Supporting information

Amphiphilic Star-shaped Block Copolymers as Unimolecular Drug Delivery Systems: Investigations using a Novel Fungicide

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The core-first method was chosen to obtain star-shaped block copolymers with a defined arm number. For the hydrophobic core, pentaerythritol was used as initiator for the ring opening polymerization (ROP) of ε-caprolactone catalyzed by tin(II) ethylhexanoate as described in the literature.[1–3]
Different PCL cores were synthesized with varying degrees of polymerization (13 to 23) per arm, which were characterized by ^{1}H NMR spectroscopy, SEC and MALDI-TOF MS (Table S1 and Fig. S2). The star-shaped PCL polymers revealed narrow PDI values below 1.2 and only monomodal distributions in the MALDI-TOF spectra. The degrees of polymerization were calculated by comparing the signals at 3.6 ppm, corresponding to the methylene protons next to the hydroxyl end group, and the signals at 4.0 ppm in ^{1}H-NMR spectra. The obtained molar masses were slightly higher than the theoretical values.
For the atom transfer radical polymerization (ATRP) of OEGMA, the hydroxyl end groups of the prepared star-shaped poly(ε-caprolactone) polymers were esterified with α-bromoisobutyryl bromide. To avoid side reactions, the modification was carried out at very dilute concentrations. The obtained macroinitiators were characterized by SEC, MALDI-TOF MS and ^{1}H NMR spectroscopy to confirm the complete conversion of the hydroxyl end groups (Table S2 and Fig. S3).
The ATRP of OEGMA was carried out in anisole with a [M]/[I]/[CuBr]/[PMDETA] ratio of 50/1/1.2/3. The reaction temperature of 60 °C ensured reasonable PDI values and acceptable reaction times leading to 50% conversion after 2 h. A relatively low concentration of 0.25 M was chosen to prevent star-star coupling.
The synthesis of well-defined star-shaped [PCL$_a$-*b*-POEGMA$_b$]$_4$ block copolymers with controlled block lengths and ratios can be achieved by performing kinetic studies during the ATRP of OEGMA, starting from different PCL macroinitiators. The corresponding kinetic plots are depicted in Fig. 1. The linear slope of ln([M$_0$]/[M$_t$]) *versus* time indicates a pseudo-first order kinetic of the polymerization. Both the linear increase of the M_n and PDI values below 1.3 with increasing conversion demonstrate a controlled polymerization up to a conversion of 60% (Fig. S1). In all cases, monomodal molar mass distributions could be detected and no star-star coupling was observed. During the course of our studies, no influence of the PCL block length on the polymerization rate was observed.
The kinetic investigations enabled the precise synthesis of 4-arm star-shaped PCL-*b*-POEGMA on a gram scale with varying lengths of the PCL block and the hydrophilic POEGMA shell (Table 1 and Fig. S4). The materials were purified by filtration over an aluminum oxide column to remove any copper, which is of importance for the application in biomedical fields. AAS measurements of the final polymers revealed copper concentrations below 40 ppm. The extinction values are even below the lowest standard of 0.1 mg L^{-1} copper of the calibration (Table S4). Subsequently, the star-shaped block copolymers were completely separated from the OEGMA macromonomers by a preparative size exclusion column and freeze-dried.

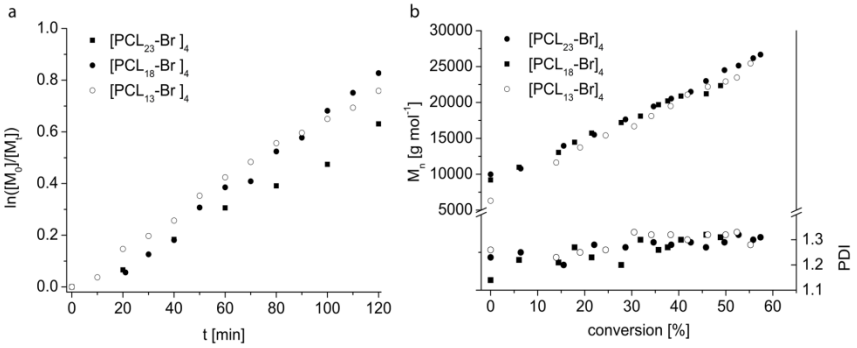

Figure S1. (a) Kinetic plots obtained for different [PCL$_{13\text{-}23}$-Br]$_4$ initiators during the ATRP of OEGMA in anisole at 60 °C and (b) experimental number average molar masses (M_n) and PDI values.

General 4-arm poly(*ε*-caprolactone) ([PCL-OH]$_4$) synthesis. An appropriate amount of pentaerythritol according to the desired arm length was weighed into a flame-dried flask and 35 mL of *ε*-caprolactone (34.4 g, 312 mmol) were added. The quantity of tin(II) 2-ethylhexanoate catalyst was set to 1/20th of the initiating OH-groups of the pentaerythritol. Exemplarily, 666 mg (5.2 mmol) of pentaerythritol were used to obtain an arm length of 15 *ε*-caprolactone units, and 336 µL (421 mg, 1.04 mmol) of tin(II) 2-ethylhexanoate were added. The reaction mixture was submitted to 3 freeze-pump-thaw-cycles and subsequently set under argon to assure a dry and inert atmosphere during the reaction at 80 °C overnight. The resulting highly viscous polymer was purified by precipitation from concentrated dichloromethane solution into cold methanol and dried in vacuum. The ^{1}H NMR spectra were used to calculate the actual arm length by comparison of the signals at 4.0 ppm and 3.6 ppm. ^{1}H NMR (300 MHz, $CDCl_3$): δ 4.0 (m, C*H*2-O), 3.6 (m, C*H*2-OH), 2.3 (m, CO-C*H*2), 1.6 (m, COCH2-C*H*2-CH2CH2CH2O + COCH2CH2CH2-C*H*2-CH2O), 1.35 (m, COCH2CH2-C*H*2-CH2CH2O).

Table S1 Overview of the analytical data obtained for the [PCL-OH]$_4$ polymers.

Polymer	aimed DP	Integral 4.0 ppm[a]	M_n [g mol^{-1}][b] ^{1}H NMR	M_n [g mol^{-1}][c] SEC (DMAc)	PDI	M_n [g mol^{-1}][d] MALDI	PDI
[PCL$_{13}$-OH]$_4$	10	12.3	6 100	5 200	1.15	5 300	1.03
[PCL$_{18}$-OH]$_4$	15	16.9	8 300	7 100	1.13	6 800	1.05
[PCL$_{23}$-OH]$_4$	20	21.8	10 600	8 400	1.32	8 000	1.06

[a] Integral of 3.6 ppm set to 1.0. [b] Calculated from ^{1}H NMR. [c] Obtained from SEC (DMAc:LiCl) using PEG calibration. [d] Obtained by MALDI-TOF MS.

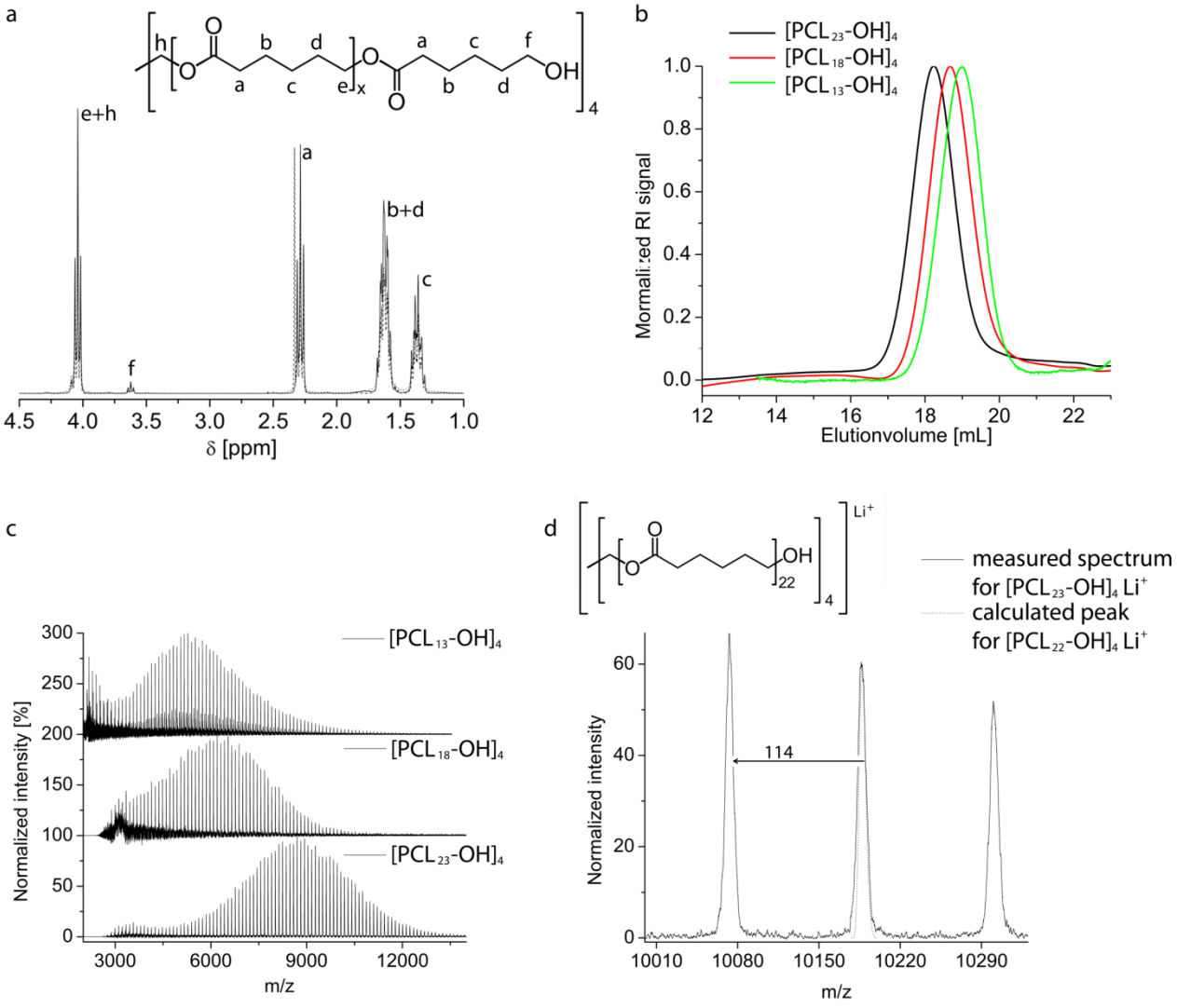

Figure S2. Overview of the analytical data obtained for the [PCL-OH]$_4$ polymers. (a) ^{1}H NMR spectra of the [PCL-OH]$_4$ polymers. (b) SEC curves of the [PCL-OH]$_4$ polymers obtained with DMAc:LiCl eluent. (c) Full MALDI-TOF MS spectra of the [PCL-OH]$_4$ polymers. (d) Zoom-in between m/z 10 000 and m/z 10 300.

General 4-arm poly(*ω*-(*α*-bromoisobutyryl)-*ε*-caprolactone) ([PCL-Br]$_4$) synthesis. The corresponding [PCL-OH]$_4$ polymer was coevaporated with toluene three times prior to use and dissolved in THF to obtain a 1×10^{-2} M solution. Triethylamine and *α*-bromoisobutyryl bromide were slowly added in two-fold excess in relation to the hydroxyl end groups of the polymer. Exemplarily, 34 g (4.31 mmol) of 4-arm PCL star with 17 repeating units per arm were dissolved in 430 mL THF and 4.8 mL (24.7 mg, 34.5 mmol) triethylamine and 4.3 mL (8 mg, 34.5 mmol) α-bromoisobutyryl bromide were added. After 72 h stirring at room temperature, the solution was passed through an Alox bed, and, subsequently, the THF was evaporated. The polymer was redissolved in dichloromethane and precipitated in cold methanol to yield a white or beige powder after drying in vacuum. The ^{1}H NMR spectra were used to control the full conversion of the hydroxyl groups.
^{1}H NMR (300 MHz, $CDCl_3$): *δ* 4.2-4.0 (m, C*H*2-O), 2.3 (m, CO-C*H*2), 1.9 (s, C*H*3), 1.6 (m, COCH2-C*H*2-CH2CH2CH2O + COCH2CH2CH2-C*H*2-CH2O), 1.35 (m, COCH2CH2-C*H*2-CH2CH2O).

Table S2. Overview of the analytical data obtained for the [PCL-Br]$_4$ polymers.

Polymer	M_n [g mol^{-1}]^a ^{1}H NMR	M_n [g mol^{-1}]^b SEC (DMAc)	PDI	M_n [g mol^{-1}]^c MALDI	PDI
[PCL$_{13}$-Br]$_4$	6 700	6 200	1.15	5 300	1.03
[PCL$_{18}$-Br]$_4$	8 900	8 200	1.13	5 800	1.05
[PCL$_{23}$-Br]$_4$	11 200	8 100	1.30	8 000	1.06

[a] Calculated from ^{1}H NMR. [b] Obtained from SEC (DMAc:LiCl) using PEG calibration. [c] Obtained by MALDI-TOF MS.

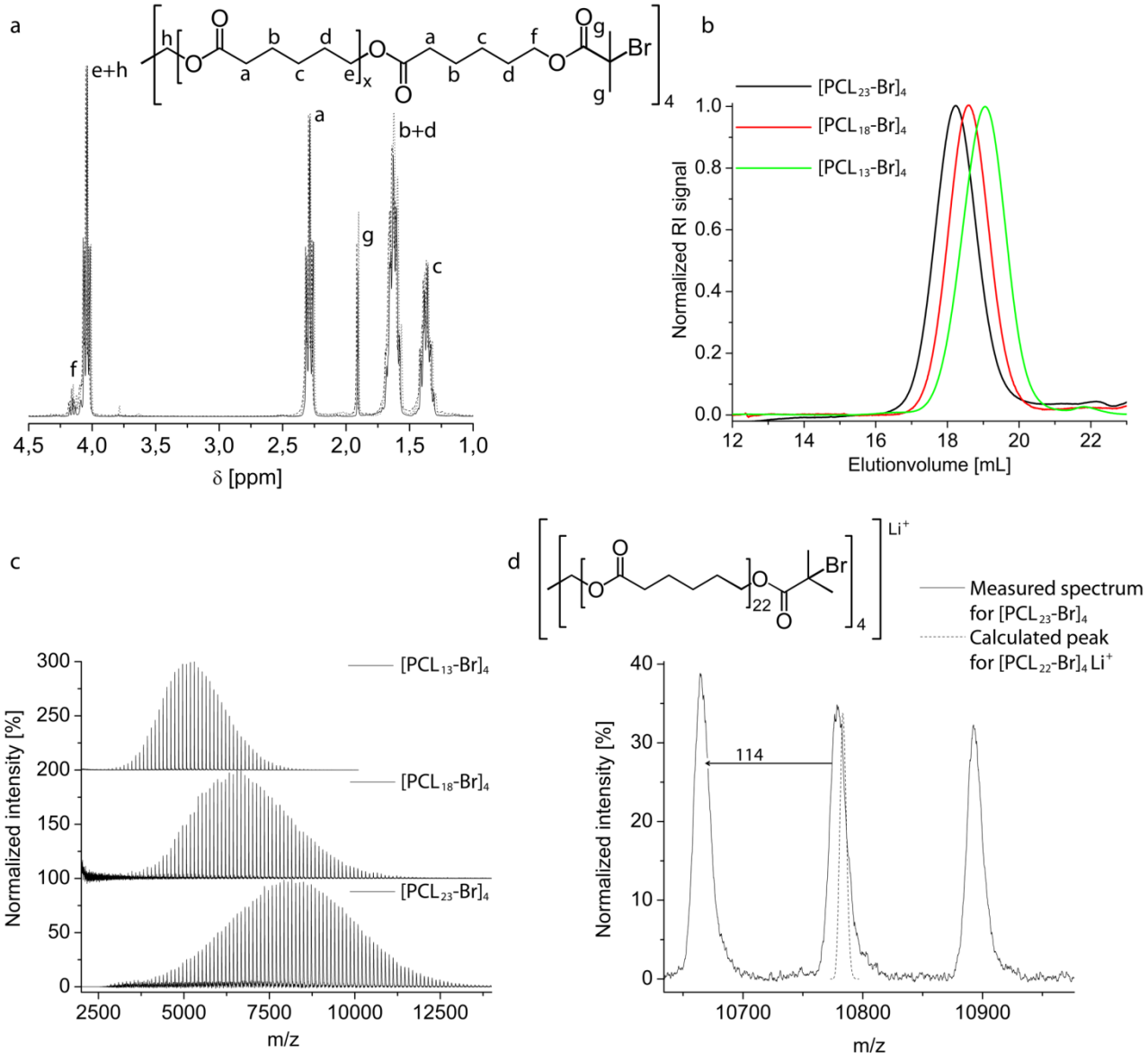

Figure S3. Overview of the analytical data obtained for the [PCL-Br]$_4$ polymers. (a) ^{1}H NMR spectra of the [PCL-Br]$_4$ polymers. (b) SEC curves of the [PCL-Br]$_4$ polymers obtained with DMAc:LiCl eluent. (c) Full MALDI-TOF MS spectra of the [PCL-Br]$_4$ polymers. (d) Zoom-in between m/z 10 650 and m/z 10 975.

General 4-arm poly(*ε*-caprolactone)-*b*-poly(oligo(ethylene glycol) methacrylate) ([PCL-*b*-POEGMA]$_4$) synthesis. In a flame-dried and under argon cooled flask 390 mg PMDETA (2.25 mmol), 18 g OEGMA 475 (37.5 mmol), approximately 500 mg trioxane (as NMR probe to determine the conversion) were weighed in and dissolved in 150 mL anisole previously purged with argon. While purging the solution a second flame-dried 2-necked flask equipped with a gas inlet was cooled under argon, and 133 mg CuBr (1.28 mmol) were added. The purged solution was subsequently added and was further purged with argon for 10 min. An appropriate amount of initiator was added according to the [M]/[I]/[CuBr]/[PMDETA] ratio of 50/1/1.2/3. The reaction flask was immediately closed and heated to 60 °C. For the [PCL$_{18}$-*b*-POEGMA$_{51}$]$_4$ polymer a ratio of [M]/[I]/[CuBr]/[PMDETA] ratio of 75/1/1.2/3 was used. For kinetic studies, the flask was closed with a septum, and, every 10 min, a sample was taken with an argon flushed syringe. The conversions were calculated from the decrease of the integral of the OEGMA signal in the SEC ($CHCl_3$:*i*PrOH:NEt_3). Additionally, ^{1}H NMR spectroscopy delivered corresponding results by comparison of the trioxane signal as internal standard with the methacrylate signals. For the preparation of the different [PCL-*b*-POEGMA]$_4$ polymers the flask was closed with a stopper and heated for an appropriate amount of time. To terminate the reaction the solution was aerated and cooled in a freezer to −18 °C. For purification the reaction mixture was passed through an aluminum oxide bed to remove the copper salts and flushed with toluene. The obtained colorless or slightly yellowish solution was concentrated and subsequently submitted to a BioBeads® SX1 (swelled in toluene) separation. After removing the solvent, the polymer was dried in vacuum and finally dispensed in water and freeze-dried.

