.1%	2	266	0.684
14	4	-7	1.00009	100.7396	2.98761e-03	0.0%	2	261	0.684
4	7	1.00009	100.7396	2.92784e-03	0.0%	2	261	0.684	
10	4	2	0.99976	100.7865	4.20931e-03	0.0%	2	120	0.684
10	-4	2	0.99976	100.7865	4.67219e-03	0.0%	2	120	0.684

20	2	-14	0.99943	100.8316	2.90780e-03	0.0%	2	600	0.684
2	14	0.99943	100.8316	3.19100e-03	0.0%	2	600	0.684	
14	4	-5	0.99923	100.8600	4.33790e-03	0.0%	2	237	0.684
4	5	0.99923	100.8600	4.77709e-03	0.0%	2	237	0.684	
4	10	0.99880	100.9194	1.28240e-02	0.1%	2	260	0.684	
12	4	-10	0.99880	100.9194	1.26919e-02	0.1%	2	260	0.684
8	4	4	0.99795	101.0380	4.29000e-03	0.0%	2	96	0.684
8	-4	4	0.99795	101.0380	4.13374e-03	0.0%	2	96	0.684
18	0	2	0.99766	101.0784	4.13423e-03	0.0%	2	328	0.684
22	0	-4	0.99752	101.0968	3.88479e-03	0.0%	2	500	0.684
-8	4	11	0.99700	101.1702	4.77883e-03	0.0%	2	201	0.684
8	4	-11	0.99700	101.1702	4.03119e-03	0.0%	2	201	0.684
23	1	-12	0.99658	101.2286	4.15487e-03	0.0%	2	674	0.685
1	12	0.99658	101.2286	4.25061e-03	0.0%	2	674	0.685	
2	0	-16	0.99651	101.2384	4.43981e-03	0.0%	2	260	0.685
4	4	7	0.99647	101.2444	4.20275e-03	0.0%	2	81	0.685
4	-4	7	0.99647	101.2444	2.82249e-03	0.0%	2	81	0.685
23	1	-8	0.99622	101.2786	1.13307e-02	0.1%	2	594	0.685
1	8	0.99622	101.2786	1.15517e-02	0.1%	2	594	0.685	
10	2	8	0.99621	101.2810	6.47444e-03	0.0%	2	168	0.685
10	-2	8	0.99621	101.2810	6.02396e-03	0.0%	2	168	0.685
1	18	0.99582	101.3349	1.41044e-02	0.1%	2	494	0.685	
13	1	-18	0.99582	101.3349	1.37941e-02	0.1%	2	494	0.685
-6	2	16	0.99578	101.3405	9.09108e-03	0.1%	2	296	0.685
6	2	-16	0.99578	101.3405	8.75008e-03	0.1%	2	296	0.685
2	2	13	0.99560	101.3661	4.06085e-03	0.0%	2	177	0.685
2	-2	13	0.99560	101.3661	3.91921e-03	0.0%	2	177	0.685
17	3	-2	0.99557	101.3710	2.25022e-03	0.0%	2	302	0.685
3	2	0.99557	101.3710	2.27174e-03	0.0%	2	302	0.685	
1	5	0	0.99522	101.4192	3.41945e-03	0.0%	4	26	0.685
3	14	0.99514	101.4306	7.53570e-03	0.0%	2	430	0.685	
15	3	-14	0.99514	101.4306	7.64285e-03	0.0%	2	430	0.685
-1	5	1	0.99495	101.4582	4.62279e-03	0.0%	2	27	0.685
1	5	-1	0.99495	101.4582	4.57496e-03	0.0%	2	27	0.685
19	3	-8	0.99464	101.5009	3.22297e-03	0.0%	2	434	0.685
3	8	0.99464	101.5009	3.26154e-03	0.0%	2	434	0.685	
18	2	0	0.99439	101.5368	6.77134e-03	0.0%	4	328	0.685
14	4	-8	0.99403	101.5875	3.84703e-03	0.0%	2	276	0.685
4	8	0.99	101.5875	3.10656e-03	0.0%	2	276	0.685	

		403							
19	3	-9	0.99369	101.6355	7.10950e-03	0.0%	2	451	0.685
3	9	0.99369	101.6355	8.17005e-03	0.0%	2	451	0.685	
15	3	1	0.99288	101.7508	2.31703e-03	0.0%	2	235	0.686
15	-3	1	0.99288	101.7508	1.98204e-03	0.0%	2	235	0.686
4	2	12	0.99264	101.7839	2.99747e-03	0.0%	2	164	0.686
4	-2	12	0.99264	101.7839	3.07728e-03	0.0%	2	164	0.686
14	4	-4	0.99233	101.8290	3.11010e-03	0.0%	2	228	0.686
4	4	0.99233	101.8290	3.54171e-03	0.0%	2	228	0.686	
-2	4	10	0.99225	101.8405	4.69353e-03	0.0%	2	120	0.686
2	4	-10	0.99225	101.8405	6.64024e-03	0.0%	2	120	0.686
-6	4	11	0.99195	101.8827	4.47084e-03	0.0%	2	173	0.686
6	4	-11	0.99195	101.8827	3.10508e-03	0.0%	2	173	0.686
4	11	0.99173	101.9142	8.48743e-03	0.1%	2	237	0.686	
10	4	-11	0.99173	101.9142	8.42064e-03	0.1%	2	237	0.686
0	2	14	0.99144	101.9549	6.72622e-03	0.0%	2	200	0.686
0	2	-14	0.99144	101.9549	7.11565e-03	0.0%	2	200	0.686
19	3	-7	0.99132	101.9728	3.54569e-03	0.0%	2	419	0.686
3	7	0.99132	101.9728	3.64532e-03	0.0%	2	419	0.686	
1	5	1	0.99122	101.9868	4.56393e-03	0.0%	2	27	0.686
1	-5	1	0.99122	101.9868	4.42196e-03	0.0%	2	27	0.686
-5	3	14	0.99118	101.9928	4.68957e-03	0.0%	2	230	0.686
5	3	-14	0.99118	101.9928	5.43199e-03	0.0%	2	230	0.686
20	0	-17	0.99117	101.9939	5.11880e-03	0.0%	2	689	0.686
17	3	-13	0.99117	101.9943	6.91951e-03	0.0%	2	467	0.686
3	13	0.99117	101.9943	6.33532e-03	0.0%	2	467	0.686	
1	18	0.99097	102.0231	8.12237e-03	0.0%	2	550	0.686	
15	1	-18	0.99097	102.0231	7.64911e-03	0.0%	2	550	0.686
-1	5	2	0.99040	102.1040	4.54402e-03	0.0%	2	30	0.686
1	5	-2	0.99040	102.1040	4.44011e-03	0.0%	2	30	0.686
1	18	0.99040	102.1041	1.24285e-02	0.1%	2	446	0.686	
11	1	-18	0.99040	102.1041	1.25631e-02	0.1%	2	446	0.686
1	17	0.98988	102.1782	1.39925e-02	0.1%	2	651	0.687	
19	1	-17	0.98988	102.1782	1.34106e-02	0.1%	2	651	0.687
20	2	-3	0.98934	102.2562	8.07842e-03	0.0%	2	413	0.687
2	3	0.98934	102.2562	7.81401e-03	0.0%	2	413	0.687	
12	4	0	0.98901	102.3030	1.77904e-02	0.1%	4	160	0.687
12	0	8	0.98876	102.3398	3.27381e-03	0.0%	2	208	0.687
19	3	-10	0.98849	102.3776	1.01503e-02	0.1%	2	470	0.687

3	10	0.98849	102.3776	1.27916e-02	0.1%	2	470	0.687	
3	5	-1	0.98842	102.3878	9.76902e-03	0.1%	2	35	0.687
-3	5	1	0.98842	102.3878	9.86327e-03	0.1%	2	35	0.687
2	17	0.98776	102.4839	8.26549e-03	0.0%	2	437	0.687	
12	2	-17	0.98776	102.4839	8.61736e-03	0.1%	2	437	0.687
3	5	-2	0.98761	102.5052	1.75111e-03	0.0%	2	38	0.687
-3	5	2	0.98761	102.5052	1.72409e-03	0.0%	2	38	0.687
15	1	5	0.98754	102.5154	5.59448e-03	0.0%	2	251	0.687
15	-1	5	0.98754	102.5154	5.79087e-03	0.0%	2	251	0.687
23	1	-13	0.98603	102.7341	5.05163e-03	0.0%	2	699	0.688
1	13	0.98603	102.7341	5.06430e-03	0.0%	2	699	0.688	
9	3	7	0.98584	102.7619	3.83043e-03	0.0%	2	139	0.688
9	-3	7	0.98584	102.7619	4.32673e-03	0.0%	2	139	0.688
23	1	-7	0.98551	102.8096	1.51563e-03	0.0%	2	579	0.688
1	7	0.98551	102.8096	1.64634e-03	0.0%	2	579	0.688	
22	2	-10	0.98505	102.8768	4.56045e-03	0.0%	2	588	0.689
2	10	0.98505	102.8768	4.66207e-03	0.0%	2	588	0.689	
3	5	0	0.98504	102.8791	3.60519e-03	0.0%	4	34	0.689
22	2	-9	0.98470	102.9286	3.27827e-03	0.0%	2	569	0.689
2	9	0.98470	102.9286	3.46441e-03	0.0%	2	569	0.689	
8	0	11	0.98461	102.9407	2.99363e-03	0.0%	2	185	0.689
2	17	0.98439	102.9739	7.99175e-03	0.0%	2	489	0.689	
14	2	-17	0.98439	102.9739	7.95139e-03	0.0%	2	489	0.689
17	1	3	0.98433	102.9816	6.16462e-03	0.0%	2	299	0.689
17	-1	3	0.98433	102.9816	6.07197e-03	0.0%	2	299	0.689
9	1	10	0.98425	102.9940	3.06402e-03	0.0%	2	182	0.689
9	-1	10	0.98425	102.9940	3.40080e-03	0.0%	2	182	0.689
18	0	-18	0.98425	102.9946	7.24128e-03	0.0%	2	648	0.689
14	4	-9	0.98389	103.0470	2.89466e-03	0.0%	2	293	0.689
4	9	0.98389	103.0470	2.99132e-03	0.0%	2	293	0.689	
19	3	-6	0.98384	103.0546	3.59289e-03	0.0%	2	406	0.689
3	6	0.98384	103.0546	3.24689e-03	0.0%	2	406	0.689	
6	4	6	0.98378	103.0626	2.24788e-03	0.0%	2	88	0.689
6	-4	6	0.98378	103.0626	1.82476e-03	0.0%	2	88	0.689
2	16	0.98372	103.0713	6.89405e-03	0.0%	2	584	0.689	
18	2	-16	0.98372	103.0713	6.66374e-03	0.0%	2	584	0.689
1	5	2	0.98309	103.1648	7.74904e-03	0.0%	2	30	0.689
1	-5	2	0.98309	103.1648	7.84077e-03	0.0%	2	30	0.689

24	0	-10	0.98307	103.1674	8.56609e-03	0.1%	2	676	0.689
3	15	0.98301	103.1755	5.31981e-03	0.0%	2	355	0.689	
11	3	-15	0.98301	103.1755	5.44528e-03	0.0%	2	355	0.689
24	0	-11	0.98289	103.1941	6.65677e-03	0.0%	2	697	0.689
8	0	-18	0.98286	103.1981	4.92480e-03	0.0%	2	388	0.689
6	2	11	0.98276	103.2131	6.06322e-03	0.0%	2	161	0.690
6	-2	11	0.98276	103.2131	5.73577e-03	0.0%	2	161	0.690
-3	5	3	0.98263	103.2321	5.95481e-03	0.0%	2	43	0.690
3	5	-3	0.98263	103.2321	5.97387e-03	0.0%	2	43	0.690
21	1	-16	0.98208	103.3131	6.10301e-03	0.0%	2	698	0.690
1	16	0.98208	103.3131	6.48734e-03	0.0%	2	698	0.690	
-1	5	3	0.98175	103.3611	1.17804e-03	0.0%	2	35	0.690
1	5	-3	0.98175	103.3611	1.09924e-03	0.0%	2	35	0.690
14	4	-3	0.98141	103.4114	6.18196e-03	0.0%	2	221	0.690
4	3	0.98141	103.4114	7.53660e-03	0.0%	2	221	0.690	
22	2	-11	0.98125	103.4350	4.54791e-03	0.0%	2	609	0.690
2	11	0.98125	103.4350	4.29837e-03	0.0%	2	609	0.690	
2	17	0.98110	103.4580	7.09023e-03	0.0%	2	393	0.690	
10	2	-17	0.98110	103.4580	6.81850e-03	0.0%	2	393	0.690
1	3	12	0.98064	103.5262	4.20323e-03	0.0%	2	154	0.691
1	-3	12	0.98064	103.5262	3.39663e-03	0.0%	2	154	0.691
-2	2	15	0.98043	103.5573	5.30314e-03	0.0%	2	233	0.691
2	2	-15	0.98043	103.5573	5.73094e-03	0.0%	2	233	0.691
3	3	11	0.98042	103.5580	2.71145e-03	0.0%	2	139	0.691
3	-3	11	0.98042	103.5580	2.33409e-03	0.0%	2	139	0.691
22	2	-8	0.98020	103.5907	4.16589e-03	0.0%	2	552	0.691
2	8	0.98020	103.5907	5.05700e-03	0.0%	2	552	0.691	
19	3	-11	0.97925	103.7326	6.99964e-03	0.0%	2	491	0.691
3	11	0.97925	103.7326	6.92217e-03	0.0%	2	491	0.691	
24	0	-9	0.97912	103.7515	3.63374e-03	0.0%	2	657	0.691
-9	3	15	0.97866	103.8210	5.43806e-03	0.0%	2	315	0.692
9	3	-15	0.97866	103.8210	5.72665e-03	0.0%	2	315	0.692
13	1	7	0.97861	103.8280	2.33694e-03	0.0%	2	219	0.692
13	-1	7	0.97861	103.8280	2.65113e-03	0.0%	2	219	0.692
24	0	-12	0.97859	103.8316	8.49351e-03	0.1%	2	720	0.692
-5	1	17	0.97832	103.8714	4.38221e-03	0.0%	2	315	0.692
5	1	-17	0.97832	103.8714	4.53880e-03	0.0%	2	315	0.692
4	0	-17	0.97794	103.9284	5.06633e-03	0.0%	2	305	0.692
3	5	1	0.97758	103.9827	5.60054e-03	0.0%	2	35	0.692
3	-5	1	0.97758	103.9827	5.88198e-03	0.0%	2	35	0.692

3	15	0.97747	103.9980	3.74944e-03	0.0%	2	403	0.692	
13	3	-15	0.97747	103.9980	4.00002e-03	0.0%	2	403	0.692
-4	4	11	0.97704	104.0639	4.50921e-03	0.0%	2	153	0.692
4	4	-11	0.97704	104.0639	5.28978e-03	0.0%	2	153	0.692
4	11	0.97661	104.1275	2.89232e-03	0.0%	2	281	0.693	
12	4	-11	0.97661	104.1275	2.80653e-03	0.0%	2	281	0.693
22	0	-16	0.97661	104.1285	5.47291e-03	0.0%	2	740	0.693
1	18	0.97626	104.1805	1.15423e-02	0.1%	2	614	0.693	
17	1	-18	0.97626	104.1805	1.14420e-02	0.1%	2	614	0.693
20	0	0	0.97607	104.2087	1.68861e-03	0.0%	2	400	0.693
14	2	5	0.97539	104.3123	3.59522e-03	0.0%	2	225	0.693
14	-2	5	0.97539	104.3123	3.47197e-03	0.0%	2	225	0.693
-9	1	18	0.97518	104.3441	4.12537e-03	0.0%	2	406	0.693
9	1	-18	0.97518	104.3441	3.94462e-03	0.0%	2	406	0.693
20	2	-15	0.97511	104.3539	1.06789e-02	0.1%	2	629	0.694
2	15	0.97511	104.3539	1.00836e-02	0.1%	2	629	0.694	
5	5	-2	0.97497	104.3758	5.05610e-03	0.0%	2	54	0.694
-5	5	2	0.97497	104.3758	5.62316e-03	0.0%	2	54	0.694
-1	3	13	0.97408	104.5106	4.65798e-03	0.0%	2	179	0.694
1	3	-13	0.97408	104.5106	4.39694e-03	0.0%	2	179	0.694
5	5	-3	0.97367	104.5730	8.53458e-03	0.1%	2	59	0.694
-5	5	3	0.97367	104.5730	8.50521e-03	0.1%	2	59	0.694
-3	5	4	0.97366	104.5740	1.26598e-03	0.0%	2	50	0.694
3	5	-4	0.97366	104.5740	1.23758e-03	0.0%	2	50	0.694
16	2	3	0.97363	104.5795	3.55180e-03	0.0%	2	269	0.694
16	-2	3	0.97363	104.5795	3.86378e-03	0.0%	2	269	0.694
21	1	-2	0.97354	104.5924	7.19673e-04	0.0%	2	446	0.694
1	2	0.97354	104.5924	5.73098e-04	0.0%	2	446	0.694	
5	3	10	0.97345	104.6064	2.95983e-03	0.0%	2	134	0.695
5	-3	10	0.97345	104.6064	3.47151e-03	0.0%	2	134	0.695
22	2	-12	0.97344	104.6075	2.79744e-03	0.0%	2	632	0.695
2	12	0.97344	104.6075	3.10629e-03	0.0%	2	632	0.695	
19	3	-5	0.97248	104.7545	3.84558e-03	0.0%	2	395	0.695
3	5	0.97248	104.7545	4.05179e-03	0.0%	2	395	0.695	
5	5	-1	0.97223	104.7921	5.26858e-03	0.0%	2	51	0.695
-5	5	1	0.97223	104.7921	5.45859e-03	0.0%	2	51	0.695
22	0	-3	0.97214	104.8062	1.02167e-04	0.0%	2	493	0.695
23	1	-14	0.97178	104.8623	6.71290e-03	0.0%	2	726	0.696
1	14	0.97178	104.8623	6.89401e-03	0.0%	2	726	0.696	

22	2	-7	0.97174	104.8684	8.87117e-03	0.1%	2	537	0.696
2	7	0.97174	104.8684	9.21440e-03	0.1%	2	537	0.696	
2	17	0.97129	104.9371	8.27378e-03	0.0%	2	549	0.696	
16	2	-17	0.97129	104.9371	8.49380e-03	0.1%	2	549	0.696
24	0	-8	0.97120	104.9510	5.16092e-03	0.0%	2	640	0.696
1	5	3	0.97112	104.9625	2.33319e-03	0.0%	2	35	0.696
1	-5	3	0.97112	104.9625	2.45013e-03	0.0%	2	35	0.696
23	1	-6	0.97111	104.9639	2.29486e-03	0.0%	2	566	0.696
1	6	0.97111	104.9639	2.35983e-03	0.0%	2	566	0.696	
10	4	3	0.97110	104.9653	5.09875e-03	0.0%	2	125	0.696
10	-4	3	0.97110	104.9653	6.21020e-03	0.0%	2	125	0.696
17	3	-1	0.97104	104.9748	3.84883e-03	0.0%	2	299	0.696
3	1	0.97104	104.9748	3.24292e-03	0.0%	2	299	0.696	
24	0	-13	0.97033	105.0853	1.70553e-03	0.0%	2	745	0.697
14	4	-10	0.97004	105.1296	3.48193e-03	0.0%	2	312	0.697
4	10	0.97004	105.1296	3.45129e-03	0.0%	2	312	0.697	
19	1	1	0.96934	105.2373	2.49357e-03	0.0%	2	363	0.697
19	-1	1	0.96934	105.2373	2.45736e-03	0.0%	2	363	0.697
-1	5	4	0.96933	105.2395	6.28181e-03	0.0%	2	42	0.697
1	5	-4	0.96933	105.2395	6.16584e-03	0.0%	2	42	0.697
-5	5	4	0.96838	105.3857	3.05275e-03	0.0%	2	66	0.698
5	5	-4	0.96838	105.3857	2.96611e-03	0.0%	2	66	0.698
14	4	-2	0.96688	105.6201	3.52613e-03	0.0%	2	216	0.699
4	2	0.96688	105.6201	5.00603e-03	0.0%	2	216	0.699	
8	2	10	0.96654	105.6723	4.90578e-03	0.0%	2	168	0.699
8	-2	10	0.96654	105.6723	4.63956e-03	0.0%	2	168	0.699
3	5	2	0.96632	105.7076	1.02919e-02	0.1%	2	38	0.699
3	-5	2	0.96632	105.7076	1.15297e-02	0.1%	2	38	0.699
19	3	-12	0.96629	105.7115	5.49706e-03	0.0%	2	514	0.699
3	12	0.96629	105.7115	5.54932e-03	0.0%	2	514	0.699	
3	14	0.96622	105.7229	3.16491e-03	0.0%	2	494	0.699	
17	3	-14	0.96622	105.7229	3.12860e-03	0.0%	2	494	0.699
12	4	1	0.96566	105.8110	3.11829e-03	0.0%	2	161	0.700
12	-4	1	0.96566	105.8110	4.49946e-03	0.0%	2	161	0.700
5	5	0	0.96556	105.8258	1.02154e-02	0.1%	4	50	0.700
12	2	7	0.96548	105.8390	5.17483e-03	0.0%	2	197	0.700
12	-2	7	0.96548	105.8390	5.53808e-03	0.0%	2	197	0.700
13	3	4	0.96502	105.9121	3.22776e-03	0.0%	2	194	0.700
13	-3	4	0.96502	105.9121	3.35471e-03	0.0%	2	194	0.700