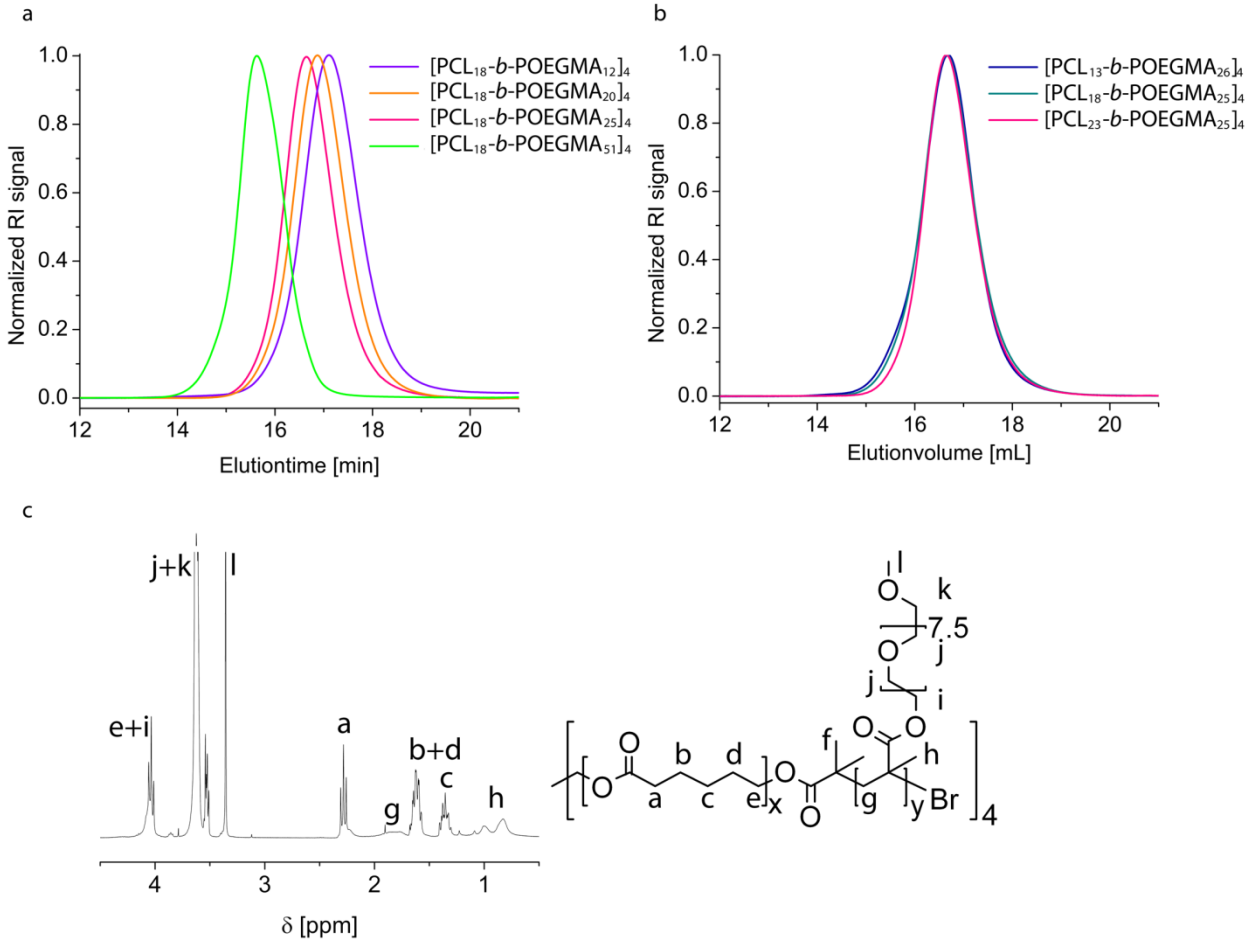

Figure S4. Overview of the analytical data obtained for the [PCL-*b*-POEGMA]$_4$ polymers (a) and (b) SEC curves of the [PCL-*b*-POEGMA]$_4$ polymers obtained with DMAc:LiCl eluent. (c) Representative ^{1}H NMR spectrum of the [PCL$_{18}$-*b*-POEGMA$_{25}$]$_4$ polymer.

Table S3. Calibration of the copper determination using atom absorption spectroscopy (AAS).

	c_{Cu} M_n [mg L^{-1}]	Extinction [a]
blank	0	0.000029
Standard 1	0.1	0.01301
Standard 2	0.25	0.0313
Standard 3	0.5	0.06241
Standard 4	0.75	0.09142
Standard 5	1	0.1219

[a] Obtained at a wavelength of 324 nm.

Table S4. Copper content determination with atom absorption spectroscopy (AAS) of the [PCL-*b*-POEGMA]$_4$ polymers.

Polymer	Extinction [a]	Copper content in polymer [mg g^{-1}]	Copper content in polymer [ppm]
[PCL_{18}-*b*-$POEGMA_{12}$]$_4$	0.008016	0.03	30
[PCL_{18}-*b*-$POEGMA_{20}$]$_4$	0.009059	0.02	20
[PCL_{18}-*b*-$POEGMA_{25}$]$_4$	0.00123	0.04	40
[PCL_{18}-*b*-$POEGMA_{51}$]$_4$	0.001928	0.03	30
[PCL_{23}-*b*-$POEGMA_{25}$]$_4$	0.009011	0.02	20
[PCL_{13}-*b*-$POEGMA_{26}$]$_4$	0.001565	0.02	20
Tap water	0.1718	(0.1355 mg L^{-1})	(135.5)

[a] Obtained at a wavelength of 324 nm.

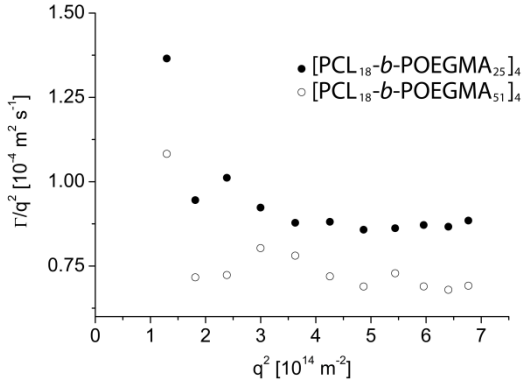

Figure S5. Angular dependent light scattering results obtained for the polymers [PCL_{18}-*b*-$POEGMA_{25}$]$_4$ and [PCL_{18}-*b*-$POEGMA_{51}$]$_4$.

To obtain further insight into the shape of the star-shaped block copolymers [PCL_{18}-*b*-$POEGMA_{25}$]$_4$ and [PCL_{18}-*b*-$POEGMA_{51}$]$_4$ angular dependent light scattering experiments in acetone as a non-selective solvent have been carried out. Such measurements are a powerful tool to obtain detailed information on the solution structure of polymer-based systems, like it has been shown for spherical, disc-like,[4] or vesicular[5] aggregates (R_h > 50 nm) in the literature. For spherical particles, a constant diffusion coefficient should be obtained at all scattering angles. Figure S5 indicates a non-spherical manner of the micelles. In the range of small scattering vectors (q^2) smaller particle sizes were observed, while at higher angles it reaches a plateau. For both polymers a similar trend at different radii is observed and provides a hint for a different behavior in comparison to spherical and disc-like particles. So a more or less ellipsoid or elongated structure is supposed for the micelles from these data.

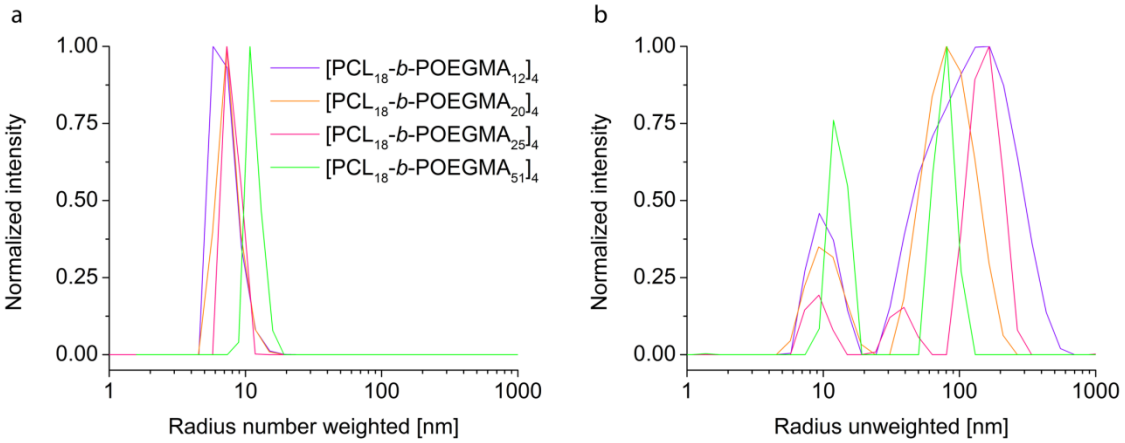

Figure S6. a) Weighted and b) unweighted distribution of the radius obtained in DLS of the [PCL_{18}-*b*-POEGMA]$_4$ polymers.

Determination of the cmc with pyrene

1 mL of the polymers in acetone solutions were dropped into 5 mL water under stirring to obtain final concentrations 1.0×10^{-8} µmol mL^{-1} and 1.0×10^{-1} µmol mL^{-1}. 10 µL of a 0.254 mg mL^{-1} concentrated pyrene in acetone solution was added leading to a final pyrene concentration in water of 2.5×10^{-6} M. The acetone was evaporated for 2 days, the solutions were refilled with water to 5 mL and the vials were closed to equilibrate for further 2 weeks. The emission spectra were recorded between 350 nm and 500 nm with λ_{exc} = 335 nm. Excitation spectra were recorded from 300 nm to 380 nm. The emission wavelength was set to 390 nm.

Determination of the cmc with nile red

The aqueous polymer solutions were prepared in an analogue way as described for the cmc determination with pyrene. To each sample, 10 µL of nile red in acetone (0.4 mg mL^{-1}) were added to result in a final nile red in water concentration of 2.5×10^{-6} M. The acetone was evaporated for 2 days and refilled to 5 mL and equilibrated for 2 weeks. The emission spectra were recorded between 525 nm and 750 nm with λ_{exc} = 520 nm.

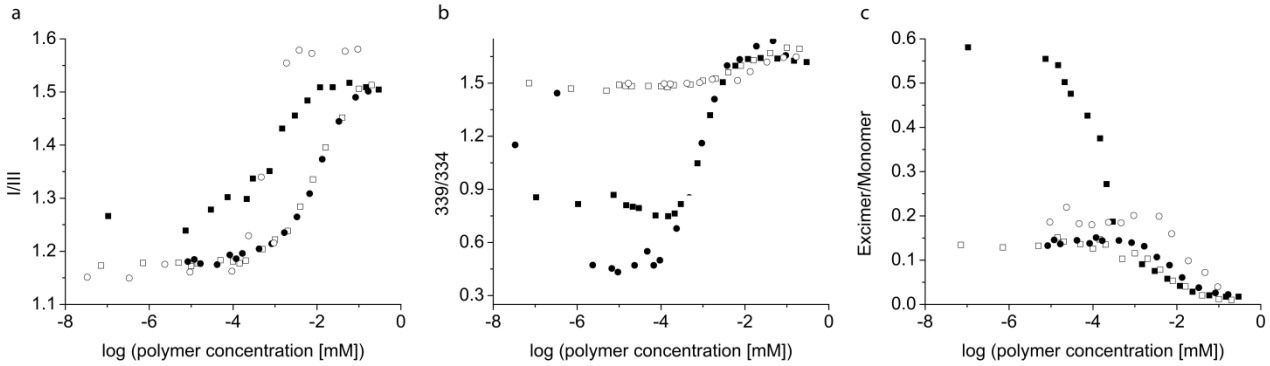

Figure S7: Fluorescence emission spectra evaluated by the ratio of band I to band III (a) and the excimer to monomer ratio (c) as well as fluorescence excitation spectra analyzed by the intensity ratio at 339 nm and 334 nm (b) for the star-shaped block copolymers $[PCL_{18}$-*b*-$POEGMA_{12}]_4$ (■), $[PCL_{18}$-*b*-$POEGMA_{20}]_4$ (□), $[PCL_{18}$-*b*-$POEGMA_{25}]_4$ (●), and $[PCL_{18}$-*b*-$POEGMA_{51}]_4$(○), respectively.

The determination of the cmc for amphiphilic systems using pyrene represents a convenient and frequently used method, either through the fluorescence emission or the excitation of pyrene.[6,7] In general, the ratio of band I to band III of the fluorescence emission spectrum or the ratio of the intensity values at 339 nm and 334 nm in the fluorescence excitation spectra are used.[8] The plotting of these values shows a sigmoidal curve indicating a change in the polarity of the pyrene environment, and, therewith, the cmc of amphiphilic block copolymer.
If the star-shaped block copolymers [PCL-*b*-POEGMA]$_4$ form unimolecular micelles no cmc should be detectable in the fluorescence intensity ratios. It is clearly visible that firstly a sudden change is observed and moreover from the graphs in Figure S7 no significant information can be drawn. The ratios obtained reveal rather complicated correlations and seem to deliver similar values for the cmc. While the polymers $[PCL_{18}$-*b*-$POEGMA_{20}]_4$ and $[PCL_{18}$-*b*-$POEGMA_{25}]_4$ show comparable results, the polymers $[PCL_{18}$-*b*-$POEGMA_{12}]_4$ and $[PCL_{18}$-*b*-$POEGMA_{51}]_4$ appear to possess also analogue properties although $[PCL_{18}$-*b*-$POEGMA_{12}]_4$ represents the polymer with the smallest POEGMA shell and polymer $[PCL_{18}$-*b*-$POEGMA_{51}]_4$ offers the largest shell. Furthermore, the graph in Figure S7 does not show the characteristic and expected course of the curve as described by Kalyanasundaram *et al*.,[6] a declining trajectory of the I/III ratio, but for all samples it is showing an ascending curve. The unusual course of the curve can be seen already as hint for a non-classical micellar system, but the observation that the cmc curve with pyrene does not always show the expected change in polarity has been made already earlier.[9] Mizusaki *et al*. showed a decrease of the I/III ratio upon increase of the PEG content in water (which is not suspected to form unimolecular micelles), in contrast to the expectations of an increase.[9]

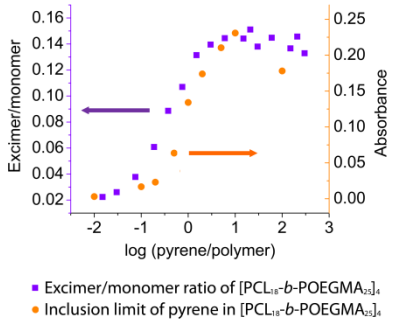

Figure S8: Excimer to monomer ratio of $[PCL_{18}$-*b*-$POEGMA_{25}]_4$ as a function of the pyrene to polymer ratio ( ) in comparison to the inclusion limit of the star-shaped block copolymer $[PCL_{18}$-*b*-$POEGMA_{25}]_4$ with pyrene plotted against the pyrene to polymer ratio ( ).

Fig. S8 demonstrates the curve obtained during the cmc determination (violett squares) in comparison to the measurement of the inclusion limit of pyrene for the star-shaped block copolymers (orange circles). To render the two different measurements comparable instead of the polymer concentration the pyrene molecule to polymer molecules ratio was applied. The overlay of the two methods suggests the

exceedance of the encapsulation capacity at the slope observed in the cmc. The repetition of the experiment with a higher pyrene concentration that is exceeding at all stages the inclusion capacity is leading to an excessive excimer formation of the free dye rendering the interpretation of the obtained data virtually impossible (results not shown).

Evaluation of different encapsulation methods

For the dialysis technique, a 5 mg mL^{-1} concentrated solution of $[PCL_{18}$-*b*-$POEGMA_{25}]_4$ in acetone was dropped into 5 mL of water. An appropriate amount of a 2 mg mL^{-1} concentrated nile red in acetone solution was added to obtain nile red to polymer ratios from 5 to 50. The highest amount necessary was additionally dropped into 5 mL of water to obtain the zero value. The resulting solutions were placed into a membrane tube (Spectra/por, regenerated cellulose, MWCO 3 500) and dialyzed against water. The water was exchanged five times. The solutions for the dropping method were prepared respectively but left for evaporation under stirring and refilled to 5 mL after 2 d. For the drying method the polymer was dissolved in water at a concentration of 1 mg mL^{-1}. The previously applied amounts of nile red in acetone solution were placed into vials, the acetone was evaporated and 5 mL of the polymer solution were added. The solutions were stirred in closed vials for 2 days. The ultrasound encapsulation method was applied as described elsewhere.[1] The absorption spectra of the resulting solutions were recorded and the absorbance value at λ = 550 nm used for the evaluation.

Evaluation of the encapsulation efficiency

The dropping technique was applied as described previously to the six different polymers with a 2 mg mL^{-1} concentrated solution of fat brown RR in acetone. 33 µL of each resulting solution were diluted to 1 mL with water prior to the measurement of the absorption spectrum. The absorbance at 460 nm was used to evaluate the inclusion capacity.

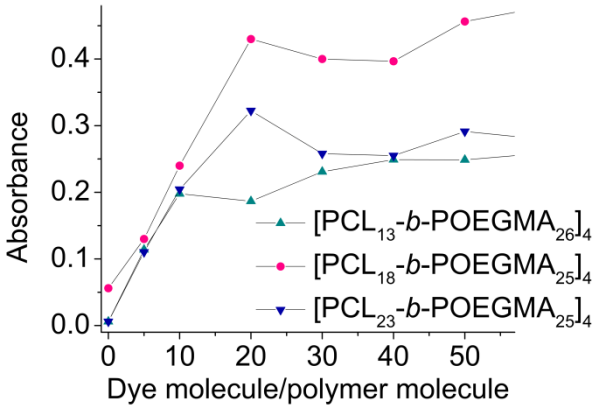

Figure S9. Absorption intensity of fat brown RR at 460 nm for different molar ratios of dye to polymer for the polymers $[PCL_{18}$-*b*-$POEGMA_{25}]_4$, $[PCL_{23}$-*b*-$POEGMA_{25}]_4$ and $[PCL_{13}$-*b*-$POEGMA_{26}]_4$.

Hemolysis of erythrocytes. For testing the hemolytic activity of the polymer solutions, blood from sheep, collected in heparinized-tubes, was centrifuged at 4 500 × g for 5 min and the pellet was washed three times with cold PBS. The resulting pellet was washed three times with cold 1.5 mM phosphate buffered saline pH 7.4 (PBS), resuspended in the same buffed and diluted with PBS in a ratio of 1:7 (number of erythrocytes approx. 2×10^6 mL^{-1}). The erythrocytes stock solutions were mixed 1:1 with the polymer solutions (100, 50 and 10 mg mL^{-1} PBS buffer) and incubated in a water bath at 37 °C for 60 min. After centrifugation at 2 400 g for 5 min the hemoglobin release was determined by spectrophotometric analysis of the supernatant at 544 nm. Complete hemolysis was achieved using 1% Triton X-100 reflecting the 100% value. PBS served as negative control. Less than 5% hemolysis rate were taken as non-hemolytic. Experiments were run in triplicate and were repeated once. The results were analyzed statistically by the Student's *t*-test at a confidence interval of 95%.

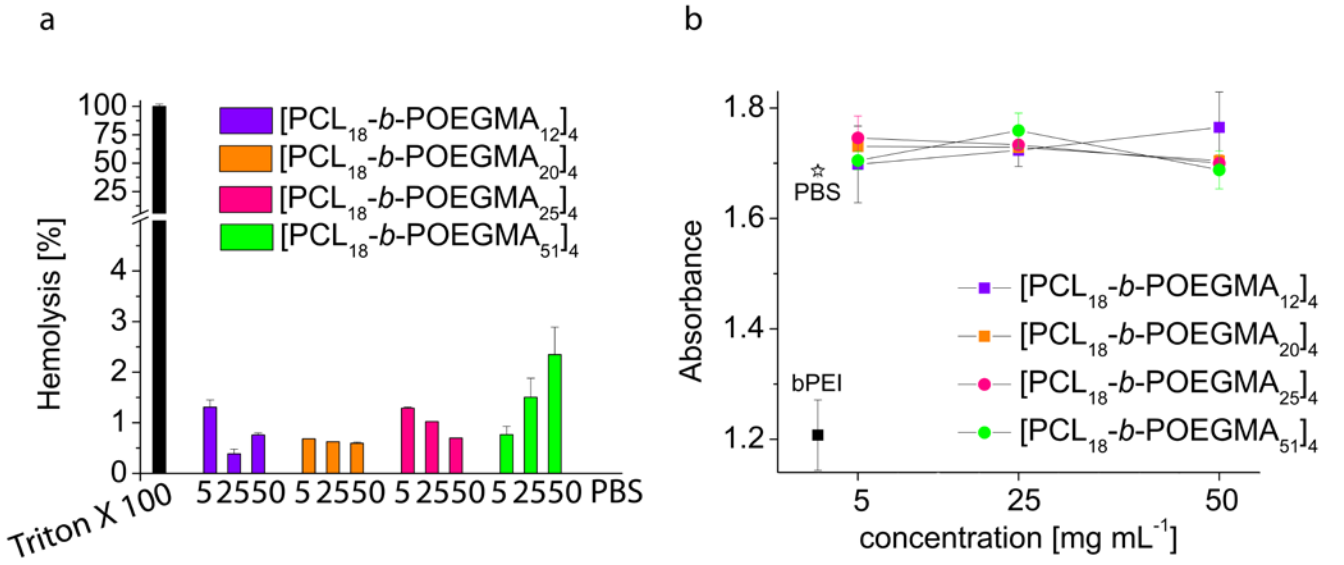

Figure S10: (a) Photometric determination of the hemolytic activity after incubation with different polymer concentrations for 1 h at 37 °C. Triton X-100 (1%) served as positive and PBS as negative control. Data are presented as the mean percentage ± SD of hemolytic activity compared to the positive control set as 100%. (b) Photometric determination of erythrocyte aggregation after 2 h incubation at 37 °C with polymers. 25 kDa bPEI (50 µg mL^{-1}) served as positive and PBS as negative control. Data are presented as the mean measured absorbance ± SD.

Erythrocyte aggregation. Erythrocytes were isolated as described above. Erythrocyte suspensions (100 µL) containing 2 Mio erythrocytes mL^{-1} were mixed with the same volume of polymer solutions (100, 50 and 10 mg mL^{-1} PBS buffer) in a clear flat bottomed 96-well plate. The cells were incubated under vigorous shaking at 37 °C for 2 h and the absorbance was measured at 645 nm in a microplate reader. 25 kDa bPEI (50 µg mL^{-1}) was used as positive control and the negative controls were cells treated only with PBS. Blank values were determined with PBS and subtracted from the sample values. Absorbance values of the test solutions lower than the negative control were regarded as aggregation.
The results were additionally confirmed by microscopic observation after the measurement. For this purpose, the cell/polymer solutions were diluted with the ratio 1:10. 100 µL of this solution were applied in a 96 well plate and erythrocyte aggregation was evaluated by microscopic observations (100 and 320 × magnification) (Figure 7) classifying the results in three stages: stage 1, the erythrocytes stayed discrete in suspension, no aggregation was detectable; stage 2, showed a moderate aggregation with rouleau formation but the majority of erythrocytes were discrete; stage 3, almost all erythrocytes were aggregated in clusters.

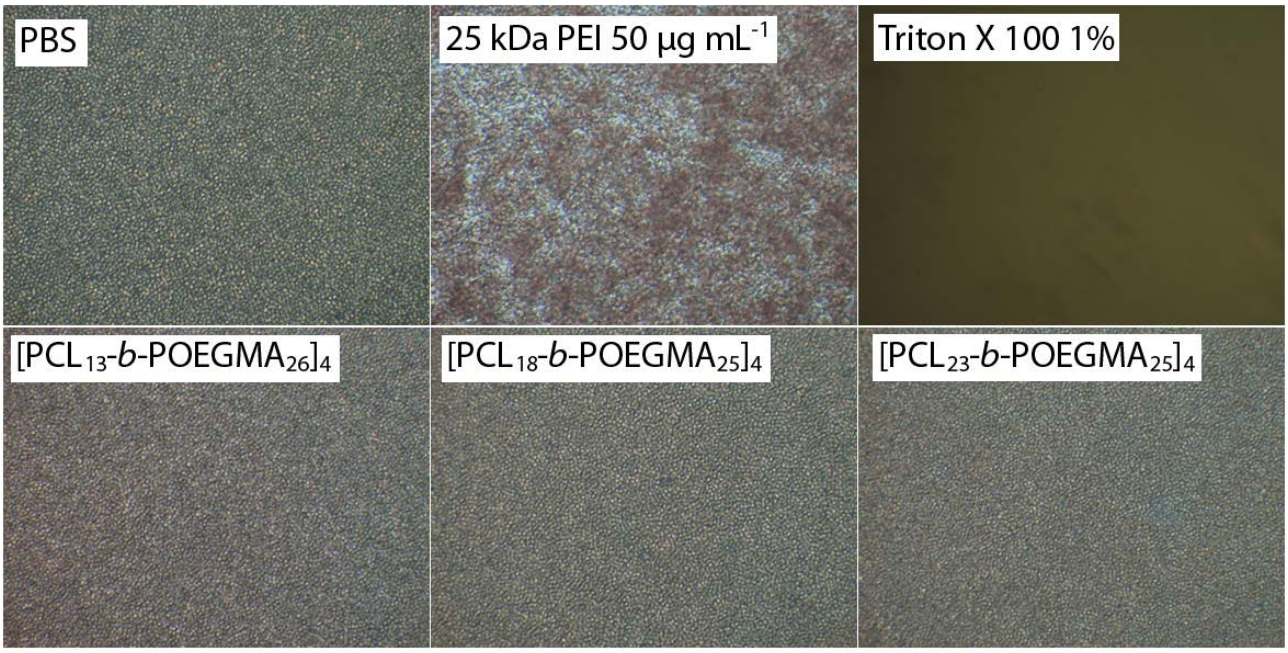

Figure S11: Red blood cells of sheep incubated with the negative (bPEI) and positive controls (PBS) as well as the polymers with a concentration of 10 mg mL^{-1} for 2 h at 37 °C observed with a magnification of 320.

Cytotoxicity. For the cytotoxicity experiments the mouse fibroblast cell line L929 was purchased from the German Collection of Microorganisms and Cell Cultures (DSMZ, Braunschweig, Germany). The cells were routinely cultured as follows: Dulbecco's modied eagle's medium (DMEM) supplemented with 10% FCS, 100 U mL^{-1} penicillin and 100 µg mL^{-1} streptomycin (all components from Biochrom, Berlin, Germany) at 37 °C in a humidified atmosphere with 5% (v/v) CO_2. The short-term cytotoxicity was determined with a XTT assay following the ISO/EN 10993 part 5 protocol: L929 cells were seeded in 96-well plates at a density of 1×10^4 cells/well and were grown as monolayer cultures for 24 h. The cells were then incubated separately with different concentrations (0.01, 0.1, 1.00 and 10.00 µg mL^{-1} (n = 6)) for 24 h. Control cells were incubated with fresh culture medium. After incubation, 50 µL of a XTT solution prepared according to the manufacturer's instructions were added to each well. After 4 h at 37 °C 100 µL of each solution were transferred to a new microtiter plate and the optical density (OD) was measured photometrically. The negative control was standardized as 0% of metabolism inhibition and referred as 100% viability. Furthermore, a viability staining was carried out by covering the 24 h incubated cells for 10 min with a solution of cell culture medium containing Hoechst 33342 dye (1 µg mL^{-1}), PI (1 µg mL^{-1}) and FDA (1 µg mL^{-1}). After removal of the staining solution, cells were washed twice and finally covered with PBS. The blue, red and green fluorescence was observed within 10 min after staining using fluorescence microscopy.

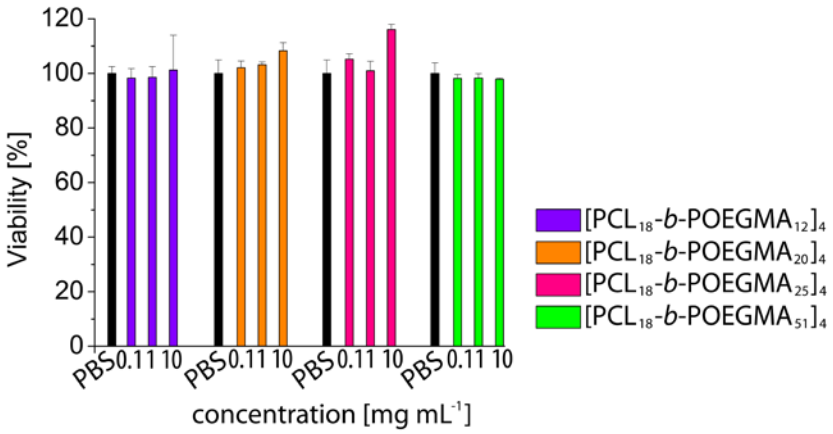

Figure S12: Cell viability of L929 mouse fibroblasts after incubation with star-shaped block copolymers up to 10 mg mL^{-1} for 24 hours. Cells incubated with polymer free culture medium served as control. The cell viability was determined by XTT assay according to ISO 10993-5. Data are expressed as mean ± SD of six determinations.

Fungicide tests. Antifungal activity was determined by agar diffusion test according to European Pharmacopoeia (3th Edition, 1997; 13: 118, Deutscher Apotheker Verlag Stuttgart).

The test organisms *Sporobolomyces salmonicolor* 549, *Candida albicans* BMSY 212 and *Penicillium notatum* JP 36 were provided from the culture collection of microorganisms of the Leibniz-Institut for Natural Products Research and Infection Biology e.V., Hans-Knöll-Institute.

The cell density of young cultures of the test organisms *Sporobolomyces salmonicolor* 549, *Penicillium notatum* JP 36 and *Candida albicans* BMSY 212 were determined. For the antimicrobial activity tests 10^7 cells of *Sporobolomyces salmonicolor* and *Penicillium notatum* respectively were suspended in 34 mL meltet malt extract medium, 5-6 × 10^5 cells of *Candida albicans* in 60 mL melted yeast extract-malt extract medium and poured into petri dishes of 150 mm diameter. After solidification of the agar 12 holes of 9 mm in diameter were cutted in the agar. 10 holes were filled with 50 µL of test suspensions (21, 42, 85, 170, 255, 340 µg mL^{-1} fungicide in polymer solution (1 mg mL^{-1}) or in a DMSO/methanol/water mixture), one whole with the control suspension Amphotericin B 10 µg mL^{-1}, and one with the solvent used for the tests suspensions. Inhibition zones measured in mm were read after incubation for 18 h at 30 °C.

Final geometry data energy minimization (xyz-data).

number of atoms 4697

C	60.91570	28.51650	126.67600	C	58.42020	27.09740	125.24700	C	15.34670	-12.16060	79.15250
C	60.67480	27.47890	127.80700	C	59.93980	25.11680	125.71600	C	15.12690	-13.49110	78.39940
C	59.31410	26.73060	127.66900	O	57.19030	24.53960	125.56800	C	14.48000	-13.23960	77.06580
C	58.88340	26.07370	126.31700	C	56.03300	23.76360	125.90800	O	14.10800	-12.12640	76.72960
C	57.66140	25.23400	126.60700	C	55.56250	23.03900	124.63000	O	14.34600	-14.31690	76.28770
O	57.14350	25.18970	127.71200	C	54.31680	22.16900	124.90900	C	13.72250	-13.99500	75.03580
C	60.92850	28.08660	129.23300	C	53.84750	21.49840	123.59900	C	13.62080	-15.27710	74.18290
C	59.82680	28.74160	130.14000	C	52.60950	20.60840	123.84600	C	12.94940	-14.96630	72.82660
C	58.94380	29.80600	129.41600	C	52.14780	19.99760	122.55200	C	12.87270	-16.24090	71.95710
C	59.20880	31.32270	129.67200	O	52.68620	20.26350	121.48900	C	12.19500	-15.92320	70.60590
C	58.92210	31.60070	131.12700	O	51.09060	19.18630	122.64600	C	12.13420	-17.14560	69.73340
O	58.24310	30.83770	131.79600	C	50.69110	18.68970	121.36000	O	12.60310	-18.21650	70.08540
C	61.81530	26.49330	127.71900	C	49.47450	17.75440	121.52500	O	11.56000	-16.95710	68.54270
O	61.66790	25.30650	127.96200	C	49.00390	17.25410	120.14100	C	11.56410	-18.15210	67.74840
C	60.54010	29.31430	131.35300	C	47.79950	16.29690	120.28300	C	10.88330	-17.84180	66.39880
O	60.08460	29.18700	132.47800	C	47.32270	15.84650	118.88400	C	10.88550	-19.08860	65.48660
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O	61.84990	29.51860	131.19100	O	45.76960	14.45330	120.04600	C	10.21280	-19.99690	63.21310
C	62.53350	29.82100	132.41400	O	45.61070	14.57430	117.80600	C	9.54133	-19.67970	61.90600
C	64.03060	29.92700	132.06400	C	44.52780	13.64470	117.95300	O	9.00388	-18.60260	61.70210
O	64.40930	28.67190	131.47800	C	43.95560	13.35500	116.55000	O	9.57572	-20.65870	60.99810
C	65.74510	28.67450	130.95000	C	42.80430	12.32730	116.62200	C	8.91288	-20.28110	59.78260
C	66.83300	28.84160	132.03100	C	42.22740	12.08910	115.20800	C	9.00544	-21.44900	58.77810
O	68.09740	28.52700	131.43000	C	41.09860	11.03550	115.24600	C	8.29401	-21.07750	57.45790
C	69.17000	28.61090	132.37900	C	40.53470	10.83170	113.86700	C	8.40262	-22.23540	56.44090
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C	72.80010	27.88610	131.98900	C	39.12260	9.75196	112.41900	O	8.41074	-23.99290	54.34560
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O	75.13970	27.47810	132.37800	C	37.52160	8.49083	110.92000	C	7.33948	-23.81220	52.02920
C	76.26340	27.50930	133.26800	C	36.52340	7.31588	110.82100	C	6.59979	-23.45180	50.72380
C	77.49320	26.97440	132.50900	C	35.93790	7.24286	109.39300	C	6.75812	-24.57720	49.67740
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C	79.81140	26.53060	132.69800	O	34.81100	5.27784	110.14800	C	6.17048	-25.31460	47.31950
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C	85.95110	25.18520	134.90800	C	30.47950	2.37085	104.74700	C	4.22360	-26.04920	41.51920
C	87.38200	25.40610	135.43700	C	29.85070	2.40997	103.38200	C	4.42933	-27.08410	40.39070
O	87.53360	24.70390	136.67900	O	29.93250	3.39412	102.66400	C	3.62235	-26.67300	39.13950
C	88.85180	24.87560	137.21800	O	29.19640	1.30194	103.02300	C	3.81592	-27.66130	38.02370
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O	66.51080	25.97610	127.88500	C	26.58460	-1.10875	99.55220	C	2.52757	-27.97950	34.64650
C	67.75890	26.67030	127.74000	C	25.93660	-0.97594	98.15640	C	2.75926	-28.98190	33.49400
C	68.92270	25.75860	128.17500	C	25.29810	-2.26807	97.72980	C	1.90166	-28.58880	32.27060
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C	71.28260	25.73030	128.44200	O	24.70490	-2.23077	96.53410	C	1.29155	-29.19370	29.91940
C	72.52620	26.63840	128.38100	C	24.16140	-3.50543	96.16190	O	0.51697	-28.25070	29.95640
O	73.70250	25.87100	128.67300	C	23.49860	-3.36248	94.77570	O	1.44585	-29.96580	28.84050
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C	76.12140	25.81380	128.86300	C	22.26690	-4.55183	92.91180	C	0.83259	-30.47160	26.54850
O	77.28090	26.65920	128.82400	C	21.73410	-5.90766	92.39850	C	-0.07831	-30.05260	25.37310
C	78.50220	25.94490	129.07700	C	21.08930	-5.74077	91.05070	C	0.15838	-30.96730	24.15080
C	78.87980	24.94580	127.96200	O	20.92440	-4.64075	90.54740	C	-0.76716	-30.54800	22.98750
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C	80.67420	23.56800	127.23100	C	20.11000	-6.63162	89.17680	O	0.29767	-32.29870	21.76290
C	82.11770	23.16510	127.59100	C	19.72830	-7.98218	88.53510	O	-1.34097	-31.14590	20.74250
O	82.60580	22.20880	126.64000	C	19.06860	-7.75179	87.15720	C	-1.07382	-32.00160	19.62210
C	83.95100	21.81380	126.94800	C	18.71820	-9.10143	86.49200	C	-2.03728	-31.61810	18.47940
C	84.42130	20.78140	125.90600	C	18.05310	-8.85976	85.11900	C	-1.78869	-32.49800	17.23410
O	85.76860	20.38720	126.20100	C	17.73430	-10.16090	84.43730	C	-2.77165	-32.10880	16.10770
C	86.24180	19.42200	125.25100	O	18.01820	-11.23920	84.93440	C	-2.52682	-32.97130	14.85000
C	87.69040	19.03150	125.60400	O	17.15980	-10.03930	83.23790	C	-3.49141	-32.59460	13.76040
O	87.70980	18.46800	126.92300	C	16.92220	-11.31400	82.62340	O	-4.35382	-31.74680	13.92790
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				C	16.01580	-12.41610	80.52130	C	-4.29585	-32.84700	11.62600