-8	2	17	0.96500	105.9149	7.86312e-03	0.0%	2	357	0.700
8	2	-17	0.96500	105.9149	7.55712e-03	0.0%	2	357	0.700
8	4	5	0.96498	105.9170	3.65960e-03	0.0%	2	105	0.700
8	-4	5	0.96498	105.9170	4.94884e-03	0.0%	2	105	0.700
-7	3	15	0.96479	105.9473	5.94363e-03	0.0%	2	283	0.701
7	3	-15	0.96479	105.9473	5.65246e-03	0.0%	2	283	0.701
20	2	-2	0.96406	106.0634	1.50757e-03	0.0%	2	408	0.701
2	2	0.96406	106.0634	1.76441e-03	0.0%	2	408	0.701	
-8	4	12	0.96401	106.0699	2.64842e-03	0.0%	2	224	0.701
8	4	-12	0.96401	106.0699	2.06447e-03	0.0%	2	224	0.701
2	4	9	0.96344	106.1609	2.61640e-03	0.0%	2	101	0.702
2	-4	9	0.96344	106.1609	2.09345e-03	0.0%	2	101	0.702
-4	2	16	0.96323	106.1946	7.07923e-03	0.0%	2	276	0.702
4	2	-16	0.96323	106.1946	7.14619e-03	0.0%	2	276	0.702
14	0	-19	0.96279	106.2644	6.76018e-03	0.0%	2	557	0.702
4	12	0.96262	106.2901	3.04820e-03	0.0%	2	260	0.702	
10	4	-12	0.96262	106.2901	3.25648e-03	0.0%	2	260	0.702
3	15	0.96253	106.3050	6.27655e-03	0.0%	2	459	0.702	
15	3	-15	0.96253	106.3050	6.99547e-03	0.0%	2	459	0.702
10	0	10	0.96229	106.3426	8.02834e-03	0.0%	2	200	0.703
3	1	14	0.96226	106.3486	4.57837e-03	0.0%	2	206	0.703
3	-1	14	0.96226	106.3486	4.54727e-03	0.0%	2	206	0.703
22	2	-13	0.96191	106.4044	6.42288e-03	0.0%	2	657	0.703
2	13	0.96191	106.4044	6.73613e-03	0.0%	2	657	0.703	
0	4	10	0.96166	106.4433	7.89174e-03	0.0%	2	116	0.703
0	4	-10	0.96166	106.4433	8.55971e-03	0.1%	2	116	0.703
-3	3	14	0.96115	106.5253	5.36430e-03	0.0%	2	214	0.703
3	3	-14	0.96115	106.5253	5.64015e-03	0.0%	2	214	0.703
-3	5	5	0.96104	106.5428	4.24151e-03	0.0%	2	59	0.704
3	5	-5	0.96104	106.5428	3.87871e-03	0.0%	2	59	0.704
1	1	15	0.96096	106.5554	5.49686e-03	0.0%	2	227	0.704
1	-1	15	0.96096	106.5554	5.24941e-03	0.0%	2	227	0.704
18	2	1	0.96038	106.6474	1.47354e-03	0.0%	2	329	0.704
18	-2	1	0.96038	106.6474	1.62302e-03	0.0%	2	329	0.704
15	3	2	0.96021	106.6758	2.95570e-03	0.0%	2	238	0.704
15	-3	2	0.96021	106.6758	3.09087e-03	0.0%	2	238	0.704
7	3	9	0.96014	106.6865	3.19190e-03	0.0%	2	139	0.704
7	-3	9	0.96014	106.6865	5.23146e-03	0.0%	2	139	0.704
16	0	5	0.95981	106.7390	3.97968e-04	0.0%	2	281	0.705
22	2	-6	0.95960	106.7731	1.82804e-03	0.0%	2	524	0.705
2	6	0.95960	106.7731	1.69363e-03	0.0%	2	524	0.705	
24	0	-7	0.95958	106.7766	2.33311e-03	0.0%	2	625	0.705

-5	5	5	0.95930	106.8210	4.88997e-03	0.0%	2	75	0.705
5	5	-5	0.95930	106.8210	4.81874e-03	0.0%	2	75	0.705
12	0	-19	0.95915	106.8457	1.12440e-02	0.1%	2	505	0.705
4	4	8	0.95877	106.9066	1.30574e-03	0.0%	2	96	0.706
4	-4	8	0.95877	106.9066	7.38204e-04	0.0%	2	96	0.706
11	1	9	0.95849	106.9513	3.79554e-03	0.0%	2	203	0.706
11	-1	9	0.95849	106.9513	4.26554e-03	0.0%	2	203	0.706
11	3	6	0.95848	106.9544	3.46462e-03	0.0%	2	166	0.706
11	-3	6	0.95848	106.9544	3.33085e-03	0.0%	2	166	0.706
24	0	-14	0.95840	106.9663	4.96424e-03	0.0%	2	772	0.706
19	3	-4	0.95765	107.0882	2.89797e-03	0.0%	2	386	0.707
3	4	0.95765	107.0882	2.33085e-03	0.0%	2	386	0.707	
5	1	13	0.95714	107.1713	1.55492e-03	0.0%	2	195	0.707
5	-1	13	0.95714	107.1713	1.45396e-03	0.0%	2	195	0.707
16	0	-19	0.95713	107.1728	7.00479e-03	0.0%	2	617	0.707
-6	4	12	0.95610	107.3393	6.27046e-03	0.0%	2	196	0.708
6	4	-12	0.95610	107.3393	5.76860e-03	0.0%	2	196	0.708
20	0	-18	0.95578	107.3913	1.16080e-02	0.1%	2	724	0.708
1	5	4	0.95575	107.3968	5.97642e-03	0.0%	2	42	0.708
1	-5	4	0.95575	107.3968	7.12860e-03	0.0%	2	42	0.708
7	5	-3	0.95566	107.4120	2.57485e-03	0.0%	2	83	0.708
-7	5	3	0.95566	107.4120	3.04776e-03	0.0%	2	83	0.708
18	0	3	0.95561	107.4198	6.05801e-04	0.0%	2	333	0.708
5	5	1	0.95520	107.4864	2.18199e-03	0.0%	2	51	0.709
5	-5	1	0.95520	107.4864	2.44436e-03	0.0%	2	51	0.709
23	1	-15	0.95430	107.6339	3.38048e-03	0.0%	2	755	0.710
1	15	0.95430	107.6339	3.34780e-03	0.0%	2	755	0.710	
6	0	-18	0.95401	107.6822	2.42530e-03	0.0%	2	360	0.710
7	5	-4	0.95394	107.6925	9.04186e-03	0.1%	2	90	0.710
-7	5	4	0.95394	107.6925	9.12359e-03	0.1%	2	90	0.710
7	5	-2	0.95357	107.7546	1.10893e-02	0.1%	2	78	0.710
-7	5	2	0.95357	107.7546	1.13988e-02	0.1%	2	78	0.710
-1	5	5	0.95355	107.7575	3.15072e-03	0.0%	2	51	0.710
1	5	-5	0.95355	107.7575	3.23809e-03	0.0%	2	51	0.710
-2	4	11	0.95354	107.7586	6.42807e-03	0.0%	2	141	0.710
2	4	-11	0.95354	107.7586	7.19672e-03	0.0%	2	141	0.710
23	1	-5	0.95352	107.7627	4.38382e-03	0.0%	2	555	0.710
1	5	0.95352	107.7627	4.07875e-03	0.0%	2	555	0.710	
-1	1	16	0.95332	107.7951	1.10083e-02	0.1%	2	258	0.711
1	1	-16	0.95332	107.7951	1.10265e-02	0.1%	2	258	0.711
1	17	0.95301	107.8471	1.07954e-02	0.1%	2	731	0.711	
21	1	-17	0.95301	107.8471	1.10773e-02	0.1%	2	731	0.711
1	18	0.95	107.8520	8.29747e-03	0.0%	2	686	0.711	

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19	1	-18	0.95298	107.8520	8.56774e-03	0.1%	2	686	0.711
4	11	0.95295	107.8558	5.27363e-03	0.0%	2	333	0.711	
14	4	-11	0.95295	107.8558	5.88621e-03	0.0%	2	333	0.711
14	0	7	0.95285	107.8724	3.12600e-03	0.0%	2	245	0.711
4	12	0.95205	108.0050	9.91345e-03	0.1%	2	304	0.712	
12	4	-12	0.95205	108.0050	1.09483e-02	0.1%	2	304	0.712
16	4	-7	0.95175	108.0550	1.71361e-03	0.0%	2	321	0.712
4	7	0.95175	108.0550	2.25548e-03	0.0%	2	321	0.712	
3	5	3	0.95165	108.0711	2.98336e-03	0.0%	2	43	0.712
3	-5	3	0.95165	108.0711	3.34869e-03	0.0%	2	43	0.712
-7	1	18	0.95147	108.1020	3.94609e-03	0.0%	2	374	0.713
7	1	-18	0.95147	108.1020	3.70786e-03	0.0%	2	374	0.713
2	0	15	0.95019	108.3149	8.87718e-04	0.0%	2	229	0.714
19	3	-13	0.95007	108.3344	3.74742e-03	0.0%	2	539	0.714
3	13	0.95007	108.3344	3.36187e-03	0.0%	2	539	0.714	
16	4	-6	0.94998	108.3495	1.53938e-02	0.1%	2	308	0.714
4	6	0.94998	108.3495	1.66894e-02	0.1%	2	308	0.714	
16	4	-8	0.94976	108.3859	5.99003e-03	0.0%	2	336	0.714
4	8	0.94976	108.3859	5.97457e-03	0.0%	2	336	0.714	
22	0	-17	0.94963	108.4082	3.32589e-03	0.0%	2	773	0.714
2	17	0.94958	108.4162	8.87966e-03	0.1%	2	617	0.715	
18	2	-17	0.94958	108.4162	9.53234e-03	0.1%	2	617	0.715
14	4	-1	0.94921	108.4780	5.37791e-03	0.0%	2	213	0.715
4	1	0.94921	108.4780	6.31316e-03	0.0%	2	213	0.715	
2	16	0.94874	108.5581	4.08146e-03	0.0%	2	660	0.715	
20	2	-16	0.94874	108.5581	4.05456e-03	0.0%	2	660	0.715
4	0	14	0.94857	108.5853	7.31363e-03	0.0%	2	212	0.716
7	5	-5	0.94849	108.5990	4.99145e-03	0.0%	2	99	0.716
-7	5	5	0.94849	108.5990	5.49513e-03	0.0%	2	99	0.716
6	4	7	0.94793	108.6932	3.74933e-03	0.0%	2	101	0.716
6	-4	7	0.94793	108.6932	3.54059e-03	0.0%	2	101	0.716
7	5	-1	0.94775	108.7238	1.34457e-03	0.0%	2	75	0.717
-7	5	1	0.94775	108.7238	1.30226e-03	0.0%	2	75	0.717
22	2	-14	0.94704	108.8446	5.90719e-03	0.0%	2	684	0.717
2	14	0.94704	108.8446	5.59150e-03	0.0%	2	684	0.717	
-5	5	6	0.94674	108.8940	5.24495e-03	0.0%	2	86	0.718
5	5	-6	0.94674	108.8940	4.94492e-03	0.0%	2	86	0.718

10	0	-19	0.94653	108.9311	3.97677e-03	0.0%	2	461	0.718
7	1	12	0.94590	109.0375	2.61718e-03	0.0%	2	194	0.719
7	-1	12	0.94590	109.0375	2.59006e-03	0.0%	2	194	0.719
0	0	16	0.94562	109.0851	9.73572e-04	0.0%	2	256	0.719
-3	5	6	0.94518	109.1595	6.09464e-03	0.0%	2	70	0.719
3	5	-6	0.94518	109.1595	5.39587e-03	0.0%	2	70	0.719
10	2	9	0.94493	109.2025	1.66635e-03	0.0%	2	185	0.720
10	-2	9	0.94493	109.2025	1.76285e-03	0.0%	2	185	0.720
22	0	-2	0.94490	109.2081	1.35613e-03	0.0%	2	488	0.720
1	19	0.94468	109.2454	9.70664e-03	0.1%	2	531	0.720	
13	1	-19	0.94468	109.2454	9.70577e-03	0.1%	2	531	0.720
24	0	-6	0.94466	109.2479	9.54034e-04	0.0%	2	612	0.720
17	3	0	0.94454	109.2685	8.75933e-03	0.1%	4	298	0.720
16	4	-5	0.94452	109.2725	2.01384e-03	0.0%	2	297	0.720
4	5	0.94452	109.2725	2.83531e-03	0.0%	2	297	0.720	
22	2	-5	0.94421	109.3253	3.86730e-03	0.0%	2	513	0.721
2	5	0.94421	109.3253	4.17124e-03	0.0%	2	513	0.721	
21	1	-1	0.94410	109.3441	3.24551e-03	0.0%	2	443	0.721
1	1	0.94410	109.3441	3.19648e-03	0.0%	2	443	0.721	
16	4	-9	0.94409	109.3458	4.09868e-03	0.0%	2	353	0.721
4	9	0.94409	109.3458	3.93115e-03	0.0%	2	353	0.721	
1	19	0.94371	109.4111	5.08572e-03	0.0%	2	587	0.721	
15	1	-19	0.94371	109.4111	5.06891e-03	0.0%	2	587	0.721
24	0	-15	0.94322	109.4953	5.69709e-03	0.0%	2	801	0.722
18	0	-19	0.94265	109.5937	1.44157e-02	0.1%	2	685	0.723
-5	3	15	0.94258	109.6046	5.59246e-03	0.0%	2	259	0.723
5	3	-15	0.94258	109.6046	6.20331e-03	0.0%	2	259	0.723
17	1	4	0.94182	109.7372	1.80655e-03	0.0%	2	306	0.724
17	-1	4	0.94182	109.7372	1.68624e-03	0.0%	2	306	0.724
5	5	2	0.94150	109.7924	8.71931e-03	0.1%	2	54	0.724
5	-5	2	0.94150	109.7924	8.37431e-03	0.1%	2	54	0.724
3	16	0.94138	109.8122	2.70057e-03	0.0%	2	386	0.724	
11	3	-16	0.94138	109.8122	2.84116e-03	0.0%	2	386	0.724
9	3	8	0.94126	109.8344	3.72329e-03	0.0%	2	154	0.724
9	-3	8	0.94126	109.8344	4.44877e-03	0.0%	2	154	0.724
10	4	4	0.94112	109.8577	3.95413e-03	0.0%	2	132	0.724
10	-4	4	0.94112	109.8577	5.44184e-03	0.0%	2	132	0.724
6	0	13	0.94087	109.9013	6.36720e-04	0.0%	2	205	0.725
-6	2	17	0.94080	109.9131	7.77156e-03	0.0%	2	329	0.725
6	2	-17	0.94080	109.9131	7.45293e-03	0.0%	2	329	0.725

20	0	1	0.94067	109.9361	1.01914e-03	0.0%	2	401	0.725
15	1	6	0.94049	109.9665	1.71600e-03	0.0%	2	262	0.725
15	-1	6	0.94049	109.9665	2.03226e-03	0.0%	2	262	0.725
12	4	2	0.94023	110.0120	3.92648e-03	0.0%	2	164	0.726
12	-4	2	0.94023	110.0120	5.07336e-03	0.0%	2	164	0.726
2	18	0.94007	110.0412	6.69590e-03	0.0%	2	524	0.726	
14	2	-18	0.94007	110.0412	7.22874e-03	0.0%	2	524	0.726
19	3	-3	0.93983	110.0827	9.14798e-04	0.0%	2	379	0.726
3	3	0.93983	110.0827	8.64723e-04	0.0%	2	379	0.726	
2	18	0.93982	110.0834	7.39449e-03	0.0%	2	472	0.726	
12	2	-18	0.93982	110.0834	7.62295e-03	0.0%	2	472	0.726
-3	1	17	0.93979	110.0898	7.12450e-03	0.0%	2	299	0.726
3	1	-17	0.93979	110.0898	7.74947e-03	0.0%	2	299	0.726
3	16	0.93966	110.1122	7.00567e-03	0.0%	2	434	0.726	
13	3	-16	0.93966	110.1122	7.89862e-03	0.0%	2	434	0.726
-4	4	12	0.93955	110.1303	9.86605e-03	0.1%	2	176	0.727
4	4	-12	0.93955	110.1303	9.96539e-03	0.1%	2	176	0.727
-7	5	6	0.93949	110.1418	5.42954e-03	0.0%	2	110	0.727
7	5	-6	0.93949	110.1418	5.31333e-03	0.0%	2	110	0.727
3	15	0.93943	110.1527	5.07439e-03	0.0%	2	523	0.727	
17	3	-15	0.93943	110.1527	5.48179e-03	0.0%	2	523	0.727
2	2	14	0.93889	110.2468	7.62652e-03	0.0%	2	204	0.727
2	-2	14	0.93889	110.2468	7.11153e-03	0.0%	2	204	0.727
7	5	0	0.93841	110.3308	3.83143e-03	0.0%	4	74	0.728
1	5	5	0.93746	110.4969	6.55312e-03	0.0%	2	51	0.729
1	-5	5	0.93746	110.4969	7.41200e-03	0.0%	2	51	0.729
20	2	-1	0.93700	110.5781	2.26999e-03	0.0%	2	405	0.730
2	1	0.93700	110.5781	2.28142e-03	0.0%	2	405	0.730	
1	19	0.93690	110.5971	1.03318e-02	0.1%	2	483	0.730	
11	1	-19	0.93690	110.5971	1.00440e-02	0.1%	2	483	0.730
4	2	13	0.93687	110.6020	4.34108e-03	0.0%	2	189	0.730
4	-2	13	0.93687	110.6020	4.28962e-03	0.0%	2	189	0.730
16	4	-4	0.93555	110.8349	3.85172e-03	0.0%	2	288	0.732
4	4	0.93555	110.8349	4.46668e-03	0.0%	2	288	0.732	
12	0	9	0.93543	110.8565	6.10090e-03	0.0%	2	225	0.732
2	0	-17	0.93513	110.9108	5.08904e-03	0.0%	2	293	0.733
0	2	15	0.93494	110.9445	3.70369e-03	0.0%	2	229	0.733
0	2	-15	0.93494	110.9445	3.65972e-03	0.0%	2	229	0.733
16	4	-10	0.93493	110.9460	1.99568e-03	0.0%	2	372	0.733

4	10	0.93493	110.9460	1.89512e-03	0.0%	2	372	0.733	
-1	5	6	0.93493	110.9462	6.86764e-03	0.0%	2	62	0.733
1	5	-6	0.93493	110.9462	7.33484e-03	0.0%	2	62	0.733
-9	3	16	0.93443	111.0343	3.69085e-03	0.0%	2	346	0.734
9	3	-16	0.93443	111.0343	3.33235e-03	0.0%	2	346	0.734
23	1	-16	0.93416	111.0841	2.15108e-03	0.0%	2	786	0.734
1	16	0.93416	111.0841	2.08906e-03	0.0%	2	786	0.734	
1	19	0.93407	111.0991	1.58832e-03	0.0%	2	651	0.734	
17	1	-19	0.93407	111.0991	1.62218e-03	0.0%	2	651	0.734
3	5	4	0.93405	111.1021	4.40795e-03	0.0%	2	50	0.734
3	-5	4	0.93405	111.1021	4.77324e-03	0.0%	2	50	0.734
16	2	4	0.93397	111.1170	3.46691e-03	0.0%	2	276	0.734
16	-2	4	0.93397	111.1170	3.11963e-03	0.0%	2	276	0.734
23	1	-4	0.93327	111.2420	1.28604e-03	0.0%	2	546	0.735
1	4	0.93327	111.2420	1.21498e-03	0.0%	2	546	0.735	
4	12	0.93317	111.2605	2.92193e-03	0.0%	2	356	0.735	
14	4	-12	0.93317	111.2605	2.86883e-03	0.0%	2	356	0.735
19	1	2	0.93263	111.3575	5.12690e-03	0.0%	2	366	0.736
19	-1	2	0.93263	111.3575	4.95195e-03	0.0%	2	366	0.736
4	13	0.93238	111.4027	5.74881e-03	0.0%	2	285	0.737	
10	4	-13	0.93238	111.4027	5.69965e-03	0.0%	2	285	0.737
2	18	0.93170	111.5253	5.89172e-03	0.0%	2	584	0.738	
16	2	-18	0.93170	111.5253	6.00782e-03	0.0%	2	584	0.738
3	3	12	0.93160	111.5430	5.49854e-03	0.0%	2	162	0.738
3	-3	12	0.93160	111.5430	5.17286e-03	0.0%	2	162	0.738
8	4	6	0.93154	111.5552	4.59260e-03	0.0%	2	116	0.738
8	-4	6	0.93154	111.5552	5.56249e-03	0.0%	2	116	0.738
9	5	-4	0.93153	111.5561	4.85341e-03	0.0%	2	122	0.738
-9	5	4	0.93153	111.5561	5.03337e-03	0.0%	2	122	0.738
14	2	6	0.93151	111.5590	5.40847e-03	0.0%	2	236	0.738
14	-2	6	0.93151	111.5590	5.66148e-03	0.0%	2	236	0.738
1	3	13	0.93133	111.5919	3.69317e-03	0.0%	2	179	0.738
1	-3	13	0.93133	111.5919	3.70919e-03	0.0%	2	179	0.738
-5	5	7	0.93112	111.6305	2.77500e-03	0.0%	2	99	0.739
5	5	-7	0.93112	111.6305	2.15115e-03	0.0%	2	99	0.739
19	3	-14	0.93109	111.6355	4.28963e-03	0.0%	2	566	0.739
3	14	0.93109	111.6355	3.90207e-03	0.0%	2	566	0.739	
2	18	0.93099	111.6532	4.66646e-03	0.0%	2	428	0.739	
10	2	-18	0.93099	111.6532	4.87032e-03	0.0%	2	428	0.739