C	-4.06330	-33.63430	10.31460	O	-9.42267	40.67740	-12.11050	C	-20.47530	-34.76610	5.52910
C	-4.25248	-35.14600	10.58350	C	-9.76094	41.94190	-11.84610	C	-21.55330	-34.49750	4.45821
O	-4.10174	-35.87410	9.35635	C	-9.12731	42.96730	-12.74430	O	-22.72570	-35.25010	4.80132
C	-4.27446	-37.18620	9.53349	C	-9.64140	44.38560	-12.41240	C	-23.71420	-35.06670	3.92252
O	-4.53041	-37.68590	10.61750	C	-8.95588	45.42780	-13.32390	C	-24.95830	-35.86420	4.19774
C	58.09330	32.05960	128.89000	C	-9.48697	46.84590	-13.01730	C	-26.06150	-35.54720	3.16423
C	60.67010	31.68900	129.24300	C	-8.77101	47.88880	-13.90120	C	-27.31800	-36.39890	3.45160
C	61.10240	33.09930	128.71100	O	-9.30634	49.18890	-13.61360	C	-28.43730	-36.07250	2.43798
C	62.60330	32.97400	128.62200	C	-8.70890	50.14160	-14.33430	C	-29.67760	-36.94910	2.71160
O	63.34220	33.65370	129.31700	C	-9.23169	51.53350	-14.11190	O	-30.70820	-36.60520	1.77402
C	-2.62651	-33.37630	9.80304	C	-8.37387	52.56280	-14.88030	C	-31.80640	-37.34420	1.95221
O	-2.42264	-31.96380	9.65725	C	-8.91932	53.99220	-14.66520	C	-32.94780	-37.02560	1.02714
C	-1.19251	-31.67770	9.22437	C	-8.02878	55.01610	-15.40380	C	-34.12590	-37.99520	1.26750
C	-0.85825	-30.21370	9.18145	C	-8.57767	56.44720	-15.22510	C	-35.30750	-37.65430	0.33241
C	-1.78268	-29.48110	8.18491	O	-7.69110	57.35780	-15.89130	C	-36.46990	-38.64560	0.56278
C	-1.45996	-27.97040	8.18196	C	-8.10743	58.62300	-15.79530	C	-37.67070	-38.29640	-0.34132
C	-2.36293	-27.21940	7.17816	C	-7.19717	59.63660	-16.43050	O	-38.71040	-39.25720	-0.10701
C	-2.05852	-25.70700	7.22256	C	-7.80608	61.05420	-16.35620	C	-39.79630	-39.00790	-0.84320
O	-2.89016	-25.02790	6.27015	C	-6.83940	62.08040	-16.98810	C	-40.92120	-39.98900	-0.66474
C	-2.68167	-23.70850	6.28646	C	-7.45157	63.49840	-16.94900	C	-42.17300	-39.54000	-1.45021
C	-3.49798	-22.91650	5.30314	C	-6.46298	64.52240	-17.54560	C	-43.31710	-40.56100	-1.26140
C	-3.28039	-21.40330	5.52375	O	-7.06769	65.82390	-17.52770	C	-44.58290	-40.09600	-2.01520
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C	-3.90282	-19.06930	4.77264	C	-6.81312	68.14900	-18.06250	O	-46.88920	-40.63860	-2.51851
C	-4.68707	-18.22300	3.74806	C	-5.73085	69.15540	-18.51150	C	-47.91450	-41.48780	-2.41139
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C	-6.13357	-11.33370	1.64502	C	-4.01169	76.14260	-19.90850	O	-55.03310	-43.20490	-3.84586
C	-6.03151	-9.83950	2.01778	C	-4.58745	77.54970	-20.18140	C	-56.22160	-42.82690	-4.32346
O	-6.56336	-9.05131	0.94279	C	-3.43975	78.54000	-20.47980	C	-57.30740	-43.86120	-4.21763
C	-6.51376	-7.74460	1.21546	C	-3.99885	79.94560	-20.79400	C	-58.66800	-43.27020	-4.64785
C	-7.01130	-6.84336	0.11978	C	-2.83958	80.93000	-21.05660	C	-59.77800	-44.33900	-4.53595
C	-6.98170	-5.36832	0.57739	O	-3.37833	82.21850	-21.38760	C	-61.14420	-43.73350	-4.92794
C	-7.46191	-4.43800	-0.55872	C	-2.41233	83.11380	-21.61050	C	-62.25610	-44.79920	-4.83265
C	-7.45503	-2.96893	-0.08039	C	-2.88541	84.48490	-22.00650	O	-63.50950	-44.18280	-5.16143
C	-7.89106	-2.02282	-1.21880	C	-1.68285	85.44380	-22.14890	C	-64.52250	-45.05110	-5.10388
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C	-8.23829	0.20570	-1.65576	C	-0.93393	87.79620	-22.69340	C	-66.97210	-45.55150	-5.32105
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O	-9.82163	15.81680	-5.21172	C	4.21755	102.12800	-27.45040	C	-82.83330	-47.21310	-5.67191
C	-9.82768	16.75120	-6.16597	C	5.52976	102.94200	-27.40600	C	-83.96270	-48.26570	-5.72208
C	-10.04750	18.15610	-5.67834	C	5.41864	104.22400	-28.25610	C	-85.33780	-47.57850	-5.56839
C	-9.87886	19.16850	-6.83260	O	6.67242	104.91500	-28.16700	C	-86.47440	-48.62270	-5.63657
C	-10.11640	20.60790	-6.32398	C	6.69135	106.03300	-28.89790	C	-87.84310	-47.93760	-5.43999
C	-9.90548	21.62230	-7.47007	C	7.98909	106.80600	-28.85590	O	-88.87710	-48.92910	-5.52607
C	-10.16590	23.06050	-6.97480	C	8.29314	107.07200	-27.36260	C	-90.08860	-48.39900	-5.33848
O	-9.91504	23.97020	-8.05580	O	-0.35062	-32.53130	8.99442	C	-91.23230	-49.37080	-5.42694
C	-10.13210	25.23910	-7.70018	C	-5.08457	-33.16890	9.24974	C	-92.55690	-48.68290	-5.02946
C	-9.84208	26.25590	-8.76872	O	-6.40906	-33.47580	9.70806	C	-93.73530	-49.67740	-5.12483
C	-10.18760	27.68010	-8.28052	C	-7.34372	-33.11970	8.82392	C	-95.04560	-48.98920	-4.68208
C	-9.85337	28.71740	-9.37558	C	-8.74776	-33.48600	9.21543	C	-96.23840	-49.96190	-4.79213
C	-10.22280	30.13990	-8.89924	C	-9.74887	-33.14030	8.09120	O	-97.41500	-49.28730	-4.32387
C	-9.85116	31.18150	-9.97556	C	-11.17250	-33.58160	8.49786	C	-98.49950	-50.06300	-4.39544
O	-10.23230	32.48420	-9.50944	C	-12.18540	-33.25040	7.37928	C	-99.75910	-49.43540	-3.86727
C	-9.91614	33.43870	-10.38860	C	-13.59420	-33.74000	7.77577	C	-100.96800	-50.38120	-4.04224
C	-10.30640	34.83280	-9.98340	O	-14.51430	-33.42930	6.71905	C	-102.24000	-49.72840	-3.45752
C	-9.76246	35.86550	-10.99510	C	-15.74840	-33.85860	6.99654	C	-103.46200	-50.65420	-3.64761
C	-10.17630	37.29560	-10.58240	C	-16.77660	-33.58360	5.93475	C	-104.71800	-50.01310	-3.02047
C	-9.59360	38.32600	-11.57510	C	-18.10640	-34.28910	6.28034	O	-105.84200	-50.87990	-3.23035
C	-10.02360	39.75670	-11.18850	C	-19.16670	-34.01820	5.18989	C	-106.95600	-50.38520	-2.68370

C	-108.19000	-51.22250	-2.87404	C	19.05260	-56.17780	-17.78110	C	56.77850	-73.18490	-83.70890
C	-109.36400	-50.64150	-2.05519	O	20.38430	-56.25540	-18.30990	O	57.00200	-71.98560	-83.66210
C	-110.64100	-51.48900	-2.25366	C	20.50620	-57.23270	-19.21190	C	57.21150	-74.02870	-84.87520
C	-111.78900	-50.92090	-1.39040	O	19.58090	-57.96110	-19.53380	C	57.90930	-73.16090	-85.94570
C	-113.08500	-51.73360	-1.59477	C	21.87250	-57.36350	-19.82480	C	58.38930	-74.03900	-87.12270
O	-114.09400	-51.19030	-0.73167	C	21.89990	-58.50370	-20.86640	C	59.08490	-73.16570	-88.19060
C	-115.26000	-51.82950	-0.85625	C	23.30420	-58.61590	-21.50040	C	59.60840	-74.04050	-89.34900
C	-116.34400	-51.34380	0.06462	C	23.33270	-59.75360	-22.54520	O	60.25120	-73.19050	-90.31000
C	-117.68000	-52.06780	-0.21163	C	24.73000	-59.85490	-23.19240	C	60.75900	-73.88640	-91.33040
C	-118.76100	-51.57020	0.77300	O	24.71540	-60.91420	-24.16040	O	60.67440	-75.10140	-91.41530
C	-120.11600	-52.25810	0.49083	C	25.89650	-61.04640	-24.76980	C	61.46620	-73.06360	-92.37090
C	-121.17300	-51.78240	1.50975	O	26.85860	-60.33880	-24.51650	C	62.20610	-73.97340	-93.37610
O	-122.43200	-52.40310	1.21151	C	25.95870	-62.12910	-25.81100	C	62.95390	-73.11980	-94.42440
C	-123.37800	-52.03960	2.08153	C	27.33260	-62.12560	-26.51670	C	63.73660	-74.03090	-95.39610
C	-124.74300	-52.61660	1.82652	C	27.38790	-63.22860	-27.59700	C	64.49650	-73.18410	-96.43870
C	-125.70400	-52.23940	2.97567	C	28.75620	-63.20290	-28.31390	O	65.25950	-74.06530	-97.27560
C	-127.11800	-52.80350	2.71664	C	28.82100	-64.29510	-29.40210	C	65.95990	-73.39710	-98.19570
C	-128.04700	-52.44930	3.89937	O	30.09550	-64.20990	-30.05570	O	65.94010	-72.18030	-98.29330
C	-129.48100	-52.96180	3.64990	C	30.22390	-65.12260	-31.02210	C	66.84920	-74.24990	-99.05690
O	-130.27400	-52.63540	4.80016	O	29.34740	-65.92510	-31.30160	C	67.70690	-73.37410	-99.99660
C	-131.54500	-53.02110	4.66303	C	31.52290	-65.06630	-31.77630	C	68.66770	-74.25770	-100.82300
C	-132.41500	-52.74410	5.85662	C	31.54740	-66.11190	-32.91300	C	69.53980	-73.38240	-101.75100
C	-133.89700	-53.06270	5.56054	C	32.87470	-66.01470	-33.69760	C	70.55130	-74.26390	-102.51900
C	-134.75300	-52.77820	6.81448	C	32.90220	-67.05100	-34.84310	O	71.45810	-73.45930	-103.28900
C	-136.24900	-53.04340	6.53127	C	34.21560	-66.92910	-35.64410	C	70.88300	-72.89790	-104.35800
C	-137.08000	-52.77790	7.80459	O	34.20300	-67.89260	-36.70770	O	69.73590	-73.14540	-104.69400
O	-138.47200	-52.97630	7.51734	C	35.30830	-67.82120	-37.45410	C	71.77790	-71.98790	-105.16600
C	-139.23100	-52.76480	8.59646	O	36.20690	-67.02390	-37.23670	C	72.27100	-70.89010	-104.19500
C	-140.71300	-52.89690	8.37951	C	35.36400	-68.78480	-38.60670	C	72.96840	-72.87530	-105.61700
C	-141.46400	-52.66340	9.70842	C	36.60350	-68.50510	-39.48480	C	70.91510	-71.44800	-106.35300
C	-142.99300	-52.75240	9.50219	C	36.65110	-69.48000	-40.68240	C	71.42320	-70.29400	-107.26900
C	-143.71200	-52.53260	10.85150	C	37.87470	-69.16680	-41.57210	C	71.47340	-69.00020	-106.49200
C	-145.24500	-52.56240	10.67730	C	37.93260	-70.12720	-42.77850	O	70.81270	-68.82370	-105.48200
O	-145.83400	-52.36230	11.96990	O	39.05910	-69.76560	-43.59040	O	-16.03210	-34.44050	8.03167
C	-147.16800	-52.33920	11.92410	C	39.17320	-70.54890	-44.66580	O	-23.61240	-34.34120	2.94593
C	-147.85300	-52.13360	13.25530	O	38.39840	-71.45950	-44.91270	O	-31.89750	-38.20170	2.81647
C	-147.37500	-50.73860	13.73900	C	40.30500	-70.19260	-45.58860	O	-39.87410	-38.06870	-1.61922
O	-7.08419	-32.59750	7.75142	C	40.31990	-71.11350	-46.82860	O	-47.84250	-42.54430	-1.80376
C	-4.17938	-38.02100	8.28830	C	41.46380	-70.70220	-47.78200	O	-56.42110	-41.72950	-4.81980
C	-2.74597	-37.95630	7.71836	C	41.48490	-71.61540	-49.02800	O	-64.37690	-46.22530	-4.80314
C	-2.63656	-38.84480	6.45936	C	42.60460	-71.17480	-49.99440	O	-73.30770	-44.75540	-6.02325
C	-1.20057	-38.80810	5.89075	O	42.59530	-72.03540	-51.14280	O	-81.35320	-49.07870	-5.82958
C	-1.09805	-39.71580	4.64685	C	43.53060	-71.68660	-52.03040	O	-90.26800	-47.21080	-5.12268
O	0.24926	-39.68600	4.15342	O	44.28970	-70.74560	-51.86080	O	-98.47240	-51.21070	-4.81075
C	0.40050	-40.46950	3.08220	C	43.58150	-72.53320	-53.27170	O	-106.98600	-49.32170	-2.08485
O	-0.51341	-41.12060	2.60118	C	44.58040	-71.93900	-54.28900	O	-115.42800	-52.76820	-1.61834
C	1.79282	-40.52030	2.51736	C	44.62700	-72.80000	-55.57080	O	-123.16800	-51.27100	3.00673
C	1.86421	-41.53360	1.35381	C	45.60020	-72.17370	-56.59430	O	-131.96700	-53.58920	3.66847
C	3.29802	-41.60730	0.78333	C	45.66330	-73.02470	-57.87990	O	-138.76700	-52.44430	9.67951
C	3.35734	-42.63890	-0.36523	O	46.54610	-72.37730	-58.80750	O	-147.78900	-52.47630	10.88180
C	4.78580	-42.73540	-0.94071	C	46.65550	-73.05630	-59.95210	C	-149.39100	-52.21350	12.99280
O	4.78641	-43.72020	-1.98426	O	46.06400	-74.10270	-60.16570	C	-150.41000	-52.28220	14.17090
C	5.99546	-43.86970	-2.53106	C	47.53190	-72.40990	-60.98820	C	-151.91200	-52.34030	13.71550
O	6.97342	-43.23390	-2.17074	C	47.60640	-73.27230	-62.26740	C	-152.51200	-51.55770	12.49350
C	6.07373	-44.90610	-3.61696	C	48.48640	-72.57450	-63.32830	C	-154.01200	-51.79460	12.51320
C	7.51574	-45.03560	-4.15501	C	48.57840	-73.43650	-64.60710	O	-154.50300	-52.19350	13.68930
C	7.57844	-46.11830	-5.25536	C	49.43240	-72.72020	-65.67440	C	-155.86300	-52.64320	13.61440
C	9.01929	-46.25600	-5.79551	O	49.51220	-73.55070	-66.84210	C	-156.23200	-53.15510	15.02010
C	9.08187	-47.34810	-6.88405	C	50.22820	-72.97490	-67.81150	O	-155.29200	-54.19050	15.34460
O	10.43170	-47.45180	-7.36005	O	50.74330	-71.87430	-67.69310	C	-155.41000	-54.65750	16.69800
C	10.55490	-48.38990	-8.30268	C	50.37510	-73.78880	-69.06680	C	-156.74900	-55.36640	16.98890
O	9.61680	-49.06510	-8.69582	C	51.13550	-72.98660	-70.14570	O	-156.62100	-56.03980	18.24950
C	11.94350	-48.56290	-8.85209	C	51.29800	-73.82690	-71.43180	C	-157.81000	-56.76950	18.58280
C	11.97690	-49.69980	-9.89717	C	52.03700	-73.00630	-72.51210	C	-157.57800	-57.49060	19.92500
C	13.40570	-49.87560	-10.45760	C	52.22960	-73.84240	-73.79460	O	-158.74300	-58.26160	20.25690
C	13.43470	-51.02010	-11.49500	O	52.89850	-73.02980	-74.76990	C	-158.55900	-58.96640	21.49280
C	14.85780	-51.20030	-12.06370	C	53.11630	-73.69280	-75.90850	C	-159.81600	-59.79530	21.81690
O	14.83810	-52.27550	-13.01370	O	52.77720	-74.85310	-76.07950	O	-159.56200	-60.53040	23.02210
C	16.04170	-52.48720	-13.55200	C	53.79910	-72.89520	-76.98420	C	-160.69900	-61.31000	23.41570
O	17.02820	-51.83170	-13.25600	C	54.10890	-73.77840	-78.21300	C	-160.32400	-62.10100	24.68380
C	16.10070	-53.60520	-14.55520	C	54.80710	-72.94220	-79.30840	O	-161.45800	-62.86310	25.12290
C	17.52490	-53.74490	-15.13640	C	55.14980	-73.82870	-80.52640	C	-161.14800	-63.62310	26.30000
C	17.57420	-54.89620	-16.16550	C	55.83740	-72.99020	-81.62450	C	-162.39700	-64.41380	26.73420
C	18.99670	-55.02810	-16.75330	O	56.17740	-73.85210	-82.72030	O	-162.07800	-65.17030	27.91120

C	-163.20700	-65.92930	28.36940	C	61.11750	36.05840	122.01200	O	53.72130	47.36070	134.26500
C	-162.79100	-66.69970	29.64150	C	61.57810	37.19340	121.03000	C	53.73490	48.78810	134.41300
O	-163.90200	-67.29000	30.33780	C	61.06680	36.93800	119.56500	C	52.54790	49.23100	135.28900
C	-164.55300	-68.31890	29.57690	C	60.59860	38.00400	118.49700	O	52.51150	50.66480	135.29900
C	-165.63000	-68.97660	30.46300	C	59.81650	37.14510	117.51600	C	51.51280	51.15910	136.20100
O	-166.28500	-70.00900	29.71190	O	59.79610	35.92650	117.58500	C	51.48600	52.69670	136.10800
C	-167.30100	-70.65720	30.49090	C	59.37280	32.45750	124.44100	O	50.62820	53.20890	137.13700
C	-147.31500	-53.23620	14.19810	C	60.20800	34.11850	120.58800	C	50.61660	54.64300	137.14000
C	-150.16700	-51.19110	15.25060	O	58.93510	34.49570	120.74300	C	49.68270	55.13920	138.26000
C	-150.28500	-53.60800	14.88240	C	58.09460	33.95880	119.70800	O	49.66050	56.57310	138.23300
O	-150.91400	-53.67730	16.05760	C	56.68240	34.56640	119.81200	C	48.80720	57.10250	139.25700
C	-150.97100	-55.01970	16.56050	O	56.80930	35.99160	119.70600	C	48.82060	58.64060	139.16300
C	-151.67000	-54.97810	17.93170	C	55.53020	36.64130	119.70800	O	47.96340	59.17560	140.18200
O	-151.98100	-56.30860	18.37160	C	55.76460	38.16230	119.62600	C	47.93540	60.60910	140.14000
C	-152.71100	-56.28170	19.60750	O	54.50420	38.84680	119.63900	O	58.34070	35.75900	123.58400
C	-153.03500	-57.71890	20.05970	C	54.68900	40.26850	119.57200	C	56.97440	36.17820	123.46600
O	-153.83400	-57.64030	21.24820	C	53.31210	40.96020	119.59900	C	56.88880	37.69120	123.75700
C	-154.14600	-58.94070	21.76630	O	53.51050	42.38040	119.54900	O	57.58140	37.96990	124.98500
C	-155.04700	-58.76050	23.00340	C	52.26130	43.08520	119.58000	C	57.53520	39.36240	125.34400
O	-155.34000	-60.04060	23.58130	C	52.54450	44.59960	119.53200	C	56.18680	39.77340	125.97300
C	-156.21300	-59.90990	24.71320	O	51.29830	45.30940	119.57800	O	56.31760	41.11960	126.45400
C	-156.40100	-61.29100	25.37080	C	51.50490	46.72900	119.54400	C	55.12760	41.56310	127.12200
O	-157.25300	-61.12990	26.51420	C	50.13640	47.43590	119.60100	C	55.32750	43.03010	127.55100
C	-157.56000	-62.37560	27.16220	O	50.34550	48.85530	119.57700	O	54.17210	43.48320	128.27100
C	-156.34400	-63.03700	27.84510	C	49.10150	49.56810	119.63300	C	54.29470	44.86710	128.63300
O	-156.83900	-64.11380	28.65310	C	49.39190	51.08170	119.60700	C	53.04690	45.29470	129.43000
C	-155.78200	-64.79990	29.33810	O	48.14880	51.79570	119.66800	O	53.12340	46.70370	129.69200
C	-156.41700	-65.92710	30.17630	C	48.36000	53.21480	119.64900	C	52.00840	47.15210	130.47600
O	-155.39000	-66.65530	30.86530	C	46.99370	53.92490	119.71900	C	52.08340	48.68470	130.62400
C	-155.95100	-67.71290	31.65770	O	47.20570	55.34390	119.70200	O	50.99380	49.12670	131.44700
C	-154.80900	-68.46820	32.36470	C	45.96310	56.05870	119.76600	C	50.99280	50.55440	131.59400
O	-155.36100	-69.52260	33.16580	C	46.25560	57.57200	119.74600	C	49.79540	50.96820	132.47300
C	-154.32600	-70.25230	33.83900	O	45.01340	58.28780	119.81000	O	49.76890	52.39890	132.58200
C	-154.96300	-71.36910	34.68900	C	45.22680	59.70650	119.79500	C	48.68810	52.84280	133.41600
O	-155.69500	-72.24850	33.82380	C	62.59840	34.13950	121.16400	C	48.71610	54.38280	133.48800
C	-156.31300	-73.31210	34.56220	O	60.58010	33.47890	119.61700	O	47.74970	54.82280	134.45400
C	60.83910	34.22400	129.74600	O	63.07310	32.03940	127.79000	C	47.75250	56.25210	134.58600
C	60.48650	33.39630	127.30600	C	64.50530	31.95450	127.85400	C	46.71330	56.65830	135.65000
C	61.08530	34.47390	126.34400	C	65.02100	30.97120	126.78700	O	46.74620	58.08340	135.81600
C	62.51210	34.13240	125.85200	O	66.45200	30.93420	126.88500	C	45.78140	58.51990	136.78400
O	59.57520	32.62360	131.67500	C	67.02750	30.07760	125.89000	C	63.11780	37.35680	121.17800
C	59.32390	32.71740	133.08400	C	68.54760	29.99510	126.12900	C	60.90200	38.38040	121.67000
C	60.13210	33.89280	133.66500	O	69.10210	28.99520	125.26200	O	59.68500	38.46910	121.64300
O	59.72690	35.11250	133.02700	C	70.50910	28.83250	125.48900	O	61.59320	38.98010	122.64500
C	60.39700	36.23920	133.60900	C	71.03200	27.67780	124.61200	C	60.72680	39.80700	123.43500
C	59.93220	37.54240	132.93000	O	72.40960	27.44500	124.93700	C	61.47530	40.53350	124.56700
O	60.48020	38.63310	133.68300	C	72.95530	26.35450	124.18200	O	60.50550	41.40740	125.15900
C	60.09200	39.90430	133.14600	C	74.39710	26.09730	124.66300	C	61.01800	42.10500	126.29900
C	60.63600	40.99310	134.09100	O	74.96650	25.02650	123.89700	C	59.92590	43.10510	126.72600
O	60.22260	42.29380	133.64700	C	76.30110	24.72530	124.33100	O	60.32280	43.80120	127.91500
C	60.66560	43.30720	134.56200	C	76.85040	23.58030	123.45800	C	59.36650	44.81700	128.25000
C	60.21850	44.69830	134.07300	O	78.18380	23.25500	123.87800	C	59.75330	45.47150	129.59000
O	60.63170	45.66390	135.05100	C	78.73340	22.20170	123.07300	O	58.80000	46.50530	129.87300
C	60.26390	46.99760	134.67100	C	80.16210	21.87660	123.55100	C	59.06970	47.13110	131.13400
C	60.72200	47.96020	135.78500	O	80.69270	20.84380	122.70800	C	58.03270	48.24410	131.37600
O	60.39860	49.30620	135.40500	C	82.02650	20.48440	123.09300	O	58.28490	48.83250	132.65900
C	60.65240	50.25620	136.45400	C	82.53960	19.38380	122.14300	C	57.31570	49.84210	132.97200
C	62.14500	50.36410	136.83400	O	83.87610	19.01650	122.51600	C	57.61090	50.38740	134.38300
O	62.31490	51.50890	137.68300	C	84.39760	18.00110	121.64600	O	56.51570	51.21110	134.80400
C	63.68780	51.67980	138.06400	C	85.83030	17.63980	122.08500	C	56.75150	51.78100	136.10000
C	63.80360	52.92280	138.96800	O	86.35240	16.63430	121.20500	C	55.47830	52.54240	136.51600
O	65.17620	53.09440	139.35000	C	87.68760	16.26110	121.57500	O	55.68060	53.22190	137.76500
C	65.34410	54.24150	140.19500	O	60.05070	36.26290	127.58900	C	54.48280	53.90320	138.16700
C	66.83350	54.37230	140.57000	C	60.21650	37.58800	128.11500	C	54.70250	54.69690	139.46900
O	67.00230	55.51940	141.41600	C	58.90480	38.03910	128.78500	O	53.46250	55.34950	139.77800
C	68.37500	55.68980	141.79700	O	59.05420	39.40660	129.19400	C	53.55780	56.14380	140.96800
C	60.11540	34.81630	125.15800	C	57.88830	39.87650	129.88300	C	52.18500	56.80010	141.21500
C	59.77760	33.87090	123.94700	C	58.08260	41.36180	130.24700	O	52.25390	57.61910	142.39200
C	58.51300	34.45270	123.34300	O	56.94820	41.79720	131.00900	C	50.99570	58.25590	142.65700
O	57.54680	33.74270	123.11300	C	57.06270	43.17820	131.37900	C	59.49680	38.96790	119.01400
C	61.18730	35.79620	127.06400	C	55.81950	43.56910	132.20100	C	61.56990	38.72380	117.48800
O	62.22570	36.43800	127.08500	O	55.86670	44.97550	132.47700	C	62.91930	39.41490	117.85500
C	60.92230	33.63190	122.90100	C	54.75020	45.38830	133.27800	C	63.97420	38.28540	117.99600
C	61.18540	34.54370	121.66000	C	54.82170	46.91610	133.45900	C	63.43130	40.20080	116.66700

O	64.61940	40.19960	116.38500	C	59.34140	43.70700	103.20300	C	70.81670	-44.24800	-111.48600
C	62.84580	40.28130	119.14800	O	58.14440	44.02640	102.47900	C	70.78990	-42.83110	-112.09200
C	62.54000	41.81210	119.13200	C	58.07830	43.31570	101.23400	O	69.46440	-42.29540	-111.96700
C	62.15210	42.13600	120.60000	C	56.76510	43.68640	100.51700	C	69.38130	-40.97310	-112.51700
O	62.51080	40.50170	115.74300	O	56.53630	42.75100	99.45260	O	72.12330	-68.00470	-107.10000
C	63.08560	40.96740	114.51600	C	55.30450	43.02850	98.77110	C	71.92370	-66.74720	-106.43800
C	61.96070	41.46970	113.58700	C	55.08210	41.96670	97.67620	C	72.74180	-65.68220	-107.19200
O	60.97480	40.44150	113.41600	O	53.87400	42.27860	96.96860	O	72.38670	-64.36880	-106.73500
C	59.87690	40.87010	112.59100	C	53.62110	41.33280	95.91960	C	73.07710	-63.35920	-107.48600
C	60.23580	40.95510	111.09300	C	52.33210	41.75030	95.18490	C	72.67250	-61.95960	-106.98400
O	58.99930	41.05500	110.37300	O	52.10660	40.86010	94.08240	O	73.31390	-60.98400	-107.81700
C	59.20420	41.07910	108.95400	C	50.92820	41.22720	93.35090	C	73.02300	-59.64580	-107.39000
C	57.81630	41.09040	108.28400	C	59.97700	43.90990	117.05000	C	73.70290	-58.66960	-108.37000
O	57.95680	41.01740	106.85900	O	60.16660	44.86290	116.31100	O	73.47890	-57.31790	-107.94500
C	56.67590	40.90640	106.22000	C	61.91660	44.77900	118.26900	C	74.06610	-56.38270	-108.86200
C	56.87790	40.78330	104.69800	O	59.09240	42.95000	116.76600	C	73.90820	-54.95520	-108.30300
O	55.63420	40.38750	104.09900	C	58.38510	43.24290	115.55300	O	74.52680	-54.04410	-109.22400
C	55.66090	40.46360	102.66400	C	57.44580	42.07870	115.18400	C	74.37270	-52.66820	-108.83800
C	56.73630	39.57460	102.00100	O	56.86670	42.39520	113.91000	C	75.14740	-52.29280	-107.55600
O	56.56370	39.65360	100.57900	C	56.00450	41.35280	113.43600	O	75.11530	-50.86330	-107.44000
C	57.51350	38.82920	99.88850	C	55.49860	41.76950	112.04100	C	75.81360	-50.40480	-106.27400
C	57.27720	38.96810	98.37210	O	54.69120	40.72720	111.47400	C	75.72540	-48.86610	-106.24600
O	58.19760	38.12060	97.67060	C	54.23560	41.09420	110.16300	O	76.39530	-48.36330	-105.08100
C	58.00740	38.21020	96.25120	C	53.43350	39.93880	109.53500	C	76.33290	-46.93020	-105.02800
C	59.01660	37.27960	95.55060	O	53.12960	40.30810	108.18200	C	77.05440	-46.44450	-103.75600
O	58.82130	37.36720	94.13180	C	52.40170	39.27870	107.49900	O	77.00510	-45.01190	-103.69900
C	59.73590	36.51710	93.42490	C	52.17570	39.73440	106.04400	C	77.66540	-44.52140	-102.52400
C	59.47680	36.65360	91.91150	O	51.52870	38.68090	105.31600	C	77.59250	-42.98210	-102.50600
O	60.39060	35.80320	91.20370	C	51.35210	39.03440	103.93700	O	76.21390	-42.58430	-102.49300
C	60.19340	35.89030	89.78530	C	50.63450	37.87990	103.21000	C	76.08290	-41.15570	-102.47600
O	59.36020	37.77120	116.42700	O	50.50380	38.22730	101.82300	C	71.36390	-73.58900	-111.49200
C	58.79530	36.85290	115.47900	C	49.99540	37.14720	101.02200	C	71.56370	-70.97260	-111.68200
C	58.45430	37.63440	114.19800	C	48.55610	36.73300	101.39600	C	72.66080	-70.98000	-112.80200
O	57.92770	36.73950	113.20700	O	48.06450	35.84590	100.38100	C	73.05100	-69.52460	-112.87500
C	57.66550	37.43020	111.97600	C	46.71880	35.42970	100.65400	O	72.83650	-68.85360	-113.87200
C	57.11750	36.44170	110.92900	C	46.25100	34.48580	99.52910	C	72.08280	-71.33200	-114.19700
O	56.89030	37.16970	109.71500	O	44.90460	34.07000	99.80000	C	73.89130	-71.85330	-112.39400
C	56.38830	36.32270	108.67200	C	44.41550	33.18650	98.78060	C	75.27060	-71.73170	-113.12000
C	56.16580	37.20110	107.42600	C	42.97040	32.77640	99.12590	C	75.92060	-70.33450	-112.98400
O	55.63490	36.41460	106.34900	O	42.48030	31.89290	98.10680	O	69.44570	-71.91800	-113.35900
C	55.39190	37.22900	105.19200	C	41.13400	31.47810	98.37830	C	68.14090	-71.92020	-113.95500
C	54.81520	36.36330	104.05600	O	64.42650	43.13340	119.72900	C	68.23280	-71.45960	-115.42200
O	54.53120	37.21480	102.93600	C	70.42060	-69.90530	-108.41400	O	69.06010	-72.37030	-116.16100
C	54.02290	36.46750	101.82300	C	69.53900	-70.92400	-109.22200	C	69.05190	-72.04920	-117.55900
C	53.70890	37.44120	100.67000	C	70.32240	-72.15310	-109.78200	C	69.94290	-73.04220	-118.33000
O	53.10850	36.70470	99.59610	C	70.68470	-72.21040	-111.29900	O	69.73140	-72.82530	-119.73200
C	52.80070	37.55500	98.48240	C	69.39530	-72.28560	-112.07900	C	70.53930	-73.69980	-120.53100
C	52.12940	36.69640	97.39310	O	68.34220	-72.57440	-111.53300	C	70.17120	-73.48310	-122.01200
O	51.80210	37.52180	96.26590	C	72.86460	-70.52770	-107.80200	O	70.94310	-74.36810	-122.83700
C	51.16790	36.75450	95.23230	C	68.84430	-70.13330	-110.31700	C	70.58530	-74.22380	-124.21900
C	50.83120	37.67660	94.04460	O	67.66580	-70.31230	-110.58200	C	71.44450	-75.16810	-125.08300
O	50.19030	36.89460	93.02630	C	68.34760	-71.44330	-108.36300	O	71.04930	-75.00640	-126.45200
C	49.84770	37.69600	91.88690	O	69.41610	-68.96430	-110.61800	C	71.82730	-75.83210	-127.33000
C	49.16280	36.80180	90.83470	C	68.60560	-68.14010	-111.46600	C	71.32970	-75.61040	-128.77200
O	48.82000	37.60310	89.69470	C	69.35630	-66.80490	-111.63400	O	72.14110	-76.38110	-129.67200
C	48.17700	36.81930	88.67960	O	69.54620	-66.26700	-110.31700	C	71.64730	-76.36080	-131.02200
C	61.39740	42.23050	118.16200	C	70.37110	-65.09100	-110.30000	C	71.67510	-74.95620	-131.66300
C	60.83090	43.67540	118.26900	C	69.73850	-63.88780	-111.02900	O	71.41740	-75.09410	-133.06800
Br	59.68560	43.88410	119.73200	O	70.49570	-62.71930	-110.68300	C	71.44300	-73.82270	-133.73300
C	63.82580	42.55010	118.84100	C	69.94850	-61.53730	-111.28400	C	71.16310	-74.03840	-135.23300
O	64.19600	42.64700	117.56000	C	70.79170	-60.32830	-110.83400	O	71.18940	-72.76750	-135.89900
C	65.37790	43.45330	117.41600	O	70.23570	-59.12830	-111.39200	C	70.93400	-72.90800	-137.30400
C	65.77490	43.54980	115.92900	C	70.98150	-57.97480	-110.97800	C	70.97550	-71.51440	-137.96100
O	64.69570	44.14690	115.19600	C	70.35670	-56.70140	-111.57900	O	70.72070	-71.65390	-139.36700
C	64.98460	44.20660	113.79100	O	71.09370	-55.57420	-111.08600	C	70.74770	-70.38270	-140.03100
C	63.74480	44.75190	113.05500	C	70.59560	-54.34090	-111.62200	C	76.25440	-72.89130	-112.73200
O	63.85970	44.43180	111.66100	C	71.40830	-53.18670	-111.00400	C	76.97770	-73.05840	-111.34500
C	62.68980	44.82850	110.93100	O	70.95610	-51.93910	-111.54900	C	77.45260	-74.49890	-111.32600
C	62.83610	44.34900	109.47300	C	71.68500	-50.83520	-110.99300	O	77.24520	-75.21220	-110.35700
O	61.65060	44.69090	108.74100	C	71.16750	-49.52390	-111.61600	C	75.08210	-71.97010	-114.59700
C	61.71650	44.20870	107.39000	O	71.90110	-48.42560	-111.05500	O	75.54360	-71.21090	-115.43500
C	60.42340	44.60270	106.65000	C	71.46660	-47.17110	-111.59900	C	78.10990	-72.02310	-111.01900
O	60.45990	44.04760	105.32700	C	72.30910	-46.04510	-110.96100	C	79.61650	-72.22020	-111.38600
C	59.28200	44.39140	104.58300	O	72.14670	-44.77390	-111.61400	C	79.81040	-72.75610	-112.83500