21	3	-9	0.93083	111.6833	5.05874e-03	0.0%	2	531	0.739
3	9	0.93083	111.6833	5.37153e-03	0.0%	2	531	0.739	
-8	4	13	0.93056	111.7319	7.09445e-03	0.0%	2	249	0.739
8	4	-13	0.93056	111.7319	6.43999e-03	0.0%	2	249	0.739
9	5	-3	0.93005	111.8253	5.01850e-03	0.0%	2	115	0.740
-9	5	3	0.93005	111.8253	4.77516e-03	0.0%	2	115	0.740
21	3	-10	0.92960	111.9076	6.00779e-03	0.0%	2	550	0.741
3	10	0.92960	111.9076	6.33928e-03	0.0%	2	550	0.741	
9	5	-5	0.92949	111.9262	3.51709e-03	0.0%	2	131	0.741
-9	5	5	0.92949	111.9262	3.55088e-03	0.0%	2	131	0.741
3	16	0.92940	111.9433	4.40154e-03	0.0%	2	490	0.741	
15	3	-16	0.92940	111.9433	4.89697e-03	0.0%	2	490	0.741
22	2	-15	0.92931	111.9598	3.15222e-03	0.0%	2	713	0.741
2	15	0.92931	111.9598	3.25378e-03	0.0%	2	713	0.741	
9	1	11	0.92918	111.9843	3.70946e-03	0.0%	2	203	0.742
9	-1	11	0.92918	111.9843	3.94274e-03	0.0%	2	203	0.742
6	2	12	0.92899	112.0177	2.24087e-03	0.0%	2	184	0.742
6	-2	12	0.92899	112.0177	2.74276e-03	0.0%	2	184	0.742
14	4	0	0.92896	112.0237	4.45879e-03	0.0%	4	212	0.742
13	1	8	0.92880	112.0538	3.42742e-03	0.0%	2	234	0.742
13	-1	8	0.92880	112.0538	3.56449e-03	0.0%	2	234	0.742
21	3	-8	0.92855	112.0989	1.00974e-03	0.0%	2	514	0.743
3	8	0.92855	112.0989	9.05134e-04	0.0%	2	514	0.743	
25	1	-11	0.92763	112.2674	7.26848e-03	0.0%	2	747	0.744
1	11	0.92763	112.2674	7.28127e-03	0.0%	2	747	0.744	
8	0	12	0.92751	112.2901	4.55470e-03	0.0%	2	208	0.744
13	3	5	0.92743	112.3046	1.80844e-03	0.0%	2	203	0.744
13	-3	5	0.92743	112.3046	1.69875e-03	0.0%	2	203	0.744
-7	5	7	0.92723	112.3407	8.07801e-03	0.0%	2	123	0.745
7	5	-7	0.92723	112.3407	7.83855e-03	0.0%	2	123	0.745
15	3	3	0.92706	112.3724	1.75006e-03	0.0%	2	243	0.745
15	-3	3	0.92706	112.3724	1.35238e-03	0.0%	2	243	0.745
24	0	-5	0.92692	112.3980	2.05720e-03	0.0%	2	601	0.745
-3	5	7	0.92659	112.4598	2.15890e-03	0.0%	2	83	0.746
3	5	-7	0.92659	112.4598	1.97410e-03	0.0%	2	83	0.746
25	1	-10	0.92627	112.5192	9.63101e-04	0.0%	2	726	0.746
1	10	0.92627	112.5192	1.00220e-03	0.0%	2	726	0.746	
18	2	2	0.92615	112.5402	3.69665e-03	0.0%	2	332	0.747
18	-2	2	0.92615	112.5402	3.66517e-03	0.0%	2	332	0.747
5	3	11	0.92606	112.5577	5.11058e-03	0.0%	2	155	0.747

5	-3	11	0.92606	112.5577	5.48526e-03	0.0%	2	155	0.747
22	2	-4	0.92605	112.5597	3.62971e-03	0.0%	2	504	0.747
2	4	0.92605	112.5597	3.18940e-03	0.0%	2	504	0.747	
8	0	-19	0.92594	112.5800	5.77356e-03	0.0%	2	425	0.747
7	5	1	0.92585	112.5966	2.69202e-03	0.0%	2	75	0.747
7	-5	1	0.92585	112.5966	2.02446e-03	0.0%	2	75	0.747
4	13	0.92577	112.6119	4.78721e-03	0.0%	2	329	0.747	
12	4	-13	0.92577	112.6119	5.42734e-03	0.0%	2	329	0.747
25	1	-12	0.92552	112.6582	3.22257e-03	0.0%	2	770	0.748
1	12	0.92552	112.6582	3.61919e-03	0.0%	2	770	0.748	
2	4	10	0.92531	112.6968	3.45470e-03	0.0%	2	120	0.748
2	-4	10	0.92531	112.6968	2.99619e-03	0.0%	2	120	0.748
-1	3	14	0.92526	112.7056	3.65810e-03	0.0%	2	206	0.748
1	3	-14	0.92526	112.7056	3.47007e-03	0.0%	2	206	0.748
24	0	-16	0.92526	112.7069	1.57522e-03	0.0%	2	832	0.748
-2	2	16	0.92524	112.7103	6.74852e-03	0.0%	2	264	0.748
2	2	-16	0.92524	112.7103	7.33607e-03	0.0%	2	264	0.748
9	5	-2	0.92509	112.7375	2.27367e-03	0.0%	2	110	0.748
-9	5	2	0.92509	112.7375	2.06486e-03	0.0%	2	110	0.748
21	3	-11	0.92489	112.7750	4.60417e-03	0.0%	2	571	0.749
3	11	0.92489	112.7750	5.42426e-03	0.0%	2	571	0.749	
5	5	3	0.92489	112.7751	3.82412e-03	0.0%	2	59	0.749
5	-5	3	0.92489	112.7751	3.30954e-03	0.0%	2	59	0.749
9	5	-6	0.92400	112.9409	4.78623e-03	0.0%	2	142	0.750
-9	5	6	0.92400	112.9409	5.29353e-03	0.0%	2	142	0.750
16	4	-3	0.92338	113.0578	6.63736e-03	0.0%	2	281	0.751
4	3	0.92338	113.0578	7.71445e-03	0.0%	2	281	0.751	
0	4	11	0.92329	113.0740	2.62215e-04	0.0%	2	137	0.752
0	4	-11	0.92329	113.0740	2.04522e-04	0.0%	2	137	0.752
1	18	0.92292	113.1443	4.43921e-03	0.0%	2	766	0.752	
21	1	-18	0.92292	113.1443	4.50215e-03	0.0%	2	766	0.752
21	3	-7	0.92283	113.1603	4.00569e-03	0.0%	2	499	0.752
3	7	0.92283	113.1603	3.29072e-03	0.0%	2	499	0.752	
16	4	-11	0.92258	113.2082	5.73848e-03	0.0%	2	393	0.753
4	11	0.92258	113.2082	4.91148e-03	0.0%	2	393	0.753	
4	4	9	0.92161	113.3907	7.67217e-03	0.0%	2	113	0.755
4	-4	9	0.92161	113.3907	6.33250e-03	0.0%	2	113	0.755
25	1	-9	0.92147	113.4173	4.60269e-03	0.0%	2	707	0.755
1	9	0.92147	113.4173	4.27750e-03	0.0%	2	707	0.755	

22	0	-18	0.92134	113.4432	6.55341e-03	0.0%	2	808	0.755
-5	1	18	0.92109	113.4896	6.28788e-03	0.0%	2	350	0.756
5	1	-18	0.92109	113.4896	6.81432e-03	0.0%	2	350	0.756
-9	1	19	0.92099	113.5084	9.57326e-03	0.1%	2	443	0.756
9	1	-19	0.92099	113.5084	8.87530e-03	0.1%	2	443	0.756
2	17	0.92096	113.5148	5.07835e-03	0.0%	2	693	0.756	
20	2	-17	0.92096	113.5148	5.14201e-03	0.0%	2	693	0.756
20	0	-19	0.92051	113.6001	1.23993e-02	0.1%	2	761	0.757
-6	4	13	0.92046	113.6104	4.09410e-03	0.0%	2	221	0.757
6	4	-13	0.92046	113.6104	3.88232e-03	0.0%	2	221	0.757
25	1	-13	0.92000	113.6971	8.69159e-03	0.1%	2	795	0.758
1	13	0.92000	113.6971	9.21577e-03	0.1%	2	795	0.758	
19	3	-2	0.91955	113.7832	3.83424e-03	0.0%	2	374	0.758
3	2	0.91955	113.7832	3.38732e-03	0.0%	2	374	0.758	
-7	3	16	0.91937	113.8175	5.60113e-03	0.0%	2	314	0.759
7	3	-16	0.91937	113.8175	6.43810e-03	0.0%	2	314	0.759
4	0	-18	0.91929	113.8326	6.65837e-03	0.0%	2	340	0.759
12	2	8	0.91902	113.8841	2.56249e-03	0.0%	2	212	0.759
12	-2	8	0.91902	113.8841	3.09218e-03	0.0%	2	212	0.759
11	3	7	0.91778	114.1219	3.42216e-03	0.0%	2	179	0.762
11	-3	7	0.91778	114.1219	2.47843e-03	0.0%	2	179	0.762
21	3	-12	0.91687	114.2980	5.29982e-03	0.0%	2	594	0.764
3	12	0.91687	114.2980	4.89541e-03	0.0%	2	594	0.764	
9	5	-1	0.91683	114.3060	2.51482e-03	0.0%	2	107	0.764
-9	5	1	0.91683	114.3060	1.86030e-03	0.0%	2	107	0.764
1	5	6	0.91680	114.3111	4.41573e-03	0.0%	2	62	0.764
1	-5	6	0.91680	114.3111	5.18948e-03	0.0%	2	62	0.764
17	3	1	0.91672	114.3281	2.06427e-03	0.0%	2	299	0.764
17	-3	1	0.91672	114.3281	1.68448e-03	0.0%	2	299	0.764
1	19	0.91653	114.3639	4.56100e-03	0.0%	2	723	0.764	
19	1	-19	0.91653	114.3639	5.03232e-03	0.0%	2	723	0.764
22	0	-1	0.91644	114.3819	3.87496e-03	0.0%	2	485	0.764
8	2	11	0.91569	114.5270	2.89808e-03	0.0%	2	189	0.766
8	-2	11	0.91569	114.5270	3.25475e-03	0.0%	2	189	0.766
-2	4	12	0.91567	114.5315	5.07887e-03	0.0%	2	164	0.766
2	4	-12	0.91567	114.5315	5.51788e-03	0.0%	2	164	0.766
2	18	0.91540	114.5848	3.23622e-03	0.0%	2	652	0.767	
18	2	-18	0.91540	114.5848	3.06693e-03	0.0%	2	652	0.767
-9	5	7	0.91524	114.6148	1.08238e-02	0.1%	2	155	0.767
9	5	-7	0.91524	114.6148	1.06476e-02	0.1%	2	155	0.767
18	0	4	0.91510	114.6425	4.67599e-04	0.0%	2	340	0.767

7	3	10	0.91501	114.6604	4.03219e-03	0.0%	2	158	0.767
7	-3	10	0.91501	114.6604	4.85201e-03	0.0%	2	158	0.767
16	0	6	0.91499	114.6641	3.74544e-03	0.0%	2	292	0.767
24	2	-10	0.91445	114.7700	2.94312e-03	0.0%	2	680	0.769
2	10	0.91445	114.7700	3.03617e-03	0.0%	2	680	0.769	
24	2	-11	0.91430	114.7986	2.80523e-03	0.0%	2	701	0.769
2	11	0.91430	114.7986	3.03210e-03	0.0%	2	701	0.769	
-8	2	18	0.91428	114.8029	5.19704e-03	0.0%	2	392	0.769
8	2	-18	0.91428	114.8029	5.07249e-03	0.0%	2	392	0.769
3	5	5	0.91404	114.8492	7.17987e-03	0.0%	2	59	0.769
3	-5	5	0.91404	114.8492	7.60374e-03	0.0%	2	59	0.769
-1	5	7	0.91400	114.8573	6.42018e-03	0.0%	2	75	0.769
1	5	-7	0.91400	114.8573	6.87246e-03	0.0%	2	75	0.769
21	3	-6	0.91387	114.8832	2.49416e-03	0.0%	2	486	0.770
3	6	0.91387	114.8832	2.35914e-03	0.0%	2	486	0.770	
21	1	0	0.91383	114.8919	2.00355e-03	0.0%	4	442	0.770
-3	3	15	0.91373	114.9110	5.43804e-03	0.0%	2	243	0.770
3	3	-15	0.91373	114.9110	5.33549e-03	0.0%	2	243	0.770
25	1	-8	0.91340	114.9750	1.81406e-03	0.0%	2	690	0.771
1	8	0.91340	114.9750	1.95271e-03	0.0%	2	690	0.771	
12	4	3	0.91337	114.9820	5.55139e-03	0.0%	2	169	0.771
12	-4	3	0.91337	114.9820	5.84141e-03	0.0%	2	169	0.771
-5	5	8	0.91290	115.0740	5.25189e-03	0.0%	2	114	0.772
5	5	-8	0.91290	115.0740	4.94265e-03	0.0%	2	114	0.772
6	4	8	0.91240	115.1730	4.40796e-03	0.0%	2	116	0.773
6	-4	8	0.91240	115.1730	4.28925e-03	0.0%	2	116	0.773
-7	5	8	0.91211	115.2297	2.64665e-03	0.0%	2	138	0.773
7	5	-8	0.91211	115.2297	2.49878e-03	0.0%	2	138	0.773
23	1	-17	0.91190	115.2716	6.07570e-03	0.0%	2	819	0.774
1	17	0.91190	115.2716	5.95420e-03	0.0%	2	819	0.774	
3	16	0.91142	115.3678	5.02492e-03	0.0%	2	554	0.775	
17	3	-16	0.91142	115.3678	5.34127e-03	0.0%	2	554	0.775
24	2	-9	0.91127	115.3972	3.40149e-03	0.0%	2	661	0.775
2	9	0.91127	115.3972	3.55253e-03	0.0%	2	661	0.775	
25	1	-14	0.91125	115.4002	5.81201e-03	0.0%	2	822	0.775
1	14	0.91125	115.4002	6.09414e-03	0.0%	2	822	0.775	
4	13	0.91125	115.4017	5.99328e-03	0.0%	2	381	0.775	
14	4	-13	0.91125	115.4017	7.10002e-03	0.0%	2	381	0.775
23	1	-3	0.91095	115.4617	2.67030e-03	0.0%	2	539	0.776

1	3	0.91095	115.4617	2.35264e-03	0.0%	2	539	0.776	
24	2	-12	0.91084	115.4834	6.14186e-03	0.0%	2	724	0.776
2	12	0.91084	115.4834	6.15019e-03	0.0%	2	724	0.776	
7	5	2	0.91047	115.5569	2.68225e-03	0.0%	2	78	0.777
7	-5	2	0.91047	115.5569	2.07702e-03	0.0%	2	78	0.777
10	4	5	0.91044	115.5630	5.07341e-03	0.0%	2	141	0.777
10	-4	5	0.91044	115.5630	6.85801e-03	0.0%	2	141	0.777
-4	2	17	0.91032	115.5875	6.43540e-03	0.0%	2	309	0.777
4	2	-17	0.91032	115.5875	6.32903e-03	0.0%	2	309	0.777
3	15	0.90990	115.6711	4.87068e-03	0.0%	2	595	0.778	
19	3	-15	0.90990	115.6711	4.74018e-03	0.0%	2	595	0.778
22	2	-16	0.90924	115.8029	6.91097e-03	0.0%	2	744	0.780
2	16	0.90924	115.8029	6.61439e-03	0.0%	2	744	0.780	
10	0	11	0.90920	115.8108	5.96868e-03	0.0%	2	221	0.780
20	2	0	0.90881	115.8893	7.44636e-03	0.0%	4	404	0.781
16	4	-2	0.90838	115.9769	1.65214e-03	0.0%	2	276	0.782
4	2	0.90838	115.9769	1.71146e-03	0.0%	2	276	0.782	
11	1	10	0.90783	116.0866	3.29487e-03	0.0%	2	222	0.783
11	-1	10	0.90783	116.0866	3.69108e-03	0.0%	2	222	0.783
16	4	-12	0.90743	116.1694	1.10814e-03	0.0%	2	416	0.784
4	12	0.90743	116.1694	9.66568e-04	0.0%	2	416	0.784	
24	0	-4	0.90687	116.2819	9.47511e-04	0.0%	2	592	0.785
14	4	1	0.90668	116.3215	3.29521e-03	0.0%	2	213	0.786
14	-4	1	0.90668	116.3215	3.86654e-03	0.0%	2	213	0.786
3	1	15	0.90607	116.4459	4.81684e-03	0.0%	2	235	0.787
3	-1	15	0.90607	116.4459	4.46839e-03	0.0%	2	235	0.787
5	5	4	0.90587	116.4862	2.54054e-03	0.0%	2	66	0.788
5	-5	4	0.90587	116.4862	2.03901e-03	0.0%	2	66	0.788
21	3	-13	0.90579	116.5014	3.40153e-03	0.0%	2	619	0.788
3	13	0.90579	116.5014	3.59941e-03	0.0%	2	619	0.788	
-3	5	8	0.90579	116.5025	6.86340e-03	0.0%	2	98	0.788
3	5	-8	0.90579	116.5025	6.61266e-03	0.0%	2	98	0.788
22	2	-3	0.90563	116.5340	1.98116e-03	0.0%	2	497	0.788
2	3	0.90563	116.5340	2.40049e-03	0.0%	2	497	0.788	
20	0	2	0.90560	116.5421	1.61431e-03	0.0%	2	404	0.788
9	5	0	0.90553	116.5563	1.47918e-03	0.0%	4	106	0.788
14	0	8	0.90527	116.6080	1.41230e-03	0.0%	2	260	0.789
24	0	-17	0.90503	116.6585	8.47925e-03	0.1%	2	865	0.790
24	2	-8	0.90487	116.6906	4.30644e-03	0.0%	2	644	0.790

2	8	0.90487	116.6906	4.46424e-03	0.0%	2	644	0.790	
1	1	16	0.90457	116.7531	5.18204e-03	0.0%	2	258	0.791
1	-1	16	0.90457	116.7531	4.64429e-03	0.0%	2	258	0.791
24	2	-13	0.90417	116.8358	2.30684e-03	0.0%	2	749	0.792
2	13	0.90417	116.8358	2.41279e-03	0.0%	2	749	0.792	
11	5	-5	0.90374	116.9229	2.41089e-03	0.0%	2	171	0.793
5	5	0.90374	116.9229	2.01448e-03	0.0%	2	171	0.793	
-9	5	8	0.90349	116.9760	2.17317e-03	0.0%	2	170	0.794
9	5	-8	0.90349	116.9760	2.25082e-03	0.0%	2	170	0.794
18	4	-8	0.90310	117.0570	5.29848e-03	0.0%	2	404	0.794
4	8	0.90310	117.0570	5.95349e-03	0.0%	2	404	0.794	
-4	4	13	0.90285	117.1085	7.81381e-03	0.0%	2	201	0.795
4	4	-13	0.90285	117.1085	8.43270e-03	0.1%	2	201	0.795
11	5	-4	0.90280	117.1179	3.03658e-03	0.0%	2	162	0.795
5	4	0.90280	117.1179	2.77663e-03	0.0%	2	162	0.795	
3	17	0.90269	117.1420	4.00858e-03	0.0%	2	467	0.796	
13	3	-17	0.90269	117.1420	4.32880e-03	0.0%	2	467	0.796
25	1	-7	0.90232	117.2187	1.95008e-03	0.0%	2	675	0.796
1	7	0.90232	117.2187	1.81985e-03	0.0%	2	675	0.796	
5	1	14	0.90220	117.2431	5.69668e-03	0.0%	2	222	0.797
5	-1	14	0.90220	117.2431	5.76304e-03	0.0%	2	222	0.797
18	4	-7	0.90200	117.2855	5.20814e-03	0.0%	2	389	0.797
4	7	0.90200	117.2855	5.52509e-03	0.0%	2	389	0.797	
21	3	-5	0.90194	117.2969	1.76482e-03	0.0%	2	475	0.797
3	5	0.90194	117.2969	1.49449e-03	0.0%	2	475	0.797	
4	14	0.90160	117.3683	3.39746e-03	0.0%	2	312	0.798	
10	4	-14	0.90160	117.3683	3.21205e-03	0.0%	2	312	0.798
11	5	-6	0.90147	117.3952	4.77646e-03	0.0%	2	182	0.799
5	6	0.90147	117.3952	4.79511e-03	0.0%	2	182	0.799	
3	17	0.90141	117.4071	5.22487e-03	0.0%	2	419	0.799	
11	3	-17	0.90141	117.4071	4.91775e-03	0.0%	2	419	0.799
17	1	5	0.90116	117.4608	1.59485e-03	0.0%	2	315	0.799
17	-1	5	0.90116	117.4608	1.37719e-03	0.0%	2	315	0.799
18	4	-9	0.90099	117.4965	5.23924e-03	0.0%	2	421	0.800
4	9	0.90099	117.4965	6.05260e-03	0.0%	2	421	0.800	
25	1	-15	0.89956	117.7972	4.15233e-03	0.0%	2	851	0.804

1	15	0.89956	117.7972	4.36093e-03	0.0%	2	851	0.804	
9	3	9	0.89903	117.9092	2.89035e-03	0.0%	2	171	0.805
9	-3	9	0.89903	117.9092	3.05754e-03	0.0%	2	171	0.805
6	0	-19	0.89892	117.9322	8.13347e-03	0.0%	2	397	0.805
11	5	-3	0.89868	117.9838	5.61983e-03	0.0%	2	155	0.806
5	3	0.89868	117.9838	4.99754e-03	0.0%	2	155	0.806	
4	14	0.89836	118.0499	4.77191e-03	0.0%	2	356	0.807	
12	4	-14	0.89836	118.0499	5.52158e-03	0.0%	2	356	0.807
-7	1	19	0.89817	118.0915	7.31519e-03	0.0%	2	411	0.807
7	1	-19	0.89817	118.0915	6.97832e-03	0.0%	2	411	0.807
8	4	7	0.89816	118.0938	4.08034e-03	0.0%	2	129	0.807
8	-4	7	0.89816	118.0938	5.40162e-03	0.0%	2	129	0.807
2	19	0.89806	118.1155	4.87011e-03	0.0%	2	561	0.808	
14	2	-19	0.89806	118.1155	5.10679e-03	0.0%	2	561	0.808
-1	1	17	0.89778	118.1740	6.57787e-03	0.0%	2	291	0.808
1	1	-17	0.89778	118.1740	6.58601e-03	0.0%	2	291	0.808
18	4	-6	0.89772	118.1862	3.76858e-03	0.0%	2	376	0.809
4	6	0.89772	118.1862	5.03829e-03	0.0%	2	376	0.809	
10	2	10	0.89766	118.2006	4.36318e-03	0.0%	2	204	0.809
10	-2	10	0.89766	118.2006	4.71885e-03	0.0%	2	204	0.809
19	3	-1	0.89736	118.2645	2.97566e-03	0.0%	2	371	0.810
3	1	0.89736	118.2645	2.54037e-03	0.0%	2	371	0.810	
-5	3	16	0.89733	118.2703	6.45209e-03	0.0%	2	290	0.810
5	3	-16	0.89733	118.2703	6.76693e-03	0.0%	2	290	0.810
-8	4	14	0.89719	118.2998	2.87224e-03	0.0%	2	276	0.810
8	4	-14	0.89719	118.2998	2.29870e-03	0.0%	2	276	0.810
19	1	3	0.89663	118.4193	8.71708e-04	0.0%	2	371	0.812
19	-1	3	0.89663	118.4193	7.02041e-04	0.0%	2	371	0.812
15	1	7	0.89643	118.4640	2.79838e-03	0.0%	2	275	0.812
15	-1	7	0.89643	118.4640	2.64531e-03	0.0%	2	275	0.812
3	17	0.89631	118.4892	5.78459e-03	0.0%	2	523	0.813	
15	3	-17	0.89631	118.4892	6.73797e-03	0.0%	2	523	0.813
11	5	-7	0.89606	118.5436	3.25422e-03	0.0%	2	195	0.813
5	7	0.89606	118.5436	3.29528e-03	0.0%	2	195	0.813	
18	4	-10	0.89574	118.6123	3.60413e-03	0.0%	2	440	0.814
4	10	0.89574	118.6123	3.66303e-03	0.0%	2	440	0.814	
16	2	5	0.89564	118.6327	1.51349e-03	0.0%	2	285	0.815
16	-2	5	0.89564	118.6327	1.45385e-03	0.0%	2	285	0.815
24	2	-7	0.89545	118.6737	1.56870e-03	0.0%	2	629	0.815

2	7	0.89545	118.6737	1.60196e-03	0.0%	2	629	0.815	
2	19	0.89510	118.7491	6.12037e-03	0.0%	2	509	0.816	
12	2	-19	0.89510	118.7491	7.10406e-03	0.0%	2	509	0.816
-7	5	9	0.89457	118.8652	3.74826e-03	0.0%	2	155	0.818
7	5	-9	0.89457	118.8652	3.85201e-03	0.0%	2	155	0.818
24	2	-14	0.89449	118.8808	4.00160e-03	0.0%	2	776	0.818
2	14	0.89449	118.8808	3.79292e-03	0.0%	2	776	0.818	
1	5	7	0.89431	118.9203	5.76244e-03	0.0%	2	75	0.818
1	-5	7	0.89431	118.9203	6.81429e-03	0.0%	2	75	0.818
2	0	16	0.89420	118.9444	2.82489e-04	0.0%	2	260	0.819
15	3	4	0.89399	118.9901	2.07801e-03	0.0%	2	250	0.819
15	-3	4	0.89399	118.9901	2.07129e-03	0.0%	2	250	0.819
2	19	0.89346	119.1065	6.82897e-03	0.0%	2	621	0.821	
16	2	-19	0.89346	119.1065	6.95730e-03	0.0%	2	621	0.821
4	0	15	0.89326	119.1504	8.92532e-04	0.0%	2	241	0.821
7	1	13	0.89317	119.1692	4.21037e-03	0.0%	2	219	0.822
7	-1	13	0.89317	119.1692	4.37224e-03	0.0%	2	219	0.822
7	5	3	0.89270	119.2711	6.09238e-03	0.0%	2	83	0.823
7	-5	3	0.89270	119.2711	4.81925e-03	0.0%	2	83	0.823
-5	5	9	0.89259	119.2962	1.99859e-03	0.0%	2	131	0.823
5	5	-9	0.89259	119.2962	1.75302e-03	0.0%	2	131	0.823
-9	3	17	0.89259	119.2967	6.82328e-03	0.0%	2	379	0.823
9	3	-17	0.89259	119.2967	7.12812e-03	0.0%	2	379	0.823
1	19	0.89239	119.3397	1.06219e-02	0.1%	2	803	0.824	
21	1	-19	0.89239	119.3397	1.13216e-02	0.1%	2	803	0.824
2	18	0.89237	119.3455	1.12064e-02	0.1%	2	728	0.824	
20	2	-18	0.89237	119.3455	1.11211e-02	0.1%	2	728	0.824
22	0	-19	0.89231	119.3578	8.89779e-03	0.1%	2	845	0.824
18	2	3	0.89222	119.3767	2.33036e-03	0.0%	2	337	0.825
18	-2	3	0.89222	119.3767	2.18383e-03	0.0%	2	337	0.825
3	5	6	0.89215	119.3932	1.87996e-03	0.0%	2	70	0.825
3	-5	6	0.89215	119.3932	1.77009e-03	0.0%	2	70	0.825
21	3	-14	0.89199	119.4276	6.57554e-03	0.0%	2	646	0.825
3	14	0.89199	119.4276	6.65465e-03	0.0%	2	646	0.825	
9	5	1	0.89152	119.5320	3.56262e-03	0.0%	2	107	0.827
9	-5	1	0.89152	119.5320	3.40329e-03	0.0%	2	107	0.827
11	5	-2	0.89149	119.5372	1.50030e-03	0.0%	2	150	0.827
5	2	0.89149	119.5372	1.23687e-03	0.0%	2	150	0.827	
-1	5	8	0.89131	119.5771	3.05606e-03	0.0%	2	90	0.827

1	5	-8	0.89131	119.5771	3.72231e-03	0.0%	2	90	0.827
16	4	-1	0.89098	119.6516	2.50632e-03	0.0%	2	273	0.828
4	1	0.89098	119.6516	2.27875e-03	0.0%	2	273	0.828	
-6	2	18	0.89092	119.6643	3.42902e-03	0.0%	2	364	0.829
6	2	-18	0.89092	119.6643	3.19054e-03	0.0%	2	364	0.829
13	3	6	0.89082	119.6872	3.49677e-03	0.0%	2	214	0.829
13	-3	6	0.89082	119.6872	2.71676e-03	0.0%	2	214	0.829
18	4	-5	0.89041	119.7767	4.67506e-03	0.0%	2	365	0.830
4	5	0.89041	119.7767	4.58630e-03	0.0%	2	365	0.830	
0	0	17	0.88999	119.8695	3.10060e-03	0.0%	2	289	0.831
14	2	7	0.88998	119.8729	2.30100e-03	0.0%	2	249	0.832
14	-2	7	0.88998	119.8729	2.49249e-03	0.0%	2	249	0.832
4	13	0.88990	119.8907	6.30461e-03	0.0%	2	441	0.832	
16	4	-13	0.88990	119.8907	6.60618e-03	0.0%	2	441	0.832
-9	5	9	0.88909	120.0719	6.51117e-03	0.0%	2	187	0.834
9	5	-9	0.88909	120.0719	6.92864e-03	0.0%	2	187	0.834
25	1	-6	0.88854	120.1933	2.65397e-03	0.0%	2	662	0.836
1	6	0.88854	120.1933	2.33124e-03	0.0%	2	662	0.836	
2	4	11	0.88830	120.2478	2.96698e-03	0.0%	2	141	0.837
2	-4	11	0.88830	120.2478	1.95981e-03	0.0%	2	141	0.837
17	3	2	0.88814	120.2846	1.76244e-03	0.0%	2	302	0.837
17	-3	2	0.88814	120.2846	1.67177e-03	0.0%	2	302	0.837
1	18	0.88809	120.2947	4.48904e-03	0.0%	2	854	0.838	
23	1	-18	0.88809	120.2947	4.90457e-03	0.0%	2	854	0.838
2	2	15	0.88781	120.3591	2.74950e-03	0.0%	2	233	0.839
2	-2	15	0.88781	120.3591	2.64721e-03	0.0%	2	233	0.839
4	14	0.88773	120.3767	6.43419e-03	0.0%	2	408	0.839	
14	4	-14	0.88773	120.3767	6.44870e-03	0.0%	2	408	0.839
11	5	-8	0.88767	120.3909	5.64530e-03	0.0%	2	210	0.839
5	8	0.88767	120.3909	5.42502e-03	0.0%	2	210	0.839	
18	4	-11	0.88751	120.4265	5.20622e-03	0.0%	2	461	0.839
4	11	0.88751	120.4265	5.38678e-03	0.0%	2	461	0.839	
21	3	-4	0.88740	120.4510	2.52733e-03	0.0%	2	466	0.840
3	4	0.88740	120.4510	2.62573e-03	0.0%	2	466	0.840	
22	2	-17	0.88735	120.4619	6.15098e-03	0.0%	2	777	0.840
2	17	0.88735	120.4619	6.50958e-03	0.0%	2	777	0.840	
22	0	0	0.88734	120.4642	9.22582e-04	0.0%	2	484	0.840
6	0	14	0.88721	120.4945	8.06582e-03	0.0%	2	232	0.840

23	1	-2	0.88708	120.5223	6.86292e-04	0.0%	2	534	0.841
1	2	0.88708	120.5223	6.08246e-04	0.0%	2	534	0.841	
3	16	0.88702	120.5357	3.42082e-03	0.0%	2	626	0.841	
19	3	-16	0.88702	120.5357	4.05345e-03	0.0%	2	626	0.841
12	0	10	0.88684	120.5782	5.06751e-03	0.0%	2	244	0.842
4	2	14	0.88649	120.6568	3.85146e-03	0.0%	2	216	0.843
4	-2	14	0.88649	120.6568	3.74506e-03	0.0%	2	216	0.843
3	3	13	0.88636	120.6862	5.07249e-03	0.0%	2	187	0.843
3	-3	13	0.88636	120.6862	5.07931e-03	0.0%	2	187	0.843
0	4	12	0.88612	120.7398	8.48874e-03	0.1%	2	160	0.844
0	4	-12	0.88612	120.7398	6.96878e-03	0.0%	2	160	0.844
-3	1	18	0.88606	120.7548	5.74352e-03	0.0%	2	334	0.844
3	1	-18	0.88606	120.7548	6.59234e-03	0.0%	2	334	0.844
1	3	14	0.88574	120.8281	3.37724e-03	0.0%	2	206	0.845
1	-3	14	0.88574	120.8281	3.31806e-03	0.0%	2	206	0.845
12	4	4	0.88563	120.8517	2.98752e-03	0.0%	2	176	0.846
12	-4	4	0.88563	120.8517	3.14451e-03	0.0%	2	176	0.846
-6	4	14	0.88547	120.8885	9.71774e-03	0.1%	2	248	0.846
6	4	-14	0.88547	120.8885	9.90445e-03	0.1%	2	248	0.846
4	4	10	0.88542	120.9007	2.93188e-03	0.0%	2	132	0.846
4	-4	10	0.88542	120.9007	2.79806e-03	0.0%	2	132	0.846
25	1	-16	0.88525	120.9382	5.69256e-03	0.0%	2	882	0.847
1	16	0.88525	120.9382	5.36327e-03	0.0%	2	882	0.847	
24	0	-3	0.88502	120.9910	1.01325e-03	0.0%	2	585	0.848
5	5	5	0.88493	121.0120	4.71122e-03	0.0%	2	75	0.848
5	-5	5	0.88493	121.0120	4.09721e-03	0.0%	2	75	0.848
2	19	0.88482	121.0382	6.93010e-03	0.0%	2	465	0.849	
10	2	-19	0.88482	121.0382	7.89285e-03	0.0%	2	465	0.849
0	2	16	0.88408	121.2083	5.16720e-03	0.0%	2	260	0.851
0	2	-16	0.88408	121.2083	5.43058e-03	0.0%	2	260	0.851
22	2	-2	0.88349	121.3443	2.07264e-03	0.0%	2	492	0.853
2	2	0.88349	121.3443	2.14081e-03	0.0%	2	492	0.853	
-3	5	9	0.88330	121.3864	3.32515e-03	0.0%	2	115	0.854
3	5	-9	0.88330	121.3864	3.80315e-03	0.0%	2	115	0.854
24	2	-6	0.88329	121.3883	2.19089e-03	0.0%	2	616	0.854
2	6	0.88329	121.3883	2.19344e-03	0.0%	2	616	0.854	
21	1	1	0.88326	121.3955	2.01505e-03	0.0%	2	443	0.854
21	-1	1	0.88326	121.3955	2.14687e-03	0.0%	2	443	0.854
24	0	-18	0.88305	121.4459	1.22471e-03	0.0%	2	900	0.855
14	4	2	0.88290	121.4794	3.97900e-03	0.0%	2	216	0.855
14	-4	2	0.88290	121.4794	2.93371e-03	0.0%	2	216	0.855

13	1	9	0.88287	121.4876	2.47292e-03	0.0%	2	251	0.855
13	-1	9	0.88287	121.4876	2.40570e-03	0.0%	2	251	0.855
3	17	0.88275	121.5134	3.98074e-03	0.0%	2	587	0.856	
17	3	-17	0.88275	121.5134	4.24892e-03	0.0%	2	587	0.856
24	2	-15	0.88211	121.6622	7.59965e-03	0.0%	2	805	0.858
2	15	0.88211	121.6622	7.35457e-03	0.0%	2	805	0.858	
5	3	12	0.88197	121.6964	6.00367e-03	0.0%	2	178	0.859
5	-3	12	0.88197	121.6964	6.12307e-03	0.0%	2	178	0.859
2	19	0.88165	121.7711	9.71998e-03	0.1%	2	689	0.860	
18	2	-19	0.88165	121.7711	9.59324e-03	0.1%	2	689	0.860
11	5	-1	0.88147	121.8112	3.69545e-03	0.0%	2	147	0.860
5	1	0.88147	121.8112	3.45246e-03	0.0%	2	147	0.860	
2	0	-18	0.88085	121.9583	1.02412e-02	0.1%	2	328	0.863
18	4	-4	0.88028	122.0913	1.26734e-03	0.0%	2	356	0.865
4	4	0.88028	122.0913	8.77594e-04	0.0%	2	356	0.865	
6	2	13	0.88019	122.1123	2.98034e-03	0.0%	2	209	0.865
6	-2	13	0.88019	122.1123	3.12613e-03	0.0%	2	209	0.865
-1	3	15	0.88013	122.1272	2.80242e-03	0.0%	2	235	0.865
1	3	-15	0.88013	122.1272	3.13653e-03	0.0%	2	235	0.865
20	2	1	0.88003	122.1509	7.20052e-04	0.0%	2	405	0.866
20	-2	1	0.88003	122.1509	4.84959e-04	0.0%	2	405	0.866
10	4	6	0.87959	122.2550	1.65456e-03	0.0%	2	152	0.867
10	-4	6	0.87959	122.2550	2.60193e-03	0.0%	2	152	0.867
9	1	12	0.87943	122.2912	4.61029e-03	0.0%	2	226	0.868
9	-1	12	0.87943	122.2912	4.81520e-03	0.0%	2	226	0.868
-2	4	13	0.87900	122.3946	6.95393e-03	0.0%	2	189	0.870
2	4	-13	0.87900	122.3946	6.58854e-03	0.0%	2	189	0.870
11	3	8	0.87889	122.4196	2.26299e-03	0.0%	2	194	0.870
11	-3	8	0.87889	122.4196	1.89474e-03	0.0%	2	194	0.870
6	4	9	0.87762	122.7226	4.70389e-03	0.0%	2	133	0.875
6	-4	9	0.87762	122.7226	5.73428e-03	0.0%	2	133	0.875
-7	3	17	0.87685	122.9060	4.71837e-03	0.0%	2	347	0.878
7	3	-17	0.87685	122.9060	5.35391e-03	0.0%	2	347	0.878
5	9	0.87655	122.9790	3.86001e-03	0.0%	2	227	0.879	
11	5	-9	0.87655	122.9790	3.96446e-03	0.0%	2	227	0.879
18	4	-12	0.87654	122.9805	2.51735e-03	0.0%	2	484	0.879
4	12	0.87654	122.9805	1.99325e-03	0.0%	2	484	0.879	
18	0	5	0.87639	123.0183	2.42227e-03	0.0%	2	349	0.880
8	0	13	0.87636	123.0258	3.22372e-03	0.0%	2	233	0.880
21	3	-15	0.87585	123.1474	4.22084e-03	0.0%	2	675	0.882

3	15	0.87585	123.1474	4.09347e-03	0.0%	2	675	0.882	
12	2	9	0.87573	123.1756	1.89872e-03	0.0%	2	229	0.883
12	-2	9	0.87573	123.1756	2.07235e-03	0.0%	2	229	0.883
-2	2	17	0.87548	123.2363	4.32319e-03	0.0%	2	297	0.884
2	2	-17	0.87548	123.2363	4.51693e-03	0.0%	2	297	0.884
9	5	2	0.87520	123.3060	2.49932e-03	0.0%	2	110	0.885
9	-5	2	0.87520	123.3060	2.38525e-03	0.0%	2	110	0.885
-7	5	10	0.87505	123.3410	1.83933e-03	0.0%	2	174	0.885
7	5	-10	0.87505	123.3410	1.76290e-03	0.0%	2	174	0.885
19	3	0	0.87377	123.6540	4.25933e-03	0.0%	4	370	0.891
13	5	-6	0.87343	123.7369	6.74418e-03	0.0%	2	230	0.892
5	6	0.87343	123.7369	6.22422e-03	0.0%	2	230	0.892	
23	3	-10	0.87304	123.8332	2.60935e-03	0.0%	2	638	0.894
3	10	0.87304	123.8332	2.49702e-03	0.0%	2	638	0.894	
7	5	4	0.87302	123.8378	1.17786e-03	0.0%	2	90	0.894
7	-5	4	0.87302	123.8378	6.76528e-04	0.0%	2	90	0.894
16	0	7	0.87299	123.8452	1.37077e-03	0.0%	2	305	0.894
13	5	-5	0.87295	123.8540	8.07428e-04	0.0%	2	219	0.894
5	5	0.87295	123.8540	8.90326e-04	0.0%	2	219	0.894	
7	3	11	0.87278	123.8975	3.96718e-03	0.0%	2	179	0.895
7	-3	11	0.87278	123.8975	4.02396e-03	0.0%	2	179	0.895
25	1	-5	0.87247	123.9741	1.48207e-03	0.0%	2	651	0.896
1	5	0.87247	123.9741	1.47011e-03	0.0%	2	651	0.896	
-9	5	10	0.87244	123.9813	3.87198e-03	0.0%	2	206	0.896
9	5	-10	0.87244	123.9813	4.34679e-03	0.0%	2	206	0.896
23	3	-11	0.87165	124.1767	6.29513e-03	0.0%	2	659	0.900
3	11	0.87165	124.1767	6.27904e-03	0.0%	2	659	0.900	
16	4	0	0.87163	124.1810	2.84954e-03	0.0%	4	272	0.900
23	3	-9	0.87153	124.2063	2.24793e-03	0.0%	2	619	0.900
3	9	0.87153	124.2063	2.31913e-03	0.0%	2	619	0.900	
20	0	3	0.87127	124.2709	1.38934e-03	0.0%	2	409	0.901
13	5	-7	0.87101	124.3363	2.60332e-03	0.0%	2	243	0.903
5	7	0.87101	124.3363	2.23770e-03	0.0%	2	243	0.903	
4	15	0.87078	124.3927	4.85187e-03	0.0%	2	341	0.904	
10	4	-15	0.87078	124.3927	4.81985e-03	0.0%	2	341	0.904
-5	5	10	0.87068	124.4180	3.30450e-03	0.0%	2	150	0.904
5	5	-10	0.87068	124.4180	3.02864e-03	0.0%	2	150	0.904
21	3	-3	0.87064	124.4278	1.65225e-03	0.0%	2	459	0.904
3	3	0.87	124.4278	1.50323e-03	0.0%	2	459	0.904	