C	81.20050	-72.79170	-113.56300	C	70.55540	-82.01800	-127.10500	C	84.22610	-72.83220	-115.89100
C	82.34500	-73.31530	-112.62000	C	69.43590	-82.93730	-127.62900	C	84.68930	-73.65100	-117.13700
C	83.59250	-74.20780	-113.00000	O	69.96370	-83.71130	-128.71600	C	83.36810	-74.00980	-117.86900
C	84.03840	-74.72400	-111.64100	C	68.94860	-84.52050	-129.32400	O	87.36240	-73.50310	-114.67100
O	83.55090	-74.32290	-110.59600	C	69.58380	-85.35530	-130.45300	C	88.76390	-73.22550	-114.78000
C	75.96520	-72.94960	-110.17500	O	68.53220	-85.99350	-131.19200	C	89.55940	-74.52350	-114.52900
C	80.21610	-73.11800	-110.32900	C	69.04570	-86.73260	-132.30800	O	89.17100	-75.09690	-113.27300
O	79.92450	-74.42000	-110.40600	C	67.86890	-87.41600	-133.03100	C	89.84970	-76.33690	-113.00600
C	80.51230	-75.16230	-109.32500	O	68.39010	-88.24250	-134.08200	C	91.32950	-76.15050	-112.61100
C	80.28950	-76.67080	-109.54900	C	67.34180	-88.95020	-134.75800	O	91.77360	-77.39740	-112.05800
O	80.87830	-77.02250	-110.80900	C	67.96330	-89.80720	-135.87800	C	93.12820	-77.32730	-111.59300
C	80.77820	-78.43030	-111.06800	O	66.91510	-90.50880	-136.56200	C	93.46490	-78.68190	-110.94000
C	81.38160	-78.70810	-112.45900	C	67.43780	-91.32570	-137.61900	O	94.77890	-78.63990	-110.36600
O	81.25350	-80.10270	-112.76900	O	77.60310	-75.04450	-112.54000	C	95.06610	-79.84980	-109.64800
C	81.79400	-80.39490	-114.06600	C	77.59990	-76.47820	-112.51700	C	96.46470	-79.74280	-109.01200
C	81.62620	-81.89900	-114.35600	C	77.75910	-77.00680	-113.95800	O	96.62530	-80.81600	-108.07100
O	82.15870	-82.17790	-115.65900	O	76.79570	-76.34960	-114.79700	C	97.97460	-80.93500	-107.59100
C	82.02620	-83.56700	-115.99300	C	76.84530	-76.79720	-116.16400	C	98.50450	-79.67600	-106.87000
C	82.61020	-83.79760	-117.40100	C	76.23470	-78.20230	-116.35100	O	99.80200	-79.98110	-106.33900
O	82.47310	-85.18460	-117.74100	O	75.99950	-78.40840	-117.75200	C	100.35300	-78.86450	-105.62600
C	82.99970	-85.45520	-119.04800	C	75.45340	-79.71080	-118.00700	C	101.74500	-79.25740	-105.09400
C	82.82260	-86.95450	-119.35900	C	75.14730	-79.83990	-119.51300	O	102.29300	-78.16160	-104.34800
O	83.34600	-87.22230	-120.66800	O	74.65360	-81.16020	-119.78100	C	103.58800	-78.48650	-103.82400
C	83.20600	-88.60790	-121.01400	C	74.29850	-81.31740	-121.16200	C	104.12500	-77.27850	-103.03100
C	83.78280	-88.83090	-122.42600	C	73.80540	-82.76070	-121.38500	O	105.41900	-77.60690	-102.50400
O	83.64140	-90.21590	-122.77300	O	73.38000	-82.91490	-122.74700	C	105.96900	-76.51560	-101.75300
C	84.16300	-90.48150	-124.08300	C	72.96270	-84.26300	-123.01000	C	107.35300	-76.92840	-101.21400
C	83.98300	-91.97940	-124.39900	C	72.47960	-84.37520	-124.46900	O	107.90500	-75.83810	-100.46100
O	84.50400	-92.24430	-125.71000	O	72.15400	-85.74650	-124.74200	C	109.19800	-76.16870	-99.93380
C	84.36230	-93.62900	-126.05800	C	71.69730	-85.92040	-126.09100	O	85.16170	-75.44790	-111.63300
C	84.93750	-93.84990	-127.47100	C	71.38860	-87.41190	-126.33000	C	85.60580	-75.73420	-110.29800
O	84.79600	-95.23450	-127.82100	O	70.93390	-87.57700	-127.68100	C	86.98120	-76.41930	-110.38700
C	85.31690	-95.49800	-129.13200	C	70.64500	-88.95130	-127.97800	O	87.48110	-76.68220	-109.06800
C	80.25100	-70.81620	-111.20600	C	70.16990	-89.03550	-129.44100	C	88.79400	-77.25970	-109.12000
O	80.97330	-72.67300	-109.48100	O	69.89480	-90.39820	-129.79900	C	89.30990	-77.51720	-107.69100
O	73.61730	-69.00990	-111.78000	C	69.43910	-90.48790	-131.15800	O	90.62670	-78.07580	-107.79400
C	73.90610	-67.61320	-111.94400	C	69.15780	-91.95770	-131.52400	C	91.19600	-78.33850	-106.50400
C	74.66320	-67.09120	-110.70900	O	68.69410	-92.00210	-132.88200	C	92.59300	-78.94810	-106.72700
O	74.93470	-65.69760	-110.91500	C	68.40880	-93.34540	-133.29600	O	93.20760	-79.26090	-105.46900
C	75.68230	-65.14040	-109.82600	C	81.44710	-71.38790	-114.18600	C	94.49680	-79.86140	-105.66400
C	75.83810	-63.62450	-110.05500	C	80.88230	-73.76600	-114.67000	C	95.13010	-80.19460	-104.29900
O	76.42560	-63.03690	-108.88500	O	80.69250	-74.94130	-114.40100	O	96.38880	-80.84380	-104.53000
C	76.53800	-61.61320	-109.01900	O	80.32000	-73.23160	-115.75900	C	97.05430	-81.15230	-103.29700
C	77.07610	-61.02460	-107.69900	C	79.67320	-74.24890	-116.53700	C	98.37870	-81.87500	-103.61300
O	77.06990	-59.59380	-107.80100	C	79.02300	-73.69170	-117.81600	O	98.99290	-82.27030	-102.37900
C	77.52580	-58.97460	-106.59000	O	78.51960	-74.83890	-118.51200	C	100.24000	-82.94210	-102.60400
C	77.38380	-57.44650	-106.73700	C	77.83110	-74.49080	-119.71900	C	100.81400	-83.36300	-101.23700
O	77.86080	-56.80960	-105.54400	C	77.47090	-75.81630	-120.41700	O	102.06000	-84.04680	-101.43000
C	77.71670	-55.38360	-105.62000	O	76.77080	-75.55460	-121.64100	C	102.62100	-84.46030	-100.17600
C	78.25990	-54.76820	-104.31500	C	76.52810	-76.77200	-122.36000	C	103.95400	-85.19150	-100.42800
O	78.11880	-53.34090	-104.36500	C	75.72590	-76.45670	-123.63700	O	104.49500	-85.60480	-99.16560
C	78.63210	-52.73120	-103.17200	O	75.53520	-77.67750	-124.36500	C	105.74200	-86.29590	-99.33000
C	78.46210	-51.20190	-103.25800	C	74.75840	-77.45940	-125.55000	C	106.26800	-86.71460	-97.94310
O	79.01280	-50.62090	-102.06700	C	74.62170	-78.78900	-126.31600	O	107.51500	-87.40610	-98.10720
C	78.88900	-49.19210	-102.07400	O	73.82250	-78.55930	-127.48500	C	108.05200	-87.82090	-96.84330
C	79.50880	-48.63190	-100.77900	C	73.61910	-79.76850	-128.22800	C	85.49350	-74.93990	-116.79900
O	79.39290	-47.20110	-100.77500	C	72.70590	-79.45220	-129.42900	C	85.76530	-75.96100	-117.94000
C	79.97220	-46.63650	-99.58880	O	72.28600	-80.67830	-130.04200	Br	84.25820	-76.99000	-118.34700
C	79.82270	-45.10280	-99.62950	C	71.47430	-80.43640	-131.20100	C	85.46460	-72.72830	-118.04800
O	80.41460	-44.54130	-98.44920	C	70.93390	-81.79420	-131.68800	O	86.74930	-72.51460	-117.74800
C	80.29880	-43.11120	-98.43860	O	70.20300	-81.63750	-132.91500	C	87.39130	-71.69900	-118.74300
O	74.44420	-73.09660	-114.92800	C	69.64490	-82.89230	-133.33300	C	88.87120	-71.47920	-118.37000
C	74.45180	-73.31100	-116.34600	C	68.93760	-82.75760	-134.69500	O	89.52720	-72.75320	-118.29800
C	73.61800	-74.56260	-116.68000	O	68.40900	-84.04930	-135.02800	C	90.89790	-72.61670	-117.89300
O	73.78420	-74.84750	-118.07600	C	67.76520	-84.04870	-136.31000	C	91.50490	-74.02380	-117.72500
C	72.95550	-75.94120	-118.49100	C	67.21910	-85.46620	-136.57200	O	92.70280	-73.91800	-116.94300
C	73.22650	-76.23390	-119.98000	O	66.61050	-85.51090	-137.87100	C	93.26790	-75.20790	-116.66800
O	72.25840	-77.18560	-120.44200	C	66.09160	-86.81780	-138.15700	C	94.47750	-75.02270	-115.73000
C	72.47940	-77.53370	-121.81600	C	83.21880	-75.52760	-113.72800	O	95.02310	-76.30860	-115.40200
C	71.37060	-78.50610	-122.26200	C	84.96330	-73.63070	-113.51800	C	96.11630	-76.18930	-114.48000
O	71.69120	-79.00930	-123.56600	C	85.13790	-72.57530	-114.65400	C	96.66420	-77.59450	-114.16200
C	70.68240	-79.91380	-124.03800	C	84.85000	-71.18880	-114.01900	O	97.70080	-77.47530	-113.17600
C	71.13440	-80.48990	-125.39300	C	86.59880	-72.46620	-115.03500	C	98.25730	-78.75580	-112.84600
O	70.12850	-81.38420	-125.89100	O	87.09870	-71.37890	-115.27800	C	99.30800	-78.57480	-111.73300

O	99.83460	-79.86320	-111.38400	O	-177.51000	-36.17160	18.36400	O	-152.33800	-41.29740	15.85460
C	100.72500	-79.77970	-110.26200	C	-178.42500	-36.79140	19.27880	C	-153.29800	-40.23040	15.95150
C	101.24000	-81.19390	-109.92700	C	-152.95400	-47.15810	15.74180	C	-153.46100	-39.44990	14.62960
O	101.85400	-81.17010	-108.63000	C	-152.99400	-46.25560	17.01790	O	-154.56000	-38.54090	14.78820
C	102.32000	-82.47290	-108.25000	C	-151.87500	-45.15490	17.00200	C	-154.83100	-37.81880	13.57800
C	102.92200	-82.40150	-106.83300	C	-150.33400	-45.41070	17.18660	C	-155.97900	-36.82670	13.84960
O	103.42900	-83.69620	-106.48100	C	-149.85900	-45.82650	18.62250	O	-156.30900	-36.12800	12.64040
C	104.02200	-83.68980	-105.17400	C	-149.46000	-44.81510	19.74520	C	-157.33300	-35.14840	12.86900
C	104.57300	-85.09880	-104.88000	C	-148.03700	-44.38810	19.46570	C	-157.67400	-34.45070	11.53740
O	105.24000	-85.09060	-103.60900	O	-147.11300	-44.79880	20.14930	O	-158.61600	-33.39850	11.79240
C	105.79500	-86.37830	-103.30500	C	-154.58000	-48.90860	16.57000	C	-159.00900	-32.74190	10.57870
C	86.79480	-76.93480	-117.42900	O	-153.65000	-49.64780	17.18240	C	-159.92500	-31.55160	10.92690
O	87.83430	-77.14280	-118.03500	C	-154.21500	-50.41380	18.25770	O	-160.35600	-30.92430	9.70986
C	86.35260	-75.32790	-119.22500	C	-153.09800	-51.14290	19.02710	C	-161.18800	-29.78520	9.97299
O	86.55620	-77.45300	-116.22100	O	-153.71400	-51.87960	20.09360	C	-161.60600	-29.14760	8.63283
C	87.62970	-78.30820	-115.80500	C	-152.74000	-52.55380	20.90080	O	-162.40100	-27.98250	8.89798
C	87.38690	-78.81470	-114.37000	C	-153.47500	-53.41440	21.94640	C	-162.84500	-27.36110	7.68263
O	88.54750	-79.56540	-113.98800	O	-152.51700	-54.23600	22.63000	C	-163.68800	-26.11940	8.03791
C	88.45560	-80.05060	-112.64200	C	-153.15900	-55.10620	23.57310	O	-164.27600	-25.59500	6.83826
C	89.77530	-80.77890	-112.32000	C	-152.10200	-56.03720	24.19990	C	-165.09900	-24.45150	7.11320
O	89.77800	-81.22120	-110.95500	O	-152.77100	-56.98170	25.04750	C	-165.71700	-23.95090	5.79272
C	91.01290	-81.88010	-110.63700	C	-151.84900	-57.90820	25.63900	O	-166.57500	-22.83490	6.07142
C	91.03470	-82.28250	-109.15000	C	-152.65000	-58.95140	26.44320	C	-167.16400	-22.31530	4.87065
O	92.34030	-82.80240	-108.86100	O	-151.74000	-59.86980	27.06340	O	-148.75400	-44.21700	15.85770
C	92.46980	-83.18270	-107.48400	C	-152.44000	-60.88390	27.79920	C	-149.42800	-45.66000	21.04550
C	93.91460	-83.66800	-107.25400	C	-151.40200	-61.82100	28.44620	C	-150.46400	-43.63100	19.86020
O	94.09310	-83.96940	-105.86300	O	-152.07800	-62.84960	29.18360	C	-150.45600	-42.60670	21.04940
C	95.44350	-84.36740	-105.58600	C	-151.13900	-63.73220	29.81480	C	-151.25400	-43.23530	22.22710
C	95.57210	-84.70000	-104.08700	C	-151.89800	-64.82380	30.59450	C	-151.28100	-41.49920	20.44280
O	96.93700	-85.05350	-103.81500	O	-150.93300	-65.66880	31.23710	O	-152.60500	-41.62230	20.58820
C	97.20240	-85.22180	-102.41200	C	-151.56600	-66.71530	31.98590	C	-153.29100	-40.77080	19.65910
C	96.42440	-86.39520	-101.77900	C	-150.47700	-67.57550	32.65760	C	-154.82100	-40.86460	19.79220
O	96.95530	-86.63170	-100.46700	O	-151.09800	-68.62620	33.41340	O	-155.33800	-39.86620	18.90310
C	96.28800	-87.72500	-99.82030	C	-150.11700	-69.44450	34.06800	C	-156.76800	-39.87650	18.83770
C	96.90560	-87.92880	-98.42290	C	-150.82900	-70.55610	34.86370	C	-157.17400	-38.66580	17.97510
O	96.24090	-89.02310	-97.77530	O	-149.84500	-71.36360	35.52660	O	-158.59600	-38.63800	17.79150
C	96.77760	-89.25920	-96.46570	C	-150.46000	-72.41760	36.28150	C	-158.99400	-37.45020	17.09130
C	96.02610	-90.44180	-95.82340	C	-154.25600	-45.42760	17.01410	C	-160.50600	-37.49750	16.80570
O	96.56230	-90.67880	-94.51350	O	-154.45000	-44.66600	15.93330	O	-160.87300	-36.28020	16.14160
C	95.89720	-91.77330	-93.86700	C	-155.58900	-43.80660	16.08950	C	-162.26500	-36.27220	15.80030
O	84.96420	-72.29900	-119.07600	C	-155.81600	-43.01890	14.78540	C	-162.60800	-34.93680	15.11300
O	-149.80700	-54.59240	14.34160	O	-156.87900	-42.07970	15.00560	O	-163.99100	-34.95790	14.73650
C	-152.07600	-52.20080	11.14320	C	-157.18800	-41.35100	13.81010	C	-164.36300	-33.76150	14.03830
C	-152.15400	-50.03870	12.46060	C	-158.29300	-40.32150	14.11970	C	-165.84000	-33.87710	13.61400
C	-153.22400	-48.98960	12.89520	O	-158.65400	-39.65950	12.89990	O	-166.15100	-32.80840	12.71060
C	-152.56300	-47.61400	12.63210	C	-159.68000	-38.68120	13.11710	C	-167.52900	-32.84080	12.30960
C	-153.65100	-49.24610	14.38040	C	-160.02300	-38.02370	11.76650	C	-167.73500	-31.73860	11.25300
C	-154.12500	-48.12220	15.36540	O	-160.96300	-36.96410	11.98940	O	-169.11900	-31.65030	10.87800
C	-155.38700	-47.38230	14.85070	C	-161.35100	-36.34180	10.75600	C	-169.30400	-30.64580	9.86923
C	-154.37200	-49.07020	11.91900	C	-162.28900	-35.16390	11.08120	C	-170.79200	-30.48710	9.50617
O	-155.56600	-48.69570	12.37460	O	-162.70300	-34.52450	9.86544	O	-170.87500	-29.45830	8.50924
C	-156.59800	-48.92950	11.40750	C	-163.54200	-33.39270	10.13950	C	-172.22800	-29.20660	8.11041
C	-157.95500	-48.51230	12.00470	C	-163.97600	-32.73510	8.81589	C	-172.21400	-28.09350	7.04390
O	-157.92100	-47.11710	12.33900	O	-164.69200	-31.53270	9.12907	O	-173.55900	-27.80500	6.63780
C	-159.20000	-46.67570	12.81450	C	-165.24600	-30.92900	7.95248	C	-173.59300	-26.76720	5.64734
C	-159.15400	-45.17100	13.14420	C	-165.93900	-29.61320	8.35649	C	-148.99700	-42.13630	21.40170
O	-160.49800	-44.75340	13.41880	O	-166.65500	-29.09950	7.22450	C	-148.52400	-40.70850	21.88580
C	-160.57400	-43.35430	13.72200	C	-167.37500	-27.90590	7.56158	C	-148.97400	-39.54980	20.95560
C	-162.06300	-42.99490	13.88590	C	-168.12300	-27.39710	6.31466	O	-150.82900	-40.84700	19.51590
O	-162.21500	-41.58780	14.12560	O	-168.81600	-26.18970	6.65999	O	-147.84800	-43.52620	18.46200
C	-163.60400	-41.23420	14.20980	C	-169.53800	-25.66190	5.53889	C	-146.45100	-43.26580	18.24430
C	-163.75300	-39.72250	14.46940	C	-170.24600	-24.36450	5.97508	C	-146.28400	-42.13270	17.21340
O	-165.15400	-39.41290	14.48380	O	-170.96500	-23.82880	4.85525	O	-146.96800	-40.97640	17.71800
C	-165.39000	-38.01970	14.73080	C	-171.64400	-22.61430	5.20439	C	-146.79500	-39.83990	16.85950
C	-166.91100	-37.77460	14.70370	C	-153.00400	-47.06060	18.33930	C	-147.58700	-38.66150	17.45850
O	-167.17000	-36.39180	14.99030	O	-155.00400	-45.39160	17.97830	O	-147.44800	-37.50830	16.61700
C	-168.55600	-36.04180	14.83440	O	-154.63300	-52.03160	11.48890	C	-148.18200	-36.39370	17.14430
C	-169.48700	-36.77010	15.82840	O	-154.23400	-49.58730	10.82170	C	-148.01200	-35.18430	16.20440
O	-170.78300	-36.15820	15.76700	O	-155.74700	-48.90860	16.92810	O	-148.76400	-34.08230	16.73280
C	-171.69900	-36.77820	16.68120	C	-149.84100	-46.54310	16.24800	C	-148.65300	-32.92300	15.89480
C	-173.06700	-36.07670	16.56960	C	-149.66700	-44.15140	16.66480	C	-149.48800	-31.78320	16.51180
O	-173.98300	-36.69580	17.48410	O	-150.44400	-43.06110	16.70810	O	-149.39200	-30.62540	15.66960
C	-175.27800	-36.08070	17.42320	C	-150.02800	-42.03650	15.79530	C	-150.15800	-29.53250	16.19580
C	-176.21500	-36.78640	18.42400	C	-150.98100	-40.83020	15.92900	C	-150.02200	-28.32360	15.24920