		064							
1	5	8	0.87050	124.4622	2.68808e-03	0.0%	2	90	0.905
1	-5	8	0.87050	124.4622	2.62902e-03	0.0%	2	90	0.905
4	14	0.87045	124.4741	3.57718e-03	0.0%	2	468	0.905	
16	4	-14	0.87045	124.4741	3.66030e-03	0.0%	2	468	0.905
4	15	0.87036	124.4969	6.67050e-03	0.0%	2	385	0.905	
12	4	-15	0.87036	124.4969	7.19484e-03	0.0%	2	385	0.905
-5	1	19	0.86997	124.5961	5.33247e-03	0.0%	2	387	0.907
5	1	-19	0.86997	124.5961	5.67091e-03	0.0%	2	387	0.907
-3	3	16	0.86981	124.6351	2.67574e-03	0.0%	2	274	0.908
3	3	-16	0.86981	124.6351	2.32350e-03	0.0%	2	274	0.908
13	5	-4	0.86959	124.6906	5.34397e-03	0.0%	2	210	0.909
5	4	0.86959	124.6906	4.58337e-03	0.0%	2	210	0.909	
8	2	12	0.86922	124.7834	2.86628e-03	0.0%	2	212	0.911
8	-2	12	0.86922	124.7834	2.97279e-03	0.0%	2	212	0.911
11	5	0	0.86891	124.8634	2.53746e-03	0.0%	4	146	0.912
3	5	7	0.86887	124.8714	3.86466e-03	0.0%	2	83	0.912
3	-5	7	0.86887	124.8714	3.12399e-03	0.0%	2	83	0.912
24	2	-5	0.86874	124.9051	4.71051e-03	0.0%	2	605	0.913
2	5	0.86874	124.9051	4.78559e-03	0.0%	2	605	0.913	
25	1	-17	0.86873	124.9074	1.10464e-03	0.0%	2	915	0.913
1	17	0.86873	124.9074	9.76532e-04	0.0%	2	915	0.913	
-8	2	19	0.86793	125.1103	4.35092e-03	0.0%	2	429	0.917
8	2	-19	0.86793	125.1103	4.65907e-03	0.0%	2	429	0.917
18	4	-3	0.86762	125.1898	4.67263e-03	0.0%	2	349	0.918
4	3	0.86762	125.1898	3.90243e-03	0.0%	2	349	0.918	
23	3	-12	0.86740	125.2456	2.59316e-03	0.0%	2	682	0.919
3	12	0.86740	125.2456	2.69382e-03	0.0%	2	682	0.919	
24	2	-16	0.86737	125.2537	2.31288e-03	0.0%	2	836	0.919
2	16	0.86737	125.2537	2.54163e-03	0.0%	2	836	0.919	
-1	5	9	0.86737	125.2537	7.50602e-03	0.0%	2	107	0.919
1	5	-9	0.86737	125.2537	9.17430e-03	0.1%	2	107	0.919
-4	4	14	0.86727	125.2794	5.29212e-03	0.0%	2	228	0.920
4	4	-14	0.86727	125.2794	6.09757e-03	0.0%	2	228	0.920
4	0	-19	0.86721	125.2951	1.37313e-02	0.1%	2	377	0.920
23	3	-8	0.86716	125.3057	3.74843e-03	0.0%	2	602	0.920
3	8	0.86716	125.3057	2.88978e-03	0.0%	2	602	0.920	
3	18	0.86690	125.3733	5.47069e-03	0.0%	2	502	0.921	

13	3	-18	0.86690	125.3733	5.33583e-03	0.0%	2	502	0.921
13	5	-8	0.86575	125.6677	2.11542e-03	0.0%	2	258	0.927
5	8	0.86575	125.6677	1.96945e-03	0.0%	2	258	0.927	
8	4	8	0.86529	125.7890	3.25361e-03	0.0%	2	144	0.929
8	-4	8	0.86529	125.7890	4.62964e-03	0.0%	2	144	0.929
-8	4	15	0.86434	126.0345	5.27214e-03	0.0%	2	305	0.934
8	4	-15	0.86434	126.0345	5.40712e-03	0.0%	2	305	0.934
2	18	0.86414	126.0874	5.34138e-03	0.0%	2	812	0.935	
22	2	-18	0.86414	126.0874	5.07577e-03	0.0%	2	812	0.935
3	18	0.86369	126.2042	7.83097e-03	0.0%	2	558	0.937	
15	3	-18	0.86369	126.2042	7.73435e-03	0.0%	2	558	0.937
2	19	0.86345	126.2656	3.36988e-03	0.0%	2	765	0.938	
20	2	-19	0.86345	126.2656	3.10431e-03	0.0%	2	765	0.938
13	5	-3	0.86344	126.2690	5.64092e-03	0.0%	2	203	0.938
5	3	0.86344	126.2690	6.73311e-03	0.0%	2	203	0.938	
3	18	0.86331	126.3025	5.91848e-03	0.0%	2	454	0.939	
11	3	-18	0.86331	126.3025	5.91028e-03	0.0%	2	454	0.939
1	19	0.86323	126.3242	4.13302e-03	0.0%	2	891	0.940	
23	1	-19	0.86323	126.3242	4.12129e-03	0.0%	2	891	0.940
18	4	-13	0.86315	126.3446	5.24555e-03	0.0%	2	509	0.940
4	13	0.86315	126.3446	5.74894e-03	0.0%	2	509	0.940	
4	15	0.86312	126.3538	6.08537e-03	0.0%	2	437	0.940	
14	4	-15	0.86312	126.3538	6.97307e-03	0.0%	2	437	0.940
5	10	0.86302	126.3798	4.06669e-03	0.0%	2	246	0.941	
11	5	-10	0.86302	126.3798	4.63326e-03	0.0%	2	246	0.941
3	17	0.86297	126.3924	4.79909e-03	0.0%	2	659	0.941	
19	3	-17	0.86297	126.3924	4.37800e-03	0.0%	2	659	0.941
5	5	6	0.86256	126.4997	2.50024e-03	0.0%	2	86	0.943
5	-5	6	0.86256	126.4997	1.60718e-03	0.0%	2	86	0.943
17	1	6	0.86253	126.5086	2.49751e-03	0.0%	2	326	0.943
17	-1	6	0.86253	126.5086	2.22050e-03	0.0%	2	326	0.943
-4	2	18	0.86245	126.5301	3.89848e-03	0.0%	2	344	0.944
4	2	-18	0.86245	126.5301	3.91093e-03	0.0%	2	344	0.944
23	1	-1	0.86219	126.5988	3.02377e-03	0.0%	2	531	0.945
1	1	0.86219	126.5988	2.69904e-03	0.0%	2	531	0.945	
24	0	-2	0.86187	126.6830	1.82614e-03	0.0%	2	580	0.947

19	1	4	0.86170	126.7283	2.18197e-03	0.0%	2	378	0.948
19	-1	4	0.86170	126.7283	1.79650e-03	0.0%	2	378	0.948
11	1	11	0.86163	126.7458	2.90141e-03	0.0%	2	243	0.948
11	-1	11	0.86163	126.7458	3.13917e-03	0.0%	2	243	0.948
15	3	5	0.86142	126.8027	3.72137e-03	0.0%	2	259	0.949
15	-3	5	0.86142	126.8027	3.27019e-03	0.0%	2	259	0.949
14	0	9	0.86137	126.8153	5.51363e-03	0.0%	2	277	0.949
10	0	12	0.86122	126.8547	9.99933e-04	0.0%	2	244	0.950
23	3	-13	0.86042	127.0697	3.64868e-03	0.0%	2	707	0.954
3	13	0.86042	127.0697	3.16534e-03	0.0%	2	707	0.954	
22	2	-1	0.86009	127.1566	1.36518e-03	0.0%	2	489	0.956
2	1	0.86009	127.1566	1.21799e-03	0.0%	2	489	0.956	
23	3	-7	0.86007	127.1620	1.87303e-03	0.0%	2	587	0.956
3	7	0.86007	127.1620	1.79555e-03	0.0%	2	587	0.956	
24	0	-19	0.85980	127.2347	5.49138e-03	0.0%	2	937	0.958
-3	5	10	0.85962	127.2823	3.30732e-03	0.0%	2	134	0.959
3	5	-10	0.85962	127.2823	4.13277e-03	0.0%	2	134	0.959
17	3	3	0.85929	127.3727	2.81956e-03	0.0%	2	307	0.961
17	-3	3	0.85929	127.3727	2.80936e-03	0.0%	2	307	0.961
9	3	10	0.85923	127.3879	2.65431e-03	0.0%	2	190	0.961
9	-3	10	0.85923	127.3879	2.92155e-03	0.0%	2	190	0.961
18	2	4	0.85898	127.4548	1.61006e-03	0.0%	2	344	0.962
18	-2	4	0.85898	127.4548	2.36241e-03	0.0%	2	344	0.962
16	2	6	0.85889	127.4795	5.51557e-03	0.0%	2	296	0.963
16	-2	6	0.85889	127.4795	5.40251e-03	0.0%	2	296	0.963
14	4	3	0.85813	127.6867	1.53633e-03	0.0%	2	221	0.967
14	-4	3	0.85813	127.6867	9.06180e-04	0.0%	2	221	0.967
22	0	1	0.85807	127.7017	1.43645e-03	0.0%	2	485	0.967
13	5	-9	0.85783	127.7695	4.14356e-03	0.0%	2	275	0.969
5	9	0.85783	127.7695	3.54997e-03	0.0%	2	275	0.969	
21	3	-16	0.85779	127.7800	4.76731e-03	0.0%	2	706	0.969
3	16	0.85779	127.7800	5.06874e-03	0.0%	2	706	0.969	
12	4	5	0.85751	127.8553	2.44041e-03	0.0%	2	185	0.971
12	-4	5	0.85751	127.8553	2.64217e-03	0.0%	2	185	0.971
9	5	3	0.85698	128.0012	5.75073e-03	0.0%	2	115	0.974
9	-5	3	0.85698	128.0012	5.34957e-03	0.0%	2	115	0.974
20	4	-9	0.85662	128.0996	4.19452e-03	0.0%	2	497	0.976
4	9	0.85662	128.0996	4.42416e-03	0.0%	2	497	0.976	
20	4	-8	0.85603	128.2610	3.37203e-03	0.0%	2	480	0.979
4	8	0.85603	128.2610	2.83714e-03	0.0%	2	480	0.979	

3	1	16	0.85594	128.2862	1.62122e-03	0.0%	2	266	0.980
3	-1	16	0.85594	128.2862	1.27707e-03	0.0%	2	266	0.980
13	3	7	0.85547	128.4161	1.77645e-03	0.0%	2	227	0.982
13	-3	7	0.85547	128.4161	1.15022e-03	0.0%	2	227	0.982
-5	3	17	0.85528	128.4699	4.49823e-03	0.0%	2	323	0.984
5	3	-17	0.85528	128.4699	4.66186e-03	0.0%	2	323	0.984
15	1	8	0.85528	128.4703	1.82691e-03	0.0%	2	290	0.984
15	-1	8	0.85528	128.4703	1.55632e-03	0.0%	2	290	0.984
13	5	-2	0.85468	128.6364	4.54925e-03	0.0%	2	198	0.987
5	2	0.85468	128.6364	5.44931e-03	0.0%	2	198	0.987	
25	1	-4	0.85449	128.6884	1.07501e-03	0.0%	2	642	0.988
1	4	0.85449	128.6884	9.18801e-04	0.0%	2	642	0.988	
20	4	-10	0.85447	128.6956	4.45216e-03	0.0%	2	516	0.988
4	10	0.85447	128.6956	5.45368e-03	0.0%	2	516	0.988	
1	1	17	0.85433	128.7350	5.52127e-03	0.0%	2	291	0.989
1	-1	17	0.85433	128.7350	4.97129e-03	0.0%	2	291	0.989
11	5	1	0.85412	128.7916	2.97608e-03	0.0%	2	147	0.991
11	-5	1	0.85412	128.7916	4.10099e-03	0.0%	2	147	0.991
10	2	11	0.85410	128.7983	2.37707e-03	0.0%	2	225	0.991
10	-2	11	0.85410	128.7983	2.36258e-03	0.0%	2	225	0.991
-7	5	11	0.85403	128.8186	2.84887e-03	0.0%	2	195	0.991
7	5	-11	0.85403	128.8186	2.53804e-03	0.0%	2	195	0.991
-9	5	11	0.85396	128.8384	1.73396e-03	0.0%	2	227	0.992
9	5	-11	0.85396	128.8384	1.77257e-03	0.0%	2	227	0.992
3	18	0.85390	128.8539	8.05017e-03	0.0%	2	622	0.992	
17	3	-18	0.85390	128.8539	8.36086e-03	0.0%	2	622	0.992
-9	3	18	0.85318	129.0578	4.98173e-03	0.0%	2	414	0.996
9	3	-18	0.85318	129.0578	5.14572e-03	0.0%	2	414	0.996
5	1	15	0.85303	129.0996	3.38508e-03	0.0%	2	251	0.997
5	-1	15	0.85303	129.0996	3.46152e-03	0.0%	2	251	0.997
21	1	2	0.85285	129.1493	2.56617e-03	0.0%	2	446	0.998
21	-1	2	0.85285	129.1493	2.60979e-03	0.0%	2	446	0.998
18	4	-2	0.85277	129.1734	2.00853e-03	0.0%	2	344	0.999
4	2	0.85277	129.1734	1.36079e-03	0.0%	2	344	0.999	
20	4	-7	0.85273	129.1850	1.92637e-03	0.0%	2	465	0.999
4	7	0.85273	129.1850	1.92613e-03	0.0%	2	465	0.999	
2	4	12	0.85268	129.1974	3.60488e-03	0.0%	2	164	1.000
2	-4	12	0.85268	129.1974	3.53326e-03	0.0%	2	164	1.000
24	2	-4	0.85217	129.3434	1.42017e-03	0.0%	2	596	1.003
2	4	0.85217	129.3434	1.44321e-03	0.0%	2	596	1.003	

21	3	-2	0.85208	129.3681	3.54804e-03	0.0%	2	454	1.003
3	2	0.85208	129.3681	3.85559e-03	0.0%	2	454	1.003	
7	5	5	0.85187	129.4282	4.99189e-03	0.0%	2	99	1.005
7	-5	5	0.85187	129.4282	4.66212e-03	0.0%	2	99	1.005
-6	4	15	0.85148	129.5381	5.16298e-03	0.0%	2	277	1.007
6	4	-15	0.85148	129.5381	6.07941e-03	0.0%	2	277	1.007
20	2	2	0.85111	129.6455	5.42755e-03	0.0%	2	408	1.010
20	-2	2	0.85111	129.6455	5.87202e-03	0.0%	2	408	1.010
23	3	-14	0.85090	129.7066	5.82034e-03	0.0%	2	734	1.011
3	14	0.85090	129.7066	6.88330e-03	0.0%	2	734	1.011	
14	2	8	0.85084	129.7221	2.05928e-03	0.0%	2	264	1.011
14	-2	8	0.85084	129.7221	2.13176e-03	0.0%	2	264	1.011
16	4	1	0.85079	129.7366	2.89770e-03	0.0%	2	273	1.012
16	-4	1	0.85079	129.7366	1.64436e-03	0.0%	2	273	1.012
24	2	-17	0.85064	129.7807	9.19565e-03	0.1%	2	869	1.013
2	17	0.85064	129.7807	9.57372e-03	0.1%	2	869	1.013	
4	4	11	0.85048	129.8270	3.07029e-03	0.0%	2	153	1.014
4	-4	11	0.85048	129.8270	4.01705e-03	0.0%	2	153	1.014
23	3	-6	0.85045	129.8343	3.74975e-03	0.0%	2	574	1.014
3	6	0.85045	129.8343	4.08948e-03	0.0%	2	574	1.014	
0	4	13	0.85041	129.8460	3.74550e-03	0.0%	2	185	1.014
0	4	-13	0.85041	129.8460	2.68505e-03	0.0%	2	185	1.014
25	1	-18	0.85040	129.8482	7.82968e-03	0.0%	2	950	1.014
1	18	0.85040	129.8482	7.54266e-03	0.0%	2	950	1.014	
20	4	-11	0.84964	130.0685	4.74716e-03	0.0%	2	537	1.019
4	11	0.84964	130.0685	4.79122e-03	0.0%	2	537	1.019	
4	15	0.84954	130.0973	3.39486e-03	0.0%	2	497	1.020	
16	4	-15	0.84954	130.0973	2.84021e-03	0.0%	2	497	1.020
19	3	1	0.84926	130.1789	4.15707e-03	0.0%	2	371	1.022
19	-3	1	0.84926	130.1789	4.20083e-03	0.0%	2	371	1.022
10	4	7	0.84899	130.2587	2.12363e-03	0.0%	2	165	1.024
10	-4	7	0.84899	130.2587	2.72040e-03	0.0%	2	165	1.024
-1	1	18	0.84826	130.4705	3.30463e-03	0.0%	2	326	1.029
1	1	-18	0.84826	130.4705	3.61483e-03	0.0%	2	326	1.029
4	14	0.84769	130.6392	5.18384e-03	0.0%	2	536	1.033	
18	4	-14	0.84769	130.6392	5.09541e-03	0.0%	2	536	1.033
-5	5	11	0.84763	130.6545	4.88598e-03	0.0%	2	171	1.033
5	5	-11	0.84763	130.6545	5.03555e-03	0.0%	2	171	1.033
13	5	-10	0.84744	130.7119	2.85038e-03	0.0%	2	294	1.034

5	10	0.84744	130.7119	2.69696e-03	0.0%	2	294	1.034	
5	11	0.84743	130.7155	5.84858e-03	0.0%	2	267	1.035	
11	5	-11	0.84743	130.7155	6.32675e-03	0.0%	2	267	1.035
20	4	-6	0.84679	130.9026	3.11355e-03	0.0%	2	452	1.039
4	6	0.84679	130.9026	2.27742e-03	0.0%	2	452	1.039	
1	5	9	0.84584	131.1854	4.92337e-03	0.0%	2	107	1.046
1	-5	9	0.84584	131.1854	4.28515e-03	0.0%	2	107	1.046
7	1	14	0.84572	131.2207	5.21307e-03	0.0%	2	246	1.047
7	-1	14	0.84572	131.2207	5.77210e-03	0.0%	2	246	1.047
-6	2	19	0.84556	131.2698	5.32397e-03	0.0%	2	401	1.048
6	2	-19	0.84556	131.2698	5.61417e-03	0.0%	2	401	1.048
3	5	8	0.84469	131.5320	3.57920e-03	0.0%	2	98	1.054
3	-5	8	0.84469	131.5320	2.63121e-03	0.0%	2	98	1.054
3	3	14	0.84448	131.5934	3.79653e-03	0.0%	2	214	1.056
3	-3	14	0.84448	131.5934	4.60288e-03	0.0%	2	214	1.056
2	0	17	0.84443	131.6094	3.64322e-03	0.0%	2	293	1.056
4	0	16	0.84397	131.7482	5.49040e-04	0.0%	2	272	1.060
6	4	10	0.84390	131.7713	5.63318e-03	0.0%	2	152	1.060
6	-4	10	0.84390	131.7713	6.86757e-03	0.0%	2	152	1.060
-2	4	14	0.84377	131.8104	4.20055e-03	0.0%	2	216	1.061
2	4	-14	0.84377	131.8104	3.25639e-03	0.0%	2	216	1.061
1	3	15	0.84361	131.8591	4.01159e-03	0.0%	2	235	1.063
1	-3	15	0.84361	131.8591	4.25711e-03	0.0%	2	235	1.063
13	5	-1	0.84354	131.8777	1.29156e-03	0.0%	2	195	1.063
5	1	0.84354	131.8777	1.80796e-03	0.0%	2	195	1.063	
-1	5	10	0.84263	132.1572	1.94429e-03	0.0%	2	126	1.070
1	5	-10	0.84263	132.1572	2.15352e-03	0.0%	2	126	1.070
12	0	11	0.84248	132.2036	1.34456e-03	0.0%	2	265	1.071
20	4	-12	0.84227	132.2672	3.55572e-03	0.0%	2	560	1.073
4	12	0.84227	132.2672	4.73600e-03	0.0%	2	560	1.073	
4	16	0.84221	132.2873	4.53928e-03	0.0%	2	416	1.074	
12	4	-16	0.84221	132.2873	4.04897e-03	0.0%	2	416	1.074
11	3	9	0.84194	132.3702	2.57642e-03	0.0%	2	211	1.076
11	-3	9	0.84194	132.3702	2.62406e-03	0.0%	2	211	1.076
2	2	16	0.84163	132.4650	5.37101e-03	0.0%	2	264	1.078
2	-2	16	0.84163	132.4650	5.70339e-03	0.0%	2	264	1.078
15	5	-7	0.84162	132.4680	3.87225e-03	0.0%	2	299	1.078
5	7	0.84162	132.4680	3.92526e-03	0.0%	2	299	1.078	
15	5	-6	0.84153	132.4964	3.16414e-03	0.0%	2	286	1.079
5	6	0.84	132.4964	3.92229e-03	0.0%	2	286	1.079	

		153							
5	3	13	0.84102	132.6555	4.14306e-03	0.0%	2	203	1.083
5	-3	13	0.84102	132.6555	4.62354e-03	0.0%	2	203	1.083
4	2	15	0.84084	132.7096	4.54155e-03	0.0%	2	245	1.085
4	-2	15	0.84084	132.7096	4.32484e-03	0.0%	2	245	1.085
0	0	18	0.84055	132.8006	6.46794e-03	0.0%	2	324	1.087
13	1	10	0.84053	132.8059	2.17519e-03	0.0%	2	270	1.087
13	-1	10	0.84053	132.8059	2.29426e-03	0.0%	2	270	1.087
4	16	0.84032	132.8736	2.63301e-03	0.0%	2	372	1.089	
10	4	-16	0.84032	132.8736	2.23883e-03	0.0%	2	372	1.089
2	19	0.84005	132.9564	5.10806e-03	0.0%	2	849	1.091	
22	2	-19	0.84005	132.9564	5.26896e-03	0.0%	2	849	1.091
18	0	6	0.83961	133.0962	2.92688e-04	0.0%	2	360	1.095
5	5	7	0.83922	133.2189	3.00043e-03	0.0%	2	99	1.098
5	-5	7	0.83922	133.2189	2.67628e-03	0.0%	2	99	1.098
6	0	15	0.83919	133.2259	4.06680e-03	0.0%	2	261	1.098
15	5	-8	0.83912	133.2498	3.37259e-03	0.0%	2	314	1.099
5	8	0.83912	133.2498	3.12202e-03	0.0%	2	314	1.099	
23	3	-15	0.83909	133.2587	3.78847e-03	0.0%	2	763	1.099
3	15	0.83909	133.2587	3.80115e-03	0.0%	2	763	1.099	
15	5	-5	0.83885	133.3360	7.55410e-03	0.0%	2	275	1.101
5	5	0.83885	133.3360	7.82279e-03	0.0%	2	275	1.101	
23	3	-5	0.83856	133.4274	2.92066e-03	0.0%	2	563	1.104
3	5	0.83856	133.4274	3.00008e-03	0.0%	2	563	1.104	
-1	3	16	0.83842	133.4698	4.52932e-03	0.0%	2	266	1.105
1	3	-16	0.83842	133.4698	3.96620e-03	0.0%	2	266	1.105
20	4	-5	0.83840	133.4792	2.43791e-03	0.0%	2	441	1.105
4	5	0.83840	133.4792	1.64386e-03	0.0%	2	441	1.105	
3	17	0.83821	133.5381	6.31811e-03	0.0%	2	739	1.107	
21	3	-17	0.83821	133.5381	6.89892e-03	0.0%	2	739	1.107
3	18	0.83819	133.5445	6.00235e-03	0.0%	2	694	1.107	
19	3	-18	0.83819	133.5445	6.02418e-03	0.0%	2	694	1.107
0	2	17	0.83812	133.5673	4.64628e-03	0.0%	2	293	1.108
0	2	-17	0.83812	133.5673	4.86474e-03	0.0%	2	293	1.108
-3	1	19	0.83802	133.5987	5.39664e-03	0.0%	2	371	1.108
3	1	-19	0.83802	133.5987	6.15644e-03	0.0%	2	371	1.108
20	0	4	0.83799	133.6083	6.99886e-04	0.0%	2	416	1.109
4	16	0.83787	133.6479	7.81903e-03	0.0%	2	468	1.110	

14	4	-16	0.83787	133.6479	7.91656e-03	0.0%	2	468	1.110
24	0	-1	0.83786	133.6489	1.50186e-03	0.0%	2	577	1.110
11	5	2	0.83749	133.7667	7.37849e-03	0.0%	2	150	1.113
11	-5	2	0.83749	133.7667	8.79970e-03	0.1%	2	150	1.113
9	5	4	0.83727	133.8373	3.64046e-03	0.0%	2	122	1.115
9	-5	4	0.83727	133.8373	4.85923e-03	0.0%	2	122	1.115
-7	3	18	0.83716	133.8734	8.97020e-03	0.1%	2	382	1.116
7	3	-18	0.83716	133.8734	9.53259e-03	0.1%	2	382	1.116
23	1	0	0.83671	134.0199	4.24931e-03	0.0%	4	530	1.120
18	4	-1	0.83609	134.2203	8.00154e-04	0.0%	2	341	1.126
4	1	0.83609	134.2203	2.61145e-04	0.0%	2	341	1.126	
22	2	0	0.83590	134.2811	7.12153e-03	0.0%	4	488	1.127
6	2	14	0.83579	134.3176	3.07588e-03	0.0%	2	236	1.128
6	-2	14	0.83579	134.3176	2.76380e-03	0.0%	2	236	1.128
12	2	10	0.83548	134.4185	4.68807e-03	0.0%	2	248	1.131
12	-2	10	0.83548	134.4185	4.21856e-03	0.0%	2	248	1.131
-3	5	11	0.83520	134.5109	5.69476e-03	0.0%	2	155	1.134
3	5	-11	0.83520	134.5109	6.79943e-03	0.0%	2	155	1.134
25	1	-3	0.83503	134.5649	1.92036e-03	0.0%	2	635	1.135
1	3	0.83503	134.5649	1.85192e-03	0.0%	2	635	1.135	
5	11	0.83487	134.6192	4.03093e-03	0.0%	2	315	1.137	
13	5	-11	0.83487	134.6192	4.24829e-03	0.0%	2	315	1.137
9	1	13	0.83436	134.7860	4.51158e-03	0.0%	2	251	1.142
9	-1	13	0.83436	134.7860	4.74184e-03	0.0%	2	251	1.142
15	5	-9	0.83409	134.8739	2.83568e-03	0.0%	2	331	1.144
5	9	0.83409	134.8739	2.35097e-03	0.0%	2	331	1.144	
-9	5	12	0.83406	134.8858	8.40382e-03	0.1%	2	250	1.145
9	5	-12	0.83406	134.8858	8.48975e-03	0.1%	2	250	1.145
24	2	-3	0.83396	134.9171	3.50275e-03	0.0%	2	589	1.146
2	3	0.83396	134.9171	3.59858e-03	0.0%	2	589	1.146	
16	0	8	0.83375	134.9889	2.44610e-04	0.0%	2	320	1.148
15	5	-4	0.83365	135.0217	1.76951e-03	0.0%	2	266	1.149
5	4	0.83365	135.0217	2.46537e-03	0.0%	2	266	1.149	
7	3	12	0.83336	135.1167	2.95716e-03	0.0%	2	202	1.151
7	-3	12	0.83336	135.1167	3.03696e-03	0.0%	2	202	1.151
8	4	9	0.83324	135.1580	6.86550e-03	0.0%	2	161	1.153
8	-4	9	0.83324	135.1580	7.44068e-03	0.0%	2	161	1.153
-4	4	15	0.83305	135.2202	5.41334e-03	0.0%	2	257	1.155
4	4	-15	0.83305	135.2202	5.59359e-03	0.0%	2	257	1.155
14	4	4	0.83280	135.3050	4.58822e-03	0.0%	2	228	1.157
14	-4	4	0.83280	135.3050	3.03056e-03	0.0%	2	228	1.157

20	4	-13	0.83256	135.3850	1.11299e-02	0.1%	2	585	1.159
4	13	0.83256	135.3850	1.14041e-02	0.1%	2	585	1.159	
3	19	0.83253	135.3957	8.12172e-03	0.0%	2	539	1.160	
13	3	-19	0.83253	135.3957	7.55915e-03	0.0%	2	539	1.160
2	0	-19	0.83251	135.4026	6.89361e-03	0.0%	2	365	1.160
-8	4	16	0.83232	135.4653	4.47055e-03	0.0%	2	336	1.162
8	4	-16	0.83232	135.4653	5.23650e-03	0.0%	2	336	1.162
24	2	-18	0.83231	135.4692	5.94037e-03	0.0%	2	904	1.162
2	18	0.83231	135.4692	6.51833e-03	0.0%	2	904	1.162	
21	3	-1	0.83213	135.5286	2.90332e-03	0.0%	2	451	1.164
3	1	0.83213	135.5286	3.75199e-03	0.0%	2	451	1.164	
-7	5	12	0.83192	135.5990	5.47383e-03	0.0%	2	218	1.166
7	5	-12	0.83192	135.5990	4.88464e-03	0.0%	2	218	1.166
3	19	0.83186	135.6189	8.85735e-03	0.1%	2	595	1.166	
15	3	-19	0.83186	135.6189	9.12453e-03	0.1%	2	595	1.166
25	1	-19	0.83067	136.0238	3.62325e-03	0.0%	2	987	1.179
1	19	0.83067	136.0238	3.58541e-03	0.0%	2	987	1.179	
17	3	4	0.83057	136.0599	2.71019e-03	0.0%	2	314	1.180
17	-3	4	0.83057	136.0599	3.10912e-03	0.0%	2	314	1.180
4	15	0.83051	136.0804	1.81204e-03	0.0%	2	565	1.180	
18	4	-15	0.83051	136.0804	1.47746e-03	0.0%	2	565	1.180
-2	2	18	0.83047	136.0943	6.10276e-03	0.0%	2	332	1.181
2	2	-18	0.83047	136.0943	5.93364e-03	0.0%	2	332	1.181
0	6	0	0.83043	136.1053	3.06599e-03	0.0%	2	36	1.181
13	5	0	0.83032	136.1434	1.27632e-02	0.1%	4	194	1.182
8	0	14	0.83032	136.1457	4.69300e-03	0.0%	2	260	1.182
5	12	0.83014	136.2066	5.47912e-03	0.0%	2	290	1.184	
11	5	-12	0.83014	136.2066	5.58132e-03	0.0%	2	290	1.184
7	5	6	0.82968	136.3647	4.77621e-03	0.0%	2	110	1.189
7	-5	6	0.82968	136.3647	5.65113e-03	0.0%	2	110	1.189
15	3	6	0.82966	136.3716	4.96520e-04	0.0%	2	270	1.190
15	-3	6	0.82966	136.3716	5.99652e-04	0.0%	2	270	1.190
12	4	6	0.82940	136.4596	1.77859e-03	0.0%	2	196	1.192
12	-4	6	0.82940	136.4596	1.52958e-03	0.0%	2	196	1.192
0	6	1	0.82919	136.5354	8.38641e-03	0.1%	2	37	1.195
0	6	-1	0.82919	136.5354	8.32160e-03	0.0%	2	37	1.195
-3	3	17	0.82917	136.5398	5.07024e-03	0.0%	2	307	1.195
3	3	-17	0.82917	136.5398	5.04687e-03	0.0%	2	307	1.195
22	0	2	0.82902	136.5911	2.60775e-03	0.0%	2	488	1.196

16	4	2	0.82888	136.6419	2.29372e-03	0.0%	2	276	1.198
16	-4	2	0.82888	136.6419	1.60514e-03	0.0%	2	276	1.198
2	6	-1	0.82836	136.8211	5.88179e-03	0.0%	2	41	1.204
-2	6	1	0.82836	136.8211	5.79856e-03	0.0%	2	41	1.204
19	1	5	0.82806	136.9275	2.01129e-03	0.0%	2	387	1.207
19	-1	5	0.82806	136.9275	1.76520e-03	0.0%	2	387	1.207
20	4	-4	0.82775	137.0352	2.28970e-03	0.0%	2	432	1.211
4	4	0.82775	137.0352	1.56815e-03	0.0%	2	432	1.211	
4	16	0.82758	137.0971	1.24234e-02	0.1%	2	528	1.213	
16	4	-16	0.82758	137.0971	1.27116e-02	0.1%	2	528	1.213
2	6	0	0.82744	137.1444	3.88690e-03	0.0%	4	40	1.214
3	19	0.82719	137.2357	7.01115e-03	0.0%	2	491	1.217	
11	3	-19	0.82719	137.2357	6.22082e-03	0.0%	2	491	1.217
-2	6	2	0.82681	137.3696	4.64732e-03	0.0%	2	44	1.221
2	6	-2	0.82681	137.3696	4.45196e-03	0.0%	2	44	1.221
18	2	5	0.82672	137.3991	5.53428e-03	0.0%	2	353	1.222
18	-2	5	0.82672	137.3991	5.12983e-03	0.0%	2	353	1.222
8	2	13	0.82670	137.4084	2.26488e-03	0.0%	2	237	1.223
8	-2	13	0.82670	137.4084	2.57241e-03	0.0%	2	237	1.223
15	5	-10	0.82668	137.4159	2.50401e-03	0.0%	2	350	1.223
5	10	0.82668	137.4159	1.99003e-03	0.0%	2	350	1.223	
15	5	-3	0.82607	137.6327	7.81666e-03	0.0%	2	259	1.230
5	3	0.82607	137.6327	1.00149e-02	0.1%	2	259	1.230	
17	1	7	0.82601	137.6558	2.39782e-03	0.0%	2	339	1.231
17	-1	7	0.82601	137.6558	2.40497e-03	0.0%	2	339	1.231
0	6	2	0.82547	137.8465	3.31859e-03	0.0%	2	40	1.237
0	6	-2	0.82547	137.8465	3.30797e-03	0.0%	2	40	1.237
23	3	-16	0.82530	137.9104	7.51375e-03	0.0%	2	794	1.239
3	16	0.82530	137.9104	8.04644e-03	0.0%	2	794	1.239	
3	19	0.82524	137.9313	9.19203e-03	0.1%	2	659	1.240	
17	3	-19	0.82524	137.9313	8.68635e-03	0.1%	2	659	1.240
23	3	-4	0.82469	138.1306	2.02441e-03	0.0%	2	554	1.247
3	4	0.82469	138.1306	2.16804e-03	0.0%	2	554	1.247	
19	3	2	0.82425	138.2919	1.43929e-03	0.0%	2	374	1.252
19	-3	2	0.82425	138.2919	1.67093e-03	0.0%	2	374	1.252
2	6	1	0.82407	138.3559	5.26399e-03	0.0%	2	41	1.255
2	-6	1	0.82407	138.3559	5.46901e-03	0.0%	2	41	1.255
16	2	7	0.82387	138.4286	2.22571e-03	0.0%	2	309	1.257
16	-2	7	0.82387	138.4286	2.10733e-03	0.0%	2	309	1.257

-5	5	12	0.82387	138.4289	3.75605e-03	0.0%	2	194	1.257
5	5	-12	0.82387	138.4289	4.23957e-03	0.0%	2	194	1.257
21	1	3	0.82294	138.7736	2.21347e-03	0.0%	2	451	1.269
21	-1	3	0.82294	138.7736	2.02257e-03	0.0%	2	451	1.269
-2	6	3	0.82282	138.8180	1.60936e-03	0.0%	2	49	1.271
2	6	-3	0.82282	138.8180	1.66522e-03	0.0%	2	49	1.271
20	2	3	0.82243	138.9631	1.14370e-03	0.0%	2	413	1.276
20	-2	3	0.82243	138.9631	8.40527e-04	0.0%	2	413	1.276
4	6	-2	0.82225	139.0284	7.46304e-03	0.0%	2	56	1.278
-4	6	2	0.82225	139.0284	7.61882e-03	0.0%	2	56	1.278
9	3	11	0.82186	139.1752	3.15243e-03	0.0%	2	211	1.283
9	-3	11	0.82186	139.1752	3.28791e-03	0.0%	2	211	1.283
4	6	-1	0.82166	139.2487	5.02070e-03	0.0%	2	53	1.286
-4	6	1	0.82166	139.2487	5.23341e-03	0.0%	2	53	1.286
13	3	8	0.82159	139.2739	1.94014e-03	0.0%	2	242	1.287
13	-3	8	0.82159	139.2739	1.57219e-03	0.0%	2	242	1.287
14	0	10	0.82087	139.5486	1.20603e-03	0.0%	2	296	1.297
25	3	-11	0.82079	139.5779	6.08297e-03	0.0%	2	755	1.298
3	11	0.82079	139.5779	5.54021e-03	0.0%	2	755	1.298	
20	4	-14	0.82075	139.5933	5.74646e-03	0.0%	2	612	1.299
4	14	0.82075	139.5933	6.92190e-03	0.0%	2	612	1.299	
1	5	10	0.82074	139.5967	2.10563e-03	0.0%	2	126	1.299
1	-5	10	0.82074	139.5967	1.80070e-03	0.0%	2	126	1.299
4	6	-3	0.82042	139.7192	1.45123e-03	0.0%	2	61	1.303
-4	6	3	0.82042	139.7192	1.49057e-03	0.0%	2	61	1.303
5	12	0.82041	139.7200	6.04697e-03	0.0%	2	338	1.303	
13	5	-12	0.82041	139.7200	6.34375e-03	0.0%	2	338	1.303
3	5	9	0.81999	139.8810	1.31916e-03	0.0%	2	115	1.309
3	-5	9	0.81999	139.8810	8.03374e-04	0.0%	2	115	1.309
25	3	-10	0.81984	139.9384	2.22401e-03	0.0%	2	734	1.311
3	10	0.81984	139.9384	2.65899e-03	0.0%	2	734	1.311	
11	1	12	0.81942	140.1004	4.19715e-03	0.0%	2	266	1.317
11	-1	12	0.81942	140.1004	4.15515e-03	0.0%	2	266	1.317
0	6	3	0.81940	140.1091	3.42764e-03	0.0%	2	45	1.318
0	6	-3	0.81940	140.1091	3.20919e-03	0.0%	2	45	1.318
11	5	3	0.81939	140.1142	1.43245e-03	0.0%	2	155	1.318
11	-5	3	0.81939	140.1142	2.73584e-03	0.0%	2	155	1.318
25	3	-12	0.81932	140.1381	1.90963e-03	0.0%	2	778	1.319
3	12	0.81932	140.1381	2.13708e-03	0.0%	2	778	1.319	
-4	2	19	0.81901	140.2612	7.32456e-03	0.0%	2	381	1.323
4	2	-19	0.81901	140.2612	7.19148e-03	0.0%	2	381	1.323
10	4	8	0.81896	140.2785	4.27212e-03	0.0%	2	180	1.324

10	-4	8	0.81896	140.2785	3.73016e-03	0.0%	2	180	1.324
-6	4	16	0.81873	140.3699	5.09823e-03	0.0%	2	308	1.328
6	4	-16	0.81873	140.3699	7.17458e-03	0.0%	2	308	1.328
4	6	0	0.81867	140.3929	8.27017e-03	0.0%	4	52	1.328
2	4	13	0.81862	140.4091	3.27224e-03	0.0%	2	189	1.329
2	-4	13	0.81862	140.4091	3.65085e-03	0.0%	2	189	1.329
2	6	2	0.81833	140.5222	7.21730e-03	0.0%	2	44	1.333
2	-6	2	0.81833	140.5222	7.34817e-03	0.0%	2	44	1.333
18	4	0	0.81795	140.6725	5.35127e-03	0.0%	4	340	1.339
10	0	13	0.81772	140.7635	4.87203e-03	0.0%	2	269	1.343
3	18	0.81752	140.8420	3.61269e-03	0.0%	2	774	1.346	
21	3	-18	0.81752	140.8420	3.24316e-03	0.0%	2	774	1.346
-1	5	11	0.81750	140.8507	4.86354e-03	0.0%	2	147	1.346
1	5	-11	0.81750	140.8507	4.95497e-03	0.0%	2	147	1.346
15	5	-11	0.81706	141.0220	4.08005e-03	0.0%	2	371	1.353
5	11	0.81706	141.0220	3.87005e-03	0.0%	2	371	1.353	
4	4	12	0.81698	141.0558	4.65906e-03	0.0%	2	176	1.354
4	-4	12	0.81698	141.0558	6.98761e-03	0.0%	2	176	1.354
15	1	9	0.81693	141.0758	1.24858e-03	0.0%	2	307	1.355
15	-1	9	0.81693	141.0758	1.17694e-03	0.0%	2	307	1.355
25	3	-9	0.81651	141.2408	3.06821e-03	0.0%	2	715	1.361
3	9	0.81651	141.2408	2.67359e-03	0.0%	2	715	1.361	
-2	6	4	0.81649	141.2489	7.02866e-03	0.0%	2	56	1.362
2	6	-4	0.81649	141.2489	7.04660e-03	0.0%	2	56	1.362
9	5	5	0.81648	141.2528	2.85736e-03	0.0%	2	131	1.362
9	-5	5	0.81648	141.2528	3.62602e-03	0.0%	2	131	1.362
15	5	-2	0.81631	141.3223	4.36412e-03	0.0%	2	254	1.365
5	2	0.81631	141.3223	5.56316e-03	0.0%	2	254	1.365	
0	4	14	0.81631	141.3230	1.23925e-03	0.0%	2	212	1.365
0	4	-14	0.81631	141.3230	6.91036e-04	0.0%	2	212	1.365
-5	3	18	0.81625	141.3468	5.87863e-03	0.0%	2	358	1.366
5	3	-18	0.81625	141.3468	5.79721e-03	0.0%	2	358	1.366
-4	6	4	0.81621	141.3616	7.87240e-03	0.0%	2	68	1.366
4	6	-4	0.81621	141.3616	8.14026e-03	0.0%	2	68	1.366
-9	3	19	0.81618	141.3744	8.56316e-03	0.1%	2	451	1.367
9	3	-19	0.81618	141.3744	9.01361e-03	0.1%	2	451	1.367
25	3	-13	0.81549	141.6524	6.11523e-03	0.0%	2	803	1.378
3	13	0.81549	141.6524	5.91352e-03	0.0%	2	803	1.378	
13	5	1	0.81532	141.7185	2.57990e-03	0.0%	2	195	1.381
13	-5	1	0.81532	141.7185	3.54134e-03	0.0%	2	195	1.381
5	5	8	0.81529	141.7321	4.17761e-03	0.0%	2	114	1.381
5	-5	8	0.81529	141.7321	3.89550e-03	0.0%	2	114	1.381