O	-150.79700	-27.23480	15.77240	C	-146.77500	-34.84840	22.22460	O	4.35060	98.44230	-25.35550
C	-150.71100	-26.07870	14.92680	O	-145.72400	-33.92990	22.55490	O	5.72977	106.40200	-29.55360
C	-151.56400	-24.94930	15.53760	C	-144.49800	-34.24970	21.88450	C	9.04731	105.84000	-29.45180
O	-151.48300	-23.79440	14.69000	C	-143.43200	-33.24540	22.36470	C	7.77431	108.10100	-29.70330
C	-152.26400	-22.70870	15.21100	O	-142.15600	-33.56240	21.78940	C	8.82290	109.25500	-29.69710
C	-152.13900	-21.50180	14.26020	C	-141.15000	-32.64810	22.25000	C	8.83883	109.93000	-28.34630
O	-152.92100	-20.41710	14.78070	C	-139.77200	-33.04330	21.68570	O	9.87206	110.74900	-28.13930
C	-152.84300	-19.26240	13.93260	O	-138.79400	-32.18530	22.29040	C	9.70277	111.54300	-26.95650
C	-153.70100	-18.13590	14.54190	C	-137.46600	-32.49410	21.84570	C	10.96420	112.41000	-26.78960
O	-153.62400	-16.98060	13.69400	C	-136.48200	-31.56980	22.59030	O	10.75510	113.40200	-25.77350
C	-154.40700	-15.89740	14.21490	O	-135.14000	-31.92290	22.22880	C	11.89160	114.27300	-25.66680
C	-148.48600	-40.25820	23.39440	C	-134.18300	-31.12970	22.94530	C	11.64560	115.33000	-24.57300
C	-149.64500	-40.42500	24.42550	C	-132.76300	-31.53420	22.50240	O	12.76720	116.22400	-24.56090
C	-149.32300	-39.65090	25.68610	O	-131.81500	-30.76480	23.25800	C	12.64240	117.22100	-23.53700
O	-148.40100	-38.69170	25.54580	C	-130.45700	-31.18260	23.04100	C	13.85810	118.16300	-23.63430
C	-147.91300	-38.20140	26.80060	C	-129.97500	-30.96820	21.59010	O	13.79600	119.14700	-22.59150
C	-147.00700	-36.97790	26.54990	O	-128.55400	-31.16890	21.55290	C	14.89440	120.06600	-22.68170
O	-145.97300	-37.32080	25.61580	C	-128.03100	-30.96970	20.23190	C	14.85370	121.02500	-21.47610
C	-145.12100	-36.20270	25.31050	C	-126.50600	-31.19540	20.26120	O	15.97510	121.91600	-21.57550
C	-144.14800	-35.84630	26.45370	O	-125.98100	-30.99480	18.94130	C	15.99300	122.91000	-20.53750
O	-143.15800	-34.96840	25.90040	C	-124.56000	-31.19230	18.90920	C	16.25460	122.33300	-19.12940
C	-142.15500	-34.61500	26.86250	C	-124.05600	-30.96340	17.47060	O	16.49930	123.44000	-18.25140
C	-141.10000	-33.75520	26.13930	O	-122.63500	-31.16060	17.43750	C	16.75790	123.01100	-16.90720
O	-140.01800	-33.45030	27.03030	C	-122.11000	-30.95940	16.11750	C	17.01200	124.26900	-16.05210
C	-138.96800	-32.75140	26.34480	C	-149.60100	-41.89840	24.91060	O	17.25710	123.88700	-14.69100
C	-137.81000	-32.48720	27.32600	C	-152.33300	-38.54200	25.34840	C	17.49980	125.03800	-13.86800
O	-136.66300	-32.05450	26.57840	O	-153.54700	-38.60670	25.46770	C	17.74490	124.57600	-12.41920
C	-135.60300	-31.56990	27.41990	C	-152.82600	-38.63790	22.93660	O	17.99680	125.71900	-11.59070
C	-135.06700	-32.61050	28.42760	O	-151.53900	-38.24710	26.38230	C	18.22710	125.32800	-10.23010
O	-133.94100	-32.03460	29.10430	C	-152.29600	-38.08540	27.59430	C	18.49720	126.58400	-9.37941
C	-133.36600	-32.95460	30.04330	C	-151.35300	-37.74060	28.76460	O	17.35270	127.44600	-9.45144
C	-132.17200	-32.27040	30.73690	O	-150.66400	-36.51870	28.46390	C	17.54700	128.63800	-8.67569
O	-131.56500	-33.19270	31.65260	C	-149.72300	-36.17830	29.49390	C	8.44533	110.46800	-30.62040
C	-130.43900	-32.60040	32.31630	C	-148.94300	-34.92360	29.05460	C	7.74279	110.34800	-32.01940
C	-129.82600	-33.63370	33.28180	O	-147.75200	-34.82130	29.84840	C	8.40159	109.31500	-32.98640
O	-128.69800	-33.04130	33.94080	C	-146.92900	-33.72490	29.42490	C	9.30665	109.82600	-34.15110
C	-128.08300	-33.96170	34.85410	C	-145.62100	-33.75030	30.24070	C	8.44286	110.63800	-35.08400
C	-126.88100	-33.27010	35.52720	O	-144.76300	-32.69120	29.79290	O	9.05883	111.58500	-35.78940
O	-126.26500	-34.18980	36.44040	C	-143.50500	-32.71400	30.48390	C	8.12829	112.37200	-36.54420
C	-125.13600	-33.59640	37.09730	C	-142.62400	-31.55910	29.96780	C	8.89524	113.46900	-37.30640
C	-147.03000	-40.76010	21.60720	O	-141.34000	-31.63730	30.60230	O	9.83864	112.85900	-38.19970
O	-146.32500	-39.69730	22.00580	C	-140.47700	-30.57710	30.16690	C	10.50790	113.85200	-38.98920
C	-144.91200	-39.90970	21.86640	C	-139.09200	-30.75610	30.82030	C	11.49750	113.18000	-39.96080
C	-144.18100	-38.71320	22.50140	O	-138.22400	-29.71310	30.35300	O	11.98220	114.19800	-40.84690
O	-142.76200	-38.91130	22.42160	C	-136.88200	-29.89660	30.82440	C	12.90310	113.67500	-41.81300
C	-142.05600	-37.84230	23.06850	C	-135.99900	-28.75840	30.27390	C	13.26930	114.82300	-42.77420
C	-140.53700	-38.09110	22.98070	O	-134.62000	-29.10730	30.46070	O	14.14050	114.34800	-43.81150
O	-139.87600	-37.01270	23.65560	C	-133.75000	-28.09560	29.93210	C	14.43040	115.39600	-44.74940
C	-138.45000	-37.16680	23.63570	C	-132.28600	-28.54310	30.11050	C	15.36770	114.87500	-45.85610
C	-137.84100	-35.95600	24.36840	O	-131.42300	-27.50590	29.62370	O	15.57680	115.94000	-46.79510
O	-136.40900	-36.03600	24.35880	C	-130.04100	-27.85680	29.78030	C	16.45140	115.54600	-47.86170
C	-135.82800	-34.89570	25.00990	C	-129.17800	-26.68570	29.27020	C	16.59840	116.73600	-48.83060
C	-134.29200	-35.00190	24.97860	O	-127.79300	-26.98700	29.49180	O	17.50400	116.37400	-49.88420
O	-133.74300	-33.82320	25.58510	C	-126.95100	-25.91030	29.05550	C	17.58090	117.37300	-50.91720
C	-132.31000	-33.87000	25.62360	O	-146.46500	-41.78410	21.25770	C	18.15700	118.71800	-50.42600
C	-131.78500	-32.56540	26.25450	O	-149.57100	-40.12090	26.78540	O	18.43570	119.53700	-51.57130
O	-130.35200	-32.57230	26.20030	C	-152.26100	-35.62570	24.69320	C	18.99100	120.80300	-51.18790
C	-129.79800	-31.38500	26.78450	Br	-152.06600	-35.77090	21.88960	C	19.26980	121.63100	-52.45780
C	-128.26400	-31.45540	26.65330	O	-150.10600	-34.14660	24.42310	O	19.82590	122.89700	-52.07500
O	-127.68000	-30.27550	27.22340	O	-1.87510	-23.17340	7.03054	C	20.10680	123.71300	-53.22170
C	-126.24900	-30.30400	27.11270	O	-5.79175	-16.44220	2.27645	C	20.69980	125.05400	-52.74770
C	-125.66300	-29.02090	27.73280	O	-6.06434	-7.30058	2.26018	O	20.98140	125.87100	-53.89390
O	-124.23400	-29.06300	27.60510	O	-8.51710	-0.11303	-2.80080	C	21.53740	127.13600	-53.51000
C	-123.62300	-27.89210	28.16450	O	-9.06432	8.99229	-2.18296	C	10.27440	108.75800	-29.94570
C	-122.09400	-27.99640	27.99360	O	-9.68639	16.49340	-7.35090	C	7.70285	111.74700	-32.61210
O	-121.48200	-26.82530	28.55290	O	-10.49850	25.56370	-6.58174	O	8.57991	112.60600	-32.08640
C	-120.05400	-26.86890	28.42090	O	-9.36979	33.20590	-11.45530	C	8.35434	113.96400	-32.48570
C	-151.04800	-40.06270	23.85290	O	-10.49450	42.25610	-10.92220	C	9.37976	114.82100	-31.71880
C	-151.68400	-38.64350	23.98800	O	-7.81799	49.90830	-15.13580	O	9.15875	114.58000	-30.32080
C	-150.69700	-37.46860	23.72660	O	-9.12460	58.94710	-15.20310	C	10.15090	115.18800	-29.47820
C	-151.28200	-36.03600	23.56630	O	-5.12219	66.50630	-18.42090	C	10.13470	116.73000	-29.52400
C	-150.12500	-35.07360	23.62850	O	-6.26427	75.50570	-19.43980	O	10.94190	117.20700	-28.43780
O	-149.07800	-35.37200	22.85450	O	-1.22475	82.84080	-21.53470	C	10.94930	118.64000	-28.37360
C	-148.01100	-34.43150	23.04390	O	-1.59101	91.62450	-23.97130	C	11.80360	119.06800	-27.16440