20	4	-3	0.81513	141.7968	5.16599e-03	0.0%	2	425	1.384
4	3	0.81513	141.7968	3.82201e-03	0.0%	2	425	1.384	
24	2	-2	0.81451	142.0518	3.86073e-03	0.0%	2	584	1.394
2	2	0.81451	142.0518	3.81690e-03	0.0%	2	584	1.394	
25	1	-2	0.81447	142.0657	2.61048e-03	0.0%	2	630	1.395
1	2	0.81447	142.0657	2.73100e-03	0.0%	2	630	1.395	
4	17	0.81425	142.1578	7.04803e-03	0.0%	2	449	1.399	
12	4	-17	0.81425	142.1578	6.60329e-03	0.0%	2	449	1.399
14	2	9	0.81408	142.2245	3.83066e-03	0.0%	2	281	1.402
14	-2	9	0.81408	142.2245	3.70546e-03	0.0%	2	281	1.402
10	2	12	0.81396	142.2760	3.17002e-03	0.0%	2	248	1.404
10	-2	12	0.81396	142.2760	3.67898e-03	0.0%	2	248	1.404
24	0	0	0.81340	142.5095	2.95944e-03	0.0%	2	576	1.414
4	6	1	0.81334	142.5311	6.27959e-03	0.0%	2	53	1.415
4	-6	1	0.81334	142.5311	6.61707e-03	0.0%	2	53	1.415
-9	5	13	0.81313	142.6206	2.06001e-03	0.0%	2	275	1.418
9	5	-13	0.81313	142.6206	1.58428e-03	0.0%	2	275	1.418
3	19	0.81307	142.6448	8.49249e-03	0.1%	2	731	1.419	
19	3	-19	0.81307	142.6448	8.08227e-03	0.0%	2	731	1.419
2	19	0.81276	142.7746	3.43052e-03	0.0%	2	941	1.425	
24	2	-19	0.81276	142.7746	3.92392e-03	0.0%	2	941	1.425
22	4	-10	0.81273	142.7872	4.00233e-03	0.0%	2	600	1.426
4	10	0.81273	142.7872	4.22486e-03	0.0%	2	600	1.426	
22	4	-9	0.81253	142.8707	3.38032e-03	0.0%	2	581	1.429
4	9	0.81253	142.8707	2.40706e-03	0.0%	2	581	1.429	
4	17	0.81236	142.9439	1.27078e-02	0.1%	2	501	1.432	
14	4	-17	0.81236	142.9439	1.15273e-02	0.1%	2	501	1.432
6	6	-3	0.81235	142.9450	6.66143e-03	0.0%	2	81	1.432
-6	6	3	0.81235	142.9450	6.93569e-03	0.0%	2	81	1.432
6	6	-2	0.81209	143.0576	2.88004e-03	0.0%	2	76	1.437
-6	6	2	0.81209	143.0576	3.11717e-03	0.0%	2	76	1.437
4	16	0.81198	143.1016	1.12151e-02	0.1%	2	596	1.439	
18	4	-16	0.81198	143.1016	1.00550e-02	0.1%	2	596	1.439
5	13	0.81152	143.2970	8.22625e-03	0.0%	2	315	1.448	
11	5	-13	0.81152	143.2970	8.78840e-03	0.1%	2	315	1.448
6	4	11	0.81144	143.3322	2.82331e-03	0.0%	2	173	1.450
6	-4	11	0.81144	143.3322	4.06044e-03	0.0%	2	173	1.450

22	2	1	0.81130	143.3916	4.56683e-04	0.0%	2	489	1.452
22	-2	1	0.81130	143.3916	4.58298e-04	0.0%	2	489	1.452
21	3	0	0.81118	143.4433	7.50624e-03	0.0%	4	450	1.455
0	6	4	0.81112	143.4706	6.50221e-03	0.0%	2	52	1.456
0	6	-4	0.81112	143.4706	6.69331e-03	0.0%	2	52	1.456
23	1	1	0.81102	143.5114	1.00301e-03	0.0%	2	531	1.458
23	-1	1	0.81102	143.5114	1.11821e-03	0.0%	2	531	1.458
3	1	17	0.81097	143.5326	9.89100e-03	0.1%	2	299	1.459
3	-1	17	0.81097	143.5326	8.92016e-03	0.1%	2	299	1.459
25	3	-8	0.81088	143.5699	7.67418e-03	0.0%	2	698	1.460
3	8	0.81088	143.5699	8.43243e-03	0.1%	2	698	1.460	
22	4	-11	0.81059	143.6954	3.34698e-03	0.0%	2	621	1.466
4	11	0.81059	143.6954	2.82836e-03	0.0%	2	621	1.466	
4	17	0.81050	143.7332	6.54858e-03	0.0%	2	405	1.468	
10	4	-17	0.81050	143.7332	5.63122e-03	0.0%	2	405	1.468
-3	5	12	0.81040	143.7763	7.58802e-03	0.0%	2	178	1.470
3	5	-12	0.81040	143.7763	8.83612e-03	0.1%	2	178	1.470
2	6	3	0.81038	143.7866	2.25098e-03	0.0%	2	49	1.470
2	-6	3	0.81038	143.7866	2.58549e-03	0.0%	2	49	1.470
6	6	-4	0.81029	143.8273	3.87017e-03	0.0%	2	88	1.472
-6	6	4	0.81029	143.8273	3.97243e-03	0.0%	2	88	1.472
-2	4	15	0.81013	143.8967	7.70092e-03	0.0%	2	245	1.475
2	4	-15	0.81013	143.8967	6.07557e-03	0.0%	2	245	1.475
22	4	-8	0.81000	143.9519	2.51905e-03	0.0%	2	564	1.478
4	8	0.81000	143.9519	1.56606e-03	0.0%	2	564	1.478	
23	3	-17	0.80983	144.0246	7.03880e-03	0.0%	2	827	1.481
3	17	0.80983	144.0246	7.13632e-03	0.0%	2	827	1.481	
-4	6	5	0.80974	144.0654	2.18557e-03	0.0%	2	77	1.483
4	6	-5	0.80974	144.0654	2.14188e-03	0.0%	2	77	1.483
6	6	-1	0.80949	144.1732	7.86565e-03	0.0%	2	73	1.488
-6	6	1	0.80949	144.1732	8.14969e-03	0.0%	2	73	1.488
17	5	-7	0.80940	144.2151	4.27638e-03	0.0%	2	363	1.490
5	7	0.80940	144.2151	5.92430e-03	0.0%	2	363	1.490	
25	3	-14	0.80938	144.2229	3.67072e-03	0.0%	2	830	1.490
3	14	0.80938	144.2229	3.46751e-03	0.0%	2	830	1.490	
1	1	18	0.80930	144.2582	3.38668e-03	0.0%	2	326	1.492
1	-1	18	0.80930	144.2582	3.01645e-03	0.0%	2	326	1.492
17	5	-8	0.80918	144.3101	5.23426e-03	0.0%	2	378	1.494
5	8	0.80918	144.3101	5.76730e-03	0.0%	2	378	1.494	

23	3	-3	0.80916	144.3180	4.11251e-03	0.0%	2	547	1.495
3	3	0.80916	144.3180	5.69209e-03	0.0%	2	547	1.495	
-7	5	13	0.80913	144.3341	2.87724e-03	0.0%	2	243	1.495
7	5	-13	0.80913	144.3341	2.87248e-03	0.0%	2	243	1.495
5	1	16	0.80879	144.4829	3.43454e-03	0.0%	2	282	1.502
5	-1	16	0.80879	144.4829	3.39180e-03	0.0%	2	282	1.502
-2	6	5	0.80800	144.8344	3.77338e-03	0.0%	2	65	1.519
2	6	-5	0.80800	144.8344	3.44562e-03	0.0%	2	65	1.519
17	5	-6	0.80730	145.1465	7.97194e-03	0.0%	2	350	1.535
5	6	0.80730	145.1465	9.22915e-03	0.1%	2	350	1.535	
14	4	5	0.80728	145.1595	2.13128e-03	0.0%	2	237	1.535
14	-4	5	0.80728	145.1595	1.94695e-03	0.0%	2	237	1.535
20	4	-15	0.80712	145.2302	3.77936e-03	0.0%	2	641	1.539
4	15	0.80712	145.2302	3.65219e-03	0.0%	2	641	1.539	
11	3	10	0.80698	145.2943	3.47192e-03	0.0%	2	230	1.542
11	-3	10	0.80698	145.2943	2.86741e-03	0.0%	2	230	1.542
7	5	7	0.80683	145.3609	2.98511e-03	0.0%	2	123	1.545
7	-5	7	0.80683	145.3609	3.21783e-03	0.0%	2	123	1.545
17	5	-9	0.80666	145.4389	3.76748e-03	0.0%	2	395	1.549
5	9	0.80666	145.4389	4.00513e-03	0.0%	2	395	1.549	
16	4	3	0.80628	145.6150	2.69556e-03	0.0%	2	281	1.558
16	-4	3	0.80628	145.6150	1.33577e-03	0.0%	2	281	1.558
22	4	-12	0.80617	145.6629	4.81713e-03	0.0%	2	644	1.560
4	12	0.80617	145.6629	5.98002e-03	0.0%	2	644	1.560	
20	0	5	0.80596	145.7622	1.74249e-03	0.0%	2	425	1.565
-6	6	5	0.80594	145.7707	6.62478e-03	0.0%	2	97	1.566
6	6	-5	0.80594	145.7707	6.84340e-03	0.0%	2	97	1.566
4	6	2	0.80583	145.8225	4.24031e-03	0.0%	2	56	1.568
4	-6	2	0.80583	145.8225	5.09980e-03	0.0%	2	56	1.568
3	3	15	0.80574	145.8643	3.94688e-03	0.0%	2	243	1.571
3	-3	15	0.80574	145.8643	5.62895e-03	0.0%	2	243	1.571
5	12	0.80548	145.9816	3.40980e-03	0.0%	2	394	1.577	
15	5	-12	0.80548	145.9816	3.51848e-03	0.0%	2	394	1.577
22	4	-7	0.80520	146.1130	1.41617e-03	0.0%	2	549	1.583
4	7	0.80520	146.1130	1.06133e-03	0.0%	2	549	1.583	
4	17	0.80495	146.2321	8.82921e-03	0.1%	2	561	1.590	
16	4	-17	0.80495	146.2321	7.82507e-03	0.0%	2	561	1.590
18	0	7	0.80481	146.2956	2.71230e-03	0.0%	2	373	1.593
1	3	16	0.80468	146.3570	4.03540e-03	0.0%	2	266	1.596

1	-3	16	0.80468	146.3570	5.12656e-03	0.0%	2	266	1.596
6	6	0	0.80464	146.3778	1.04897e-02	0.1%	4	72	1.597
15	5	-1	0.80460	146.3950	1.91693e-03	0.0%	2	251	1.598
5	1	0.80460	146.3950	1.61535e-03	0.0%	2	251	1.598	
5	13	0.80441	146.4874	1.17643e-02	0.1%	2	363	1.603	
13	5	-13	0.80441	146.4874	1.03990e-02	0.1%	2	363	1.603
-1	1	19	0.80384	146.7545	3.70380e-03	0.0%	2	363	1.618
1	1	-19	0.80384	146.7545	4.01292e-03	0.0%	2	363	1.618
25	3	-7	0.80310	147.1134	2.76394e-03	0.0%	2	683	1.637
3	7	0.80310	147.1134	2.45019e-03	0.0%	2	683	1.637	
5	3	14	0.80301	147.1534	5.06179e-03	0.0%	2	230	1.639
5	-3	14	0.80301	147.1534	5.74086e-03	0.0%	2	230	1.639
17	5	-5	0.80296	147.1804	5.82032e-03	0.0%	2	339	1.641
5	5	0.80296	147.1804	6.62473e-03	0.0%	2	339	1.641	
7	1	15	0.80285	147.2352	4.83665e-03	0.0%	2	275	1.644
7	-1	15	0.80285	147.2352	5.67665e-03	0.0%	2	275	1.644
17	3	5	0.80228	147.5116	2.30053e-03	0.0%	2	323	1.659
17	-3	5	0.80228	147.5116	3.19634e-03	0.0%	2	323	1.659
8	4	10	0.80224	147.5302	6.61543e-03	0.0%	2	180	1.660
8	-4	10	0.80224	147.5302	5.84237e-03	0.0%	2	180	1.660
12	0	12	0.80191	147.6921	2.31799e-03	0.0%	2	288	1.670
17	5	-10	0.80190	147.6960	6.88733e-03	0.0%	2	414	1.670
5	10	0.80190	147.6960	6.38810e-03	0.0%	2	414	1.670	
12	4	7	0.80163	147.8302	2.36367e-03	0.0%	2	209	1.678
12	-4	7	0.80163	147.8302	1.18448e-03	0.0%	2	209	1.678
13	1	11	0.80150	147.8963	1.66616e-03	0.0%	2	291	1.681
13	-1	11	0.80150	147.8963	1.59865e-03	0.0%	2	291	1.681
-8	4	17	0.80136	147.9675	6.57612e-03	0.0%	2	369	1.686
8	4	-17	0.80136	147.9675	8.06513e-03	0.0%	2	369	1.686
-4	6	6	0.80116	148.0639	5.95737e-03	0.0%	2	88	1.691
4	6	-6	0.80116	148.0639	6.06927e-03	0.0%	2	88	1.691
25	3	-15	0.80115	148.0708	3.35104e-03	0.0%	2	859	1.692
3	15	0.80115	148.0708	3.83797e-03	0.0%	2	859	1.692	
0	6	5	0.80082	148.2337	4.52759e-03	0.0%	2	61	1.701
0	6	-5	0.80082	148.2337	4.85491e-03	0.0%	2	61	1.701
20	4	-2	0.80082	148.2376	3.17661e-03	0.0%	2	420	1.701
4	2	0.80082	148.2376	2.98889e-03	0.0%	2	420	1.701	
22	0	3	0.80049	148.4028	4.06071e-03	0.0%	2	493	1.711
2	6	4	0.80041	148.4451	7.13920e-03	0.0%	2	56	1.714
2	-6	4	0.80041	148.4451	7.45214e-03	0.0%	2	56	1.714

-4	4	16	0.80034	148.4780	7.36551e-03	0.0%	2	288	1.716
4	4	-16	0.80034	148.4780	8.07146e-03	0.0%	2	288	1.716
-7	3	19	0.80017	148.5658	8.65719e-03	0.1%	2	419	1.721
7	3	-19	0.80017	148.5658	9.38714e-03	0.1%	2	419	1.721
11	5	4	0.80016	148.5715	7.37045e-03	0.0%	2	162	1.721
11	-5	4	0.80016	148.5715	7.74238e-03	0.0%	2	162	1.721
2	0	18	0.79989	148.7049	8.13327e-03	0.0%	2	328	1.730
-1	3	17	0.79989	148.7057	4.62807e-03	0.0%	2	299	1.730
1	3	-17	0.79989	148.7057	4.49619e-03	0.0%	2	299	1.730
4	0	17	0.79979	148.7574	1.08796e-02	0.1%	2	305	1.733
-5	5	13	0.79976	148.7749	1.12259e-02	0.1%	2	219	1.734
5	5	-13	0.79976	148.7749	1.31570e-02	0.1%	2	219	1.734
2	2	17	0.79974	148.7849	4.90889e-03	0.0%	2	297	1.734
2	-2	17	0.79974	148.7849	5.21552e-03	0.0%	2	297	1.734
22	4	-13	0.79958	148.8653	8.70918e-03	0.1%	2	669	1.739
4	13	0.79958	148.8653	1.01119e-02	0.1%	2	669	1.739	
-6	6	6	0.79942	148.9493	4.00581e-03	0.0%	2	108	1.745
6	6	-6	0.79942	148.9493	4.04114e-03	0.0%	2	108	1.745
4	2	16	0.79935	148.9855	5.69032e-03	0.0%	2	276	1.747
4	-2	16	0.79935	148.9855	5.43211e-03	0.0%	2	276	1.747
8	6	-3	0.79911	149.1083	5.19537e-03	0.0%	2	109	1.754
-8	6	3	0.79911	149.1083	4.93991e-03	0.0%	2	109	1.754
19	3	3	0.79908	149.1239	4.20059e-03	0.0%	2	379	1.755
19	-3	3	0.79908	149.1239	5.30311e-03	0.0%	2	379	1.755
8	6	-4	0.79908	149.1252	4.21897e-03	0.0%	2	116	1.755
-8	6	4	0.79908	149.1252	4.21027e-03	0.0%	2	116	1.755
15	3	7	0.79893	149.2006	3.95100e-03	0.0%	2	283	1.760
15	-3	7	0.79893	149.2006	3.53787e-03	0.0%	2	283	1.760
13	5	2	0.79887	149.2318	2.69144e-03	0.0%	2	198	1.762
13	-5	2	0.79887	149.2318	4.28088e-03	0.0%	2	198	1.762
18	4	1	0.79871	149.3188	2.47683e-03	0.0%	2	341	1.768
18	-4	1	0.79871	149.3188	2.39846e-03	0.0%	2	341	1.768
22	4	-6	0.79826	149.5555	4.80075e-03	0.0%	2	536	1.783
4	6	0.79826	149.5555	3.67703e-03	0.0%	2	536	1.783	
12	2	11	0.79808	149.6491	2.43794e-03	0.0%	2	269	1.789
12	-2	11	0.79808	149.6491	2.45631e-03	0.0%	2	269	1.789
6	6	1	0.79764	149.8816	4.33563e-03	0.0%	2	73	1.804
6	-6	1	0.79764	149.8816	4.37822e-03	0.0%	2	73	1.804
-2	6	6	0.79754	149.9370	3.62247e-03	0.0%	2	76	1.808
2	6	-6	0.79754	149.9370	4.32293e-03	0.0%	2	76	1.808
16	0	9	0.79714	150.1528	7.84134e-03	0.0%	2	337	1.822
8	6	-2	0.79692	150.2681	3.77147e-03	0.0%	2	104	1.830
-8	6	2	0.79692	150.2681	3.73128e-03	0.0%	2	104	1.830
8	6	-5	0.79683	150.3204	4.54642e-03	0.0%	2	125	1.833

-8	6	5	0.79683	150.3204	4.54474e-03	0.0%	2	125	1.833
7	3	13	0.79663	150.4295	9.03021e-03	0.1%	2	227	1.841
7	-3	13	0.79663	150.4295	7.23089e-03	0.0%	2	227	1.841
17	5	-4	0.79646	150.5184	7.69893e-04	0.0%	2	330	1.847
5	4	0.79646	150.5184	9.55381e-04	0.0%	2	330	1.847	
0	2	18	0.79644	150.5317	4.61809e-03	0.0%	2	328	1.848
0	2	-18	0.79644	150.5317	4.49074e-03	0.0%	2	328	1.848
0	0	19	0.79631	150.6027	7.91041e-03	0.0%	2	361	1.852
4	6	3	0.79630	150.6084	5.51114e-03	0.0%	2	61	1.853
4	-6	3	0.79630	150.6084	5.22004e-03	0.0%	2	61	1.853
3	19	0.79607	150.7324	1.25744e-02	0.1%	2	811	1.861	
21	3	-19	0.79607	150.7324	1.17976e-02	0.1%	2	811	1.861
6	0	16	0.79601	150.7697	3.50478e-04	0.0%	2	292	1.864
19	1	6	0.79587	150.8474	3.18694e-03	0.0%	2	398	1.869
19	-1	6	0.79587	150.8474	3.07193e-03	0.0%	2	398	1.869
18	2	6	0.79564	150.9747	5.37560e-03	0.0%	2	364	1.878
18	-2	6	0.79564	150.9747	5.12021e-03	0.0%	2	364	1.878
1	5	11	0.79554	151.0297	3.29664e-03	0.0%	2	147	1.882
1	-5	11	0.79554	151.0297	1.76258e-03	0.0%	2	147	1.882
6	2	15	0.79529	151.1702	8.18884e-03	0.0%	2	265	1.892
6	-2	15	0.79529	151.1702	7.70309e-03	0.0%	2	265	1.892
3	5	10	0.79514	151.2520	6.99508e-03	0.0%	2	134	1.898
3	-5	10	0.79514	151.2520	5.51863e-03	0.0%	2	134	1.898
17	5	-11	0.79502	151.3176	3.01676e-03	0.0%	2	435	1.903
5	11	0.79502	151.3176	2.24790e-03	0.0%	2	435	1.903	
9	5	6	0.79496	151.3522	1.39622e-02	0.1%	2	142	1.905
9	-5	6	0.79496	151.3522	1.68253e-02	0.1%	2	142	1.905
20	2	4	0.79426	151.7517	4.32230e-03	0.0%	2	420	1.935
20	-2	4	0.79426	151.7517	4.33606e-03	0.0%	2	420	1.935
24	2	-1	0.79415	151.8137	8.04796e-04	0.0%	2	581	1.939
2	1	0.79415	151.8137	1.08477e-03	0.0%	2	581	1.939	
21	1	4	0.79377	152.0364	1.99173e-03	0.0%	2	458	1.956
21	-1	4	0.79377	152.0364	1.91920e-03	0.0%	2	458	1.956
9	1	14	0.79338	152.2595	5.53376e-03	0.0%	2	278	1.973
9	-1	14	0.79338	152.2595	6.26322e-03	0.0%	2	278	1.973
25	3	-6	0.79334	152.2858	1.08517e-02	0.1%	2	670	1.975
3	6	0.79334	152.2858	1.16275e-02	0.1%	2	670	1.975	
25	1	-1	0.79317	152.3851	2.86641e-03	0.0%	2	627	1.983
1	1	0.79317	152.3851	3.00024e-03	0.0%	2	627	1.983	
3	18	0.79302	152.4747	7.93240e-03	0.0%	2	862	1.990	

23	3	-18	0.79302	152.4747	8.23276e-03	0.0%	2	862	1.990
8	6	-1	0.79257	152.7401	6.02716e-03	0.0%	2	101	2.011
-8	6	1	0.79257	152.7401	6.03231e-03	0.0%	2	101	2.011
4	17	0.79246	152.8050	6.84294e-03	0.0%	2	629	2.016	
18	4	-17	0.79246	152.8050	6.33325e-03	0.0%	2	629	2.016
8	6	-6	0.79241	152.8347	9.09138e-03	0.1%	2	136	2.018
-8	6	6	0.79241	152.8347	9.51910e-03	0.1%	2	136	2.018
-1	5	12	0.79230	152.8993	9.46287e-03	0.1%	2	170	2.024
1	5	-12	0.79230	152.8993	9.34950e-03	0.1%	2	170	2.024
23	3	-2	0.79230	152.9026	2.91437e-03	0.0%	2	542	2.024
3	2	0.79230	152.9026	3.54331e-03	0.0%	2	542	2.024	
5	13	0.79220	152.9606	9.16838e-03	0.1%	2	419	2.029	
15	5	-13	0.79220	152.9606	7.64481e-03	0.0%	2	419	2.029
4	16	0.79197	153.1008	1.08091e-02	0.1%	2	672	2.040	
20	4	-16	0.79197	153.1008	1.05295e-02	0.1%	2	672	2.040
5	14	0.79193	153.1275	6.66288e-03	0.0%	2	342	2.042	
11	5	-14	0.79193	153.1275	5.57392e-03	0.0%	2	342	2.042
17	1	8	0.79158	153.3353	3.94889e-04	0.0%	2	354	2.059
17	-1	8	0.79158	153.3353	3.11502e-04	0.0%	2	354	2.059
-3	3	18	0.79157	153.3450	7.30094e-03	0.0%	2	342	2.060
3	3	-18	0.79157	153.3450	5.81410e-03	0.0%	2	342	2.060
-9	5	14	0.79152	153.3721	8.96269e-03	0.1%	2	302	2.063
9	5	-14	0.79152	153.3721	7.58750e-03	0.0%	2	302	2.063
15	5	0	0.79121	153.5650	1.03688e-02	0.1%	4	250	2.079
5	5	9	0.79113	153.6147	3.87550e-03	0.0%	2	131	2.083
5	-5	9	0.79113	153.6147	3.67468e-03	0.0%	2	131	2.083
25	3	-16	0.79099	153.6982	1.09673e-02	0.1%	2	890	2.090
3	16	0.79099	153.6982	9.88172e-03	0.1%	2	890	2.090	
22	4	-14	0.79098	153.7070	1.11160e-02	0.1%	2	696	2.091
4	14	0.79098	153.7070	1.17464e-02	0.1%	2	696	2.091	
-6	6	7	0.79089	153.7660	6.02151e-03	0.0%	2	121	2.096
6	6	-7	0.79089	153.7660	6.08750e-03	0.0%	2	121	2.096
-4	6	7	0.79068	153.8909	3.94185e-03	0.0%	2	101	2.107
4	6	-7	0.79068	153.8909	3.82643e-03	0.0%	2	101	2.107
16	2	8	0.79065	153.9159	3.28740e-03	0.0%	2	324	2.109
16	-2	8	0.79065	153.9159	3.18918e-03	0.0%	2	324	2.109
10	4	9	0.78975	154.4814	6.35449e-03	0.0%	2	197	2.159
10	-4	9	0.78975	154.4814	4.74012e-03	0.0%	2	197	2.159
-2	2	19	0.78959	154.5869	7.26018e-03	0.0%	2	369	2.169
2	2	-19	0.78959	154.5869	7.47403e-03	0.0%	2	369	2.169

21	3	1	0.78957	154.5955	4.01410e-03	0.0%	2	451	2.170
21	-3	1	0.78957	154.5955	5.21173e-03	0.0%	2	451	2.170
22	4	-5	0.78933	154.7519	2.11004e-03	0.0%	2	525	2.184
4	5	0.78933	154.7519	2.32550e-03	0.0%	2	525	2.184	
13	3	9	0.78929	154.7793	1.00534e-02	0.1%	2	259	2.187
13	-3	9	0.78929	154.7793	8.88384e-03	0.1%	2	259	2.187
24	0	1	0.78880	155.0992	2.07216e-03	0.0%	2	577	2.217
0	6	6	0.78876	155.1241	5.53123e-03	0.0%	2	72	2.219
0	6	-6	0.78876	155.1241	6.36303e-03	0.0%	2	72	2.219
8	0	15	0.78869	155.1702	7.01005e-03	0.0%	2	289	2.223
6	6	2	0.78868	155.1814	6.09755e-03	0.0%	2	76	2.224
6	-6	2	0.78868	155.1814	5.71838e-03	0.0%	2	76	2.224
2	6	5	0.78864	155.2064	6.41031e-03	0.0%	2	65	2.227
2	-6	5	0.78864	155.2064	6.58053e-03	0.0%	2	65	2.227
17	5	-3	0.78798	155.6457	1.35114e-02	0.1%	2	323	2.270
5	3	0.78798	155.6457	1.30001e-02	0.1%	2	323	2.270	
8	2	14	0.78772	155.8229	6.94355e-03	0.0%	2	264	2.288
8	-2	14	0.78772	155.8229	7.35494e-03	0.0%	2	264	2.288
-6	4	17	0.78734	156.0829	1.27528e-02	0.1%	2	341	2.314
6	4	-17	0.78734	156.0829	1.63197e-02	0.1%	2	341	2.314
5	14	0.78716	156.2060	1.21698e-02	0.1%	2	390	2.327	
13	5	-14	0.78716	156.2060	1.28764e-02	0.1%	2	390	2.327
4	18	0.78691	156.3816	8.09946e-03	0.0%	2	536	2.345	
14	4	-18	0.78691	156.3816	8.73385e-03	0.1%	2	536	2.345
9	3	12	0.78683	156.4314	7.27655e-03	0.0%	2	234	2.351
9	-3	12	0.78683	156.4314	5.48058e-03	0.0%	2	234	2.351
4	18	0.78676	156.4807	8.39112e-03	0.1%	2	484	2.356	
12	4	-18	0.78676	156.4807	5.96551e-03	0.0%	2	484	2.356
22	2	2	0.78662	156.5845	6.51680e-03	0.0%	2	492	2.367
22	-2	2	0.78662	156.5845	6.68622e-03	0.0%	2	492	2.367
2	4	14	0.78621	156.8680	6.06047e-03	0.0%	2	216	2.398
2	-4	14	0.78621	156.8680	5.85444e-03	0.0%	2	216	2.398
17	5	-12	0.78619	156.8866	4.36627e-03	0.0%	2	458	2.400
5	12	0.78619	156.8866	5.36884e-03	0.0%	2	458	2.400	
8	6	0	0.78616	156.9098	1.84220e-02	0.1%	4	100	2.402
-7	5	14	0.78598	157.0385	8.93789e-03	0.1%	2	270	2.417
7	5	-14	0.78598	157.0385	9.23913e-03	0.1%	2	270	2.417
-8	6	7	0.78594	157.0646	5.43153e-03	0.0%	2	149	2.420
8	6	-7	0.78594	157.0646	5.41733e-03	0.0%	2	149	2.420
-3	5	13	0.78557	157.3318	5.66119e-03	0.0%	2	203	2.450
3	5	-13	0.78557	157.3318	8.09424e-03	0.0%	2	203	2.450

23	1	2	0.78544	157.4297	5.09570e-03	0.0%	2	534	2.461
23	-1	2	0.78544	157.4297	5.49464e-03	0.0%	2	534	2.461
-2	6	7	0.78535	157.4922	5.28165e-03	0.0%	2	89	2.468
2	6	-7	0.78535	157.4922	5.43858e-03	0.0%	2	89	2.468
20	4	-1	0.78511	157.6717	2.15980e-03	0.0%	2	417	2.489
4	1	0.78511	157.6717	2.64326e-03	0.0%	2	417	2.489	
4	4	13	0.78503	157.7307	7.16220e-03	0.0%	2	201	2.496
4	-4	13	0.78503	157.7307	1.01647e-02	0.1%	2	201	2.496
4	6	4	0.78498	157.7646	4.59131e-03	0.0%	2	68	2.500
4	-6	4	0.78498	157.7646	4.33031e-03	0.0%	2	68	2.500
0	4	15	0.78389	158.5915	1.57551e-02	0.1%	2	241	2.602
0	4	-15	0.78389	158.5915	1.26708e-02	0.1%	2	241	2.602
7	5	8	0.78366	158.7673	8.39323e-03	0.1%	2	138	2.625
7	-5	8	0.78366	158.7673	1.20175e-02	0.1%	2	138	2.625
14	0	11	0.78348	158.9144	2.44707e-03	0.0%	2	317	2.644
16	4	4	0.78332	159.0372	6.22119e-03	0.0%	2	288	2.661
16	-4	4	0.78332	159.0372	4.62137e-03	0.0%	2	288	2.661
10	6	-4	0.78323	159.1069	1.05978e-02	0.1%	2	152	2.670
6	4	0.78323	159.1069	8.78739e-03	0.1%	2	152	2.670	
10	6	-5	0.78293	159.3467	3.07558e-03	0.0%	2	161	2.703
6	5	0.78293	159.3467	3.72690e-03	0.0%	2	161	2.703	
4	18	0.78198	160.1274	1.26535e-02	0.1%	2	596	2.814	
16	4	-18	0.78198	160.1274	1.37904e-02	0.1%	2	596	2.814
14	4	6	0.78187	160.2198	4.46525e-03	0.0%	2	248	2.828
14	-4	6	0.78187	160.2198	2.76530e-03	0.0%	2	248	2.828
25	3	-5	0.78183	160.2502	2.34642e-03	0.0%	2	659	2.832
3	5	0.78183	160.2502	4.26585e-03	0.0%	2	659	2.832	
4	18	0.78156	160.4803	1.37711e-02	0.1%	2	440	2.867	
10	4	-18	0.78156	160.4803	1.24808e-02	0.1%	2	440	2.867
10	6	-3	0.78144	160.5840	2.29018e-03	0.0%	2	145	2.883
6	3	0.78144	160.5840	2.27646e-03	0.0%	2	145	2.883	
13	5	3	0.78129	160.7135	1.02374e-02	0.1%	2	203	2.904
13	-5	3	0.78129	160.7135	8.73189e-03	0.1%	2	203	2.904
15	1	10	0.78122	160.7718	4.69400e-03	0.0%	2	326	2.913
15	-1	10	0.78122	160.7718	4.26070e-03	0.0%	2	326	2.913
11	1	13	0.78078	161.1628	5.81525e-03	0.0%	2	291	2.976
11	-1	13	0.78078	161.1628	5.47017e-03	0.0%	2	291	2.976
22	4	-15	0.78056	161.3508	1.15209e-02	0.1%	2	725	3.007
4	15	0.78056	161.3508	1.48374e-02	0.1%	2	725	3.007	

10	6	-6	0.78055	161.3668	9.30531e-03	0.1%	2	172	3.010
6	6	0.78055	161.3668	9.24598e-03	0.1%	2	172	3.010	
-6	6	8	0.78053	161.3784	7.24845e-03	0.0%	2	136	3.012
6	6	-8	0.78053	161.3784	6.42818e-03	0.0%	2	136	3.012
6	4	12	0.78038	161.5196	1.03441e-02	0.1%	2	196	3.036
6	-4	12	0.78038	161.5196	1.53455e-02	0.1%	2	196	3.036
11	5	5	0.78014	161.7368	6.32777e-03	0.0%	2	171	3.073
11	-5	5	0.78014	161.7368	7.84126e-03	0.0%	2	171	3.073
-5	3	19	0.78003	161.8321	1.55253e-02	0.1%	2	395	3.090
5	3	-19	0.78003	161.8321	1.36044e-02	0.1%	2	395	3.090
14	2	10	0.77964	162.2014	1.66613e-03	0.0%	2	300	3.157
14	-2	10	0.77964	162.2014	1.96632e-03	0.0%	2	300	3.157
25	3	-17	0.77914	162.6710	5.43634e-03	0.0%	2	923	3.245
3	17	0.77914	162.6710	5.53813e-03	0.0%	2	923	3.245	
18	4	2	0.77869	163.1113	8.07924e-03	0.0%	2	344	3.333
18	-4	2	0.77869	163.1113	8.37447e-03	0.1%	2	344	3.333
22	4	-4	0.77863	163.1734	1.46904e-02	0.1%	2	516	3.346
4	4	0.77863	163.1734	1.26756e-02	0.1%	2	516	3.346	
-4	6	8	0.77854	163.2642	5.05778e-03	0.0%	2	116	3.365
4	6	-8	0.77854	163.2642	4.55468e-03	0.0%	2	116	3.365
-2	4	16	0.77815	163.6602	6.54996e-03	0.0%	2	276	3.449
2	4	-16	0.77815	163.6602	4.30281e-03	0.0%	2	276	3.449
10	0	14	0.77814	163.6709	5.06004e-03	0.0%	2	296	3.451
6	6	3	0.77794	163.8751	7.92065e-03	0.0%	2	81	3.496
6	-6	3	0.77794	163.8751	7.39387e-03	0.0%	2	81	3.496
8	6	1	0.77783	163.9883	6.14658e-03	0.0%	2	101	3.522
8	-6	1	0.77783	163.9883	5.92591e-03	0.0%	2	101	3.522
17	5	-2	0.77770	164.1289	5.83355e-03	0.0%	2	318	3.554
5	2	0.77770	164.1289	4.68465e-03	0.0%	2	318	3.554	
10	6	-2	0.77760	164.2340	8.81877e-03	0.1%	2	140	3.578
6	2	0.77760	164.2340	7.68840e-03	0.0%	2	140	3.578	
-8	6	8	0.77756	164.2728	1.21141e-02	0.1%	2	164	3.587
8	6	-8	0.77756	164.2728	1.21286e-02	0.1%	2	164	3.587
5	14	0.77750	164.3438	2.22020e-02	0.1%	2	446	3.604	
15	5	-14	0.77750	164.3438	2.24153e-02	0.1%	2	446	3.604
19	5	-8	0.77726	164.6012	1.33494e-02	0.1%	2	450	3.666
5	8	0.77726	164.6012	1.51557e-02	0.1%	2	450	3.666	
10	2	13	0.77694	164.9547	6.64658e-03	0.0%	2	273	3.755
10	-2	13	0.77694	164.9547	7.32541e-03	0.0%	2	273	3.755
19	5	-9	0.77680	165.1060	9.07688e-03	0.1%	2	467	3.794

5	9	0.77680	165.1060	9.90929e-03	0.1%	2	467	3.794	
15	5	1	0.77641	165.5519	6.49746e-03	0.0%	2	251	3.914
15	-5	1	0.77641	165.5519	4.49155e-03	0.0%	2	251	3.914
10	6	-7	0.77613	165.8835	1.60563e-02	0.1%	2	185	4.009
6	7	0.77613	165.8835	1.65247e-02	0.1%	2	185	4.009	
19	5	-7	0.77567	166.4500	6.42624e-03	0.0%	2	435	4.180
5	7	0.77567	166.4500	8.12718e-03	0.0%	2	435	4.180	
-5	5	14	0.77560	166.5338	4.89704e-03	0.0%	2	246	4.207
5	5	-14	0.77560	166.5338	8.12536e-03	0.0%	2	246	4.207
4	17	0.77560	166.5382	9.67708e-03	0.1%	2	705	4.208	
20	4	-17	0.77560	166.5382	9.20687e-03	0.1%	2	705	4.208
17	5	-13	0.77559	166.5402	2.48422e-02	0.1%	2	483	4.209
5	13	0.77559	166.5402	2.29370e-02	0.1%	2	483	4.209	
2	6	6	0.77533	166.8747	7.24484e-03	0.0%	2	76	4.318
2	-6	6	0.77533	166.8747	8.13384e-03	0.0%	2	76	4.318
20	0	6	0.77529	166.9218	4.25857e-03	0.0%	2	436	4.334
0	6	7	0.77519	167.0603	7.65417e-03	0.0%	2	85	4.382
0	6	-7	0.77519	167.0603	9.03159e-03	0.1%	2	85	4.382
3	19	0.77517	167.0874	2.54863e-02	0.2%	2	899	4.391	
23	3	-19	0.77517	167.0874	2.22654e-02	0.1%	2	899	4.391
17	3	6	0.77466	167.7692	6.08050e-03	0.0%	2	334	4.641
17	-3	6	0.77466	167.7692	7.47486e-03	0.0%	2	334	4.641
12	4	8	0.77444	168.0772	8.07341e-03	0.0%	2	224	4.763
12	-4	8	0.77444	168.0772	6.27750e-03	0.0%	2	224	4.763
23	3	-1	0.77441	168.1161	1.23994e-02	0.1%	2	539	4.779
3	1	0.77441	168.1161	1.36828e-02	0.1%	2	539	4.779	
19	5	-10	0.77431	168.2575	1.21527e-02	0.1%	2	486	4.837
5	10	0.77431	168.2575	1.35906e-02	0.1%	2	486	4.837	
19	3	4	0.77406	168.6317	8.32789e-03	0.0%	2	386	4.999
19	-3	4	0.77406	168.6317	1.01415e-02	0.1%	2	386	4.999
11	3	11	0.77401	168.7029	1.48594e-02	0.1%	2	251	5.031
11	-3	11	0.77401	168.7029	1.46841e-02	0.1%	2	251	5.031
24	2	0	0.77323	169.9428	1.32264e-02	0.1%	4	580	5.661
9	5	7	0.77303	170.2711	6.71009e-03	0.0%	2	155	5.854
9	-5	7	0.77303	170.2711	9.64678e-03	0.1%	2	155	5.854
22	0	4	0.77269	170.8964	1.18758e-02	0.1%	2	500	6.261
8	4	11	0.77244	171.3634	7.40362e-03	0.0%	2	201	6.603
8	-4	11	0.77244	171.3634	7.41435e-03	0.0%	2	201	6.603
4	18	0.77226	171.7206	2.52104e-02	0.2%	2	664	6.890	

18	4	-18	0.77226	171.7206	2.53964e-02	0.2%	2	664	6.890
4	6	5	0.77211	172.0357	1.52900e-02	0.1%	2	77	7.165
4	-6	5	0.77211	172.0357	1.50595e-02	0.1%	2	77	7.165
19	5	-6	0.77207	172.1368	2.69514e-02	0.2%	2	422	7.258
5	6	0.77207	172.1368	2.69996e-02	0.2%	2	422	7.258	
18	0	8	0.77200	172.2917	8.65939e-03	0.1%	2	388	7.405
10	6	-1	0.77180	172.7460	1.95352e-02	0.1%	2	137	7.872
6	1	0.77180	172.7460	1.95430e-02	0.1%	2	137	7.872	
24	4	-10	0.77170	172.9856	1.99713e-02	0.1%	2	692	8.143
4	10	0.77170	172.9856	1.80913e-02	0.1%	2	692	8.143	
-2	6	8	0.77169	173.0001	1.68929e-02	0.1%	2	104	8.160
2	6	-8	0.77169	173.0001	1.63018e-02	0.1%	2	104	8.160
5	15	0.77167	173.0500	3.13945e-02	0.2%	2	371	8.219	
11	5	-15	0.77167	173.0500	2.80910e-02	0.2%	2	371	8.219
24	4	-11	0.77161	173.2012	1.18067e-02	0.1%	2	713	8.403
4	11	0.77161	173.2012	1.18348e-02	0.1%	2	713	8.403	
-8	4	18	0.77159	173.2342	3.91097e-02	0.2%	2	404	8.444
8	4	-18	0.77159	173.2342	4.65244e-02	0.3%	2	404	8.444
25	1	0	0.77144	173.6254	6.94632e-02	0.4%	4	626	8.965
1	5	12	0.77052	176.9760	6.54373e-02	0.4%	2	170	18.936
1	-5	12	0.77052	176.9760	4.73808e-02	0.3%	2	170	18.936
3	5	11	0.77041	177.6331	1.55888e-02	0.1%	2	155	24.199
3	-5	11	0.77041	177.6331	9.50003e-03	0.1%	2	155	24.199
3	1	18	0.77041	177.6616	4.52535e-02	0.3%	2	334	24.494
3	-1	18	0.77041	177.6616	4.30125e-02	0.3%	2	334	24.494

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