O	11.79150	120.50000	-27.05840	C	15.89880	107.11200	-53.91980	O	16.55580	103.80400	-33.24000
C	12.56070	120.93900	-25.92990	C	15.02340	106.89800	-55.17080	C	16.43010	102.43600	-32.81700
C	12.51980	122.47600	-25.83320	O	15.82800	107.09400	-56.34280	C	16.03350	101.55200	-34.01510
O	13.24580	122.86400	-24.65860	C	15.05660	106.93600	-57.54290	O	17.04040	101.70500	-35.02580
C	13.28530	124.29000	-24.50830	C	15.97830	107.15700	-58.75930	C	16.79660	100.85100	-36.15280
C	14.03710	124.61500	-23.20320	O	15.18130	107.17100	-59.95300	C	17.89940	101.11000	-37.19790
O	14.12560	126.03800	-23.04580	C	15.98570	107.40400	-61.11880	O	17.67500	100.28500	-38.35020
C	14.81340	126.38500	-21.83490	C	15.07200	107.43000	-62.36010	C	18.68120	100.51000	-39.34860
C	14.88960	127.92000	-21.71900	O	15.86840	107.70700	-63.52150	C	18.39330	99.61370	-40.56860
O	15.57870	128.25700	-20.50610	C	15.06840	107.72400	-64.71260	O	19.39500	99.85960	-41.56610
C	15.68650	129.67800	-20.34090	C	14.63890	109.90500	-35.67160	C	19.17670	99.05890	-42.73630
C	16.44990	129.95900	-19.02840	O	14.04220	109.49000	-36.79300	C	20.27730	99.37660	-43.76760
O	16.84640	131.33400	-18.88410	C	14.62030	110.10000	-37.95650	O	20.05510	98.58810	-44.94570
C	15.72800	132.22600	-18.76470	C	13.83820	109.65600	-39.20720	C	21.05090	98.85090	-45.94490
C	16.26110	133.64300	-18.47500	O	14.50660	110.17800	-40.36500	C	20.75770	97.98320	-47.18460
O	15.15000	134.54300	-18.35130	C	13.79660	109.85500	-41.56820	O	21.74920	98.25410	-48.18590
C	15.58970	135.88200	-18.08050	C	14.58700	110.39100	-42.77820	C	21.52350	97.47470	-49.36940
C	6.23401	109.99300	-31.86490	O	13.82690	110.13800	-43.96770	C	22.61450	97.81200	-50.40470
O	6.70651	112.17100	-33.17570	C	14.50930	110.61000	-45.13740	O	22.38700	97.03690	-51.59060
O	7.88880	109.87500	-27.58220	C	13.63060	110.31800	-46.36860	C	23.37560	97.31360	-52.59310
C	9.68229	108.55400	-34.95050	O	14.35310	110.68000	-47.55310	C	23.07850	96.45580	-53.83880
C	10.52230	110.62500	-33.57090	C	13.56380	110.46700	-48.73220	O	24.06610	96.73440	-54.84170
C	11.92840	110.70800	-34.25970	C	14.43210	110.79300	-49.96170	C	23.83800	95.96140	-56.02880
C	12.65430	111.72300	-33.41090	O	13.66750	110.60000	-51.16050	C	24.92660	96.30390	-57.06500
O	12.82330	111.40800	-32.12310	C	14.46580	110.85200	-52.32610	O	24.69910	95.53160	-58.25290
C	13.44460	112.48100	-31.39950	C	13.61490	110.64500	-53.59330	C	25.68680	95.81160	-59.25510
C	13.75190	112.03500	-29.95800	O	14.47630	110.76700	-54.73360	O	13.01390	112.79600	-33.86810
O	14.38200	113.13600	-29.28730	C	13.73510	110.72000	-55.96000	O	15.53680	110.73200	-35.68010
C	14.75370	112.79500	-27.94560	C	14.72860	110.78700	-57.13570	O	13.96900	104.36900	-34.26660
C	15.31380	114.05300	-27.25400	O	13.99130	110.93000	-58.35810	C	20.15900	107.37200	-33.62610
O	15.51050	113.77100	-25.86100	C	14.87000	111.06400	-59.48370	C	19.38500	106.21400	-35.68950
C	15.97230	114.93200	-25.15630	C	14.03000	111.21300	-60.76640	O	19.50240	107.44000	-36.21060
C	16.06590	114.60700	-23.65250	O	14.92130	111.31900	-61.88510	C	19.10100	107.43800	-37.58810
O	16.40970	115.80700	-22.94620	C	14.20040	111.46300	-63.11660	C	19.22750	108.82600	-38.24060
C	16.47920	115.58700	-21.53050	C	15.21440	111.55800	-64.27300	O	18.92290	108.62100	-39.62610
C	16.74420	116.93800	-20.83720	O	14.49830	111.69700	-65.50850	C	18.90980	109.84300	-40.37240
O	16.84420	116.73100	-19.42160	C	15.39570	111.78800	-66.62380	C	18.72320	109.45000	-41.85070
C	17.05920	117.96800	-18.72580	C	15.71340	106.64200	-32.46450	O	18.62480	110.62300	-42.67030
C	17.17040	117.66700	-17.21870	C	17.15950	106.05600	-32.55560	C	18.57130	110.26700	-44.05940
O	17.38100	118.89100	-16.49960	C	17.84930	106.38800	-33.91110	C	18.35140	111.53100	-44.91070
C	17.50700	118.64500	-15.09150	C	19.37660	106.14900	-34.18240	O	18.34160	111.14400	-46.29180
C	17.73020	119.97800	-14.35130	C	19.84920	104.74800	-33.64500	C	18.09380	112.26700	-47.14670
O	17.88270	119.69400	-12.95280	C	20.92140	103.77300	-34.27470	C	18.11760	111.79800	-48.61380
C	18.09460	120.89300	-12.19370	C	20.59280	102.45700	-33.58740	O	17.82570	112.92000	-49.45760
C	18.26170	120.51800	-10.70770	O	21.41130	101.43600	-33.85910	C	17.77690	112.53800	-50.83920
O	18.47720	121.71000	-9.93686	C	21.13480	100.29400	-33.03380	C	17.40240	113.77500	-51.67900
C	18.65170	121.40300	-8.54522	C	22.22330	99.23820	-33.29440	O	17.11030	113.35800	-53.01920
C	18.87820	122.71000	-7.76030	O	22.00560	98.09700	-32.45180	C	16.79150	114.47600	-53.86160
O	19.06470	122.39900	-6.37217	C	23.04640	97.12390	-32.62370	C	16.37540	113.92100	-55.23760
C	19.27760	123.58700	-5.59603	C	22.79370	95.92000	-31.69560	O	16.13580	114.99300	-56.16310
C	11.85220	111.33100	-35.67800	O	23.86530	94.98630	-31.88560	C	15.71560	114.47700	-57.43470
C	12.66450	109.33000	-34.22920	C	23.72010	93.83120	-31.04790	C	15.52330	115.60900	-58.46150
C	14.21350	109.20800	-34.40300	C	24.90620	92.89290	-31.34020	O	15.12100	114.99400	-59.69430
C	15.01350	109.86500	-33.25290	O	24.80390	91.69910	-30.55050	C	14.93520	115.96000	-60.73770
O	7.22707	110.52800	-35.07760	C	25.88620	90.80110	-30.83850	C	14.50670	115.20800	-62.01370
C	14.66630	107.72800	-34.67010	C	25.74810	89.52580	-29.98490	O	14.33130	116.14800	-63.08370
C	14.65250	106.56000	-33.61680	O	26.80970	88.62710	-30.33680	C	13.93690	115.48900	-64.29590
C	14.74860	105.29200	-34.44480	C	26.76500	87.42750	-29.55200	O	18.85280	105.32600	-36.33560
O	15.32120	105.46200	-35.64390	C	27.90720	86.49490	-30.00060	C	20.65230	103.42300	-35.76330
C	14.97250	104.43600	-36.58400	O	27.79920	85.25740	-29.28440	C	22.46410	103.84400	-33.96660
C	15.68540	104.72100	-37.92260	C	28.84460	84.34530	-29.64950	C	23.34420	105.13100	-34.00520
O	15.45250	106.09000	-38.29340	C	28.63520	83.03500	-28.86600	C	23.08950	105.88400	-32.67260
C	16.06710	106.43700	-39.54720	O	29.66370	82.09780	-29.21620	C	24.80670	104.75400	-33.89870
C	15.26280	105.93700	-40.76630	C	29.49630	80.86070	-28.50850	O	25.09180	103.48300	-34.20470
O	15.86350	106.49100	-41.94620	C	30.61690	79.88420	-28.91500	C	26.41150	103.09700	-33.80220
C	15.13580	106.13500	-43.13040	O	30.42880	78.65130	-28.20540	C	26.72210	101.69200	-34.36100
C	15.87670	106.71600	-44.35040	C	31.44280	77.69330	-28.54000	O	25.69680	100.77200	-33.96140
O	15.14170	106.42200	-45.54710	C	31.18380	76.39500	-27.75060	C	25.91230	99.45170	-34.49130
C	15.83500	106.89400	-46.71210	O	32.19790	75.43630	-28.08500	C	27.05180	98.68840	-33.78460
C	14.99180	106.58400	-47.96460	C	32.00540	74.20380	-27.37650	O	26.93080	97.31100	-34.16650
O	15.73950	106.95800	-49.13100	C	13.27820	106.46900	-32.90340	C	27.90690	96.48510	-33.51730
C	14.98370	106.73900	-50.33080	C	17.05290	104.57700	-32.26920	C	27.62440	95.02570	-33.92380
C	15.87740	107.04500	-51.54890	O	17.43230	104.11400	-31.20480	O	28.51170	94.13930	-33.22750
O	15.10680	106.87100	-52.74740	C	17.91870	106.69200	-31.36150	C	28.18760	92.76740	-33.50000

C	29.13250	91.85350	-32.69700	C	33.20070	85.85040	-31.67800	H	66.60770	29.06700	125.97900
O	28.62540	90.51100	-32.74610	O	33.21650	84.52150	-32.21790	H	64.71250	31.32670	125.79200
C	29.55220	89.54830	-32.21640	C	33.13700	83.53280	-31.18110	H	64.58980	29.97540	126.97100
C	29.93960	89.78610	-30.74020	C	33.19470	82.13650	-31.83140	H	64.81550	31.60290	128.85000
O	30.75990	88.68900	-30.31380	O	33.19530	81.13550	-30.80350	H	64.96980	32.93200	127.65300
C	31.13990	88.82220	-28.93670	C	33.27550	79.81670	-31.36270	H	61.26870	33.93830	130.71700
C	32.02290	87.62000	-28.55000	H	68.45210	56.57780	142.44100	H	61.33190	35.15450	129.43800
O	32.37920	87.72150	-27.16420	H	68.73080	54.81140	142.35600	H	60.95400	30.96920	128.46400
C	33.19570	86.61450	-26.75560	H	69.00540	55.83870	140.90700	H	61.30950	31.50110	130.11400
C	33.54410	86.77320	-25.26260	H	67.42440	54.48610	139.64900	H	57.90290	29.61020	129.71200
O	34.35620	85.66290	-24.85470	H	67.15010	53.45890	141.09700	H	58.99130	29.63810	128.33700
C	34.71090	85.75650	-23.46750	H	64.75300	54.12760	141.11700	H	76.14270	25.07040	128.05300
C	35.57860	84.53950	-23.09060	H	65.02730	55.15470	139.66900	H	76.04540	25.30150	129.83400
O	35.93340	84.63150	-21.70320	H	63.17420	52.77570	139.85900	H	74.82410	27.43850	129.47800
C	36.74400	83.51970	-21.29670	H	63.44820	53.80310	138.41100	H	74.97230	27.22430	127.70300
C	23.05870	106.04600	-35.23320	H	64.31730	51.82730	137.17400	H	72.40210	27.45550	129.10600
C	23.85970	105.95400	-36.57000	H	64.04380	50.79990	138.62200	H	72.60340	27.06470	127.37100
C	22.97430	106.71100	-37.59610	H	62.73970	50.48320	135.91600	H	71.40440	24.90080	127.72900
O	25.57190	105.41700	-33.21640	H	62.47010	49.46200	137.37400	H	71.18270	25.32710	129.46100
O	19.78660	102.38000	-32.67390	H	60.05610	50.01550	137.34800	H	68.96520	24.88440	127.50800
C	24.13630	104.50200	-37.05610	H	60.33650	51.24150	136.08100	H	68.75270	25.42390	129.21000
C	24.68080	104.29800	-38.49900	H	61.80710	47.83710	135.91200	H	67.76630	27.56940	128.37500
Br	23.34890	104.49400	-39.79620	H	60.20690	47.68670	136.71800	H	67.91470	26.96250	126.69100
C	25.13540	106.74900	-36.41400	H	59.17250	47.07830	134.55300	H	65.41260	27.74130	128.06900
O	25.25670	107.84500	-36.93770	H	60.75830	47.27690	133.72900	H	65.48110	27.04920	126.41400
C	25.13900	102.86700	-38.60310	H	59.12310	44.70810	133.96600	H	63.98180	25.24690	127.02700
O	24.27620	101.94600	-38.16420	H	60.68750	44.90460	133.09900	H	64.06200	25.70420	128.76700
C	24.84020	100.63000	-38.24540	H	61.76350	43.29720	134.64100	H	76.07950	26.87200	134.14700
C	23.87460	99.59290	-37.63980	H	60.22840	43.13360	135.55700	H	76.46080	28.54060	133.59800
O	24.55290	98.32930	-37.65390	H	61.73460	40.92890	134.11600	H	73.68730	27.25090	133.86200
C	23.76370	97.28740	-37.06510	H	60.23900	40.79690	135.09900	H	74.05520	28.94910	133.40100
C	24.61340	96.00160	-37.07360	H	58.99530	39.98820	133.10400	H	73.04610	28.58830	131.17900
O	23.90690	94.93560	-36.42200	H	60.51340	40.03700	132.13800	H	72.72800	26.86520	131.58400
C	24.69920	93.73900	-36.40150	H	58.83250	37.58330	132.95100	H	70.66360	28.93180	130.84400
C	23.96170	92.62460	-35.63470	H	60.28160	37.56480	131.88600	H	70.36920	27.20920	131.25500
O	24.85610	91.50800	-35.52620	H	61.48770	36.14380	133.49500	H	68.99980	27.91160	133.21200
C	24.26630	90.42130	-34.80010	H	60.14760	36.30470	134.67900	H	69.25830	29.63500	132.77300
C	25.31480	89.29770	-34.68030	H	61.20450	33.71300	133.49400	H	66.62320	28.14450	132.85700
O	24.77720	88.23650	-33.87840	H	59.93860	33.94330	134.74800	H	66.84640	29.87420	132.41100
C	25.74090	87.19120	-33.68560	H	59.64020	31.79270	133.59100	H	65.86060	29.44730	130.17500
C	25.10430	86.07150	-32.83940	H	58.25280	32.89350	133.26900	H	65.89780	27.68790	130.48800
O	26.09150	85.05280	-32.61720	H	58.18990	31.87460	127.81100	H	64.60250	30.13430	132.98000
C	25.65110	84.03870	-31.69790	H	57.10980	31.68520	129.21100	H	64.16880	30.74800	131.34400
C	24.44630	83.22460	-32.21620	H	58.10240	33.13580	129.10100	H	62.40590	29.00930	133.14700
O	24.26290	82.09270	-31.35330	H	88.04320	15.49140	120.87400	H	62.17060	30.77010	132.83800
C	23.16420	81.27660	-31.78460	H	88.35930	17.13100	121.52000	H	61.74350	28.80680	129.08500
C	23.02380	80.08110	-30.82200	H	87.70370	15.84950	122.59500	H	61.33370	27.27540	129.85700
O	21.92660	79.26290	-31.25280	H	85.80200	17.26060	123.11800	H	60.02550	29.12600	126.47300
C	21.74910	78.13030	-30.38990	H	86.45610	18.54410	122.04300	H	61.75060	29.19130	126.91400
C	20.56070	77.29300	-30.90240	H	84.42750	18.36740	120.60800	H	61.20030	27.98590	125.75700
O	20.38240	76.15990	-30.04000	H	83.77220	17.09670	121.69600	H	44.24940	60.20840	119.84600
C	19.28530	75.34240	-30.47170	H	82.52430	19.77160	121.11300	H	45.83120	60.01400	120.66200
C	25.90510	105.18100	-38.84090	H	81.87070	18.51260	122.21400	H	45.73520	60.00890	118.86700
O	26.27190	102.58200	-38.95950	H	82.03140	20.10070	124.12400	H	46.79180	57.81910	118.81700
O	26.15720	106.14600	-35.79870	H	82.69190	21.35790	123.02100	H	46.88790	57.82440	120.61100
C	27.33340	106.97300	-35.80380	H	80.12460	21.53990	124.59800	H	45.42690	55.81150	120.69500
C	28.49330	106.24700	-35.09330	H	80.77980	22.78490	123.48100	H	45.33120	55.80580	118.90100
O	28.76770	105.01900	-35.78370	H	78.77790	22.51390	122.01900	H	46.48290	53.62490	120.64600
C	29.80150	104.26800	-35.12960	H	78.11690	21.29380	123.15800	H	46.38780	53.61820	118.85200
C	29.96430	102.91700	-35.85520	H	76.84950	23.90760	122.40700	H	48.87060	53.51360	118.72100
O	30.66890	102.01300	-34.99210	H	76.19270	22.70450	123.56700	H	48.96610	53.52290	120.51500
C	30.77040	100.70400	-35.57060	H	76.30070	24.40480	125.38400	H	49.92860	51.32610	118.67700
C	31.43070	99.76440	-34.54260	H	76.95110	25.60630	124.21800	H	50.02320	51.33810	120.47100
O	31.49170	98.43720	-35.08480	H	74.36810	25.82350	125.72800	H	48.56270	49.32490	120.56100
C	32.04420	97.51280	-34.13620	H	74.98940	27.01630	124.53700	H	48.47270	49.30990	118.76700
C	32.08790	96.10730	-34.76730	H	72.96350	26.60130	123.10900	H	49.62230	47.14130	120.52900
O	32.56280	95.17370	-33.78640	H	72.36530	25.43930	124.34300	H	49.53490	47.12180	118.73500
C	32.63430	93.84450	-34.32180	H	70.92110	27.94310	123.55000	H	52.01800	47.01910	118.61400
C	33.07520	92.87660	-33.20600	H	70.43610	26.77810	124.83000	H	52.10670	47.04860	120.40800
O	33.11060	91.54490	-33.73960	H	70.69290	28.57700	126.54300	H	53.08500	44.83330	118.60300
C	33.38910	90.57710	-32.71760	H	71.05030	29.75800	125.24000	H	53.17020	44.87080	120.39600
C	33.39480	89.17100	-33.34990	H	68.71540	29.71570	127.18000	H	51.71470	42.85410	120.50700
O	33.34250	88.19010	-32.30350	H	69.00480	30.97750	125.93600	H	51.64300	42.80860	118.71200
C	33.30920	86.85910	-32.83840	H	66.83120	30.46450	124.87800	H	52.79010	40.67910	120.52600

H	52.72420	40.62340	118.73100	H	54.78750	44.90260	134.26500	H	56.83890	44.71420	100.13000
H	55.20880	40.54420	118.64200	H	53.80140	45.13490	132.78200	H	55.93950	43.63380	101.24200
H	55.27660	40.61760	120.43500	H	55.81300	42.98930	133.13600	H	58.07640	42.23340	101.42800
H	56.30920	38.38760	118.69700	H	54.91820	43.33000	131.61600	H	58.93360	43.56620	100.58900
H	56.37080	38.47170	120.49100	H	57.10940	43.81140	130.48100	H	59.42140	42.62040	103.35900
H	54.97650	36.41080	120.63000	H	57.96380	43.34390	131.98800	H	60.22620	44.06150	102.65300
H	54.93720	36.32180	118.83800	H	58.17620	41.94590	129.32000	H	59.21920	45.48160	104.44600
H	56.22700	34.28280	120.77200	H	59.00230	41.47550	130.83900	H	58.38280	44.03760	105.11100
H	56.06640	34.17460	118.98800	H	57.73860	39.29750	130.80700	H	60.35360	45.70030	106.60700
H	58.03610	32.86350	119.80200	H	56.99740	39.78110	129.24400	H	59.56050	44.20330	107.20400
H	58.48260	34.21770	118.71200	H	58.70900	37.39140	129.65400	H	61.80690	43.11180	107.38300
H	63.36460	34.49620	121.86800	H	58.07790	37.94230	128.06600	H	62.57820	44.64850	106.86500
H	62.67300	33.04350	121.09600	H	60.45960	38.28360	127.29700	H	62.97590	43.25710	109.47900
H	62.80480	34.54440	120.16500	H	61.01550	37.61760	128.87300	H	63.71860	44.82710	109.02100
H	51.09700	58.86640	143.56600	H	59.44820	33.70400	127.45600	H	62.57570	45.92290	110.95300
H	50.71030	58.90970	141.81900	H	60.50470	32.43480	126.78800	H	61.79140	44.35860	111.35900
H	50.20940	57.50330	142.81900	H	45.85570	59.61270	136.88400	H	63.66270	45.83840	113.21000
H	51.43290	56.00730	141.34600	H	44.76410	58.26020	136.45500	H	62.85540	44.25990	113.47300
H	51.92140	57.41180	140.33900	H	45.97790	58.05820	137.76300	H	65.19250	43.19660	113.40700
H	54.31680	56.93100	140.84300	H	46.96190	56.16040	136.59900	H	65.85250	44.85280	113.59000
H	53.82020	55.51400	141.83100	H	45.71630	56.33190	135.31700	H	65.98590	42.53560	115.55800
H	55.50180	55.43710	139.31200	H	47.48990	56.72560	133.62800	H	66.68130	44.16690	115.83400
H	54.99140	54.00710	140.27600	H	48.74310	56.60720	134.90800	H	66.21280	43.00240	117.97500
H	53.67660	53.17490	138.34300	H	48.48600	54.79490	132.49400	H	65.19190	44.47190	117.79100
H	54.17400	54.61410	137.38600	H	49.72480	54.70420	133.78700	H	61.17170	41.69600	120.83200
H	54.65850	51.81370	136.60500	H	48.80270	52.43650	134.43200	H	62.89650	41.71000	121.29000
H	55.23420	53.27000	135.72700	H	47.72000	52.51980	133.00400	H	62.10700	43.21640	120.78600
H	57.60240	52.47790	136.05900	H	49.90780	50.50670	133.46500	H	40.80520	30.80540	97.57260
H	56.95540	50.99580	136.84400	H	48.86650	50.60690	132.00600	H	41.08340	30.93880	99.33610
H	58.54660	50.96480	134.35300	H	50.89350	51.03810	130.61000	H	40.46250	32.34920	98.41190
H	57.72140	49.53900	135.07600	H	51.92360	50.89190	132.07500	H	42.34630	33.68150	99.18020
H	56.30570	49.40880	132.96700	H	52.01600	49.13810	129.62300	H	42.96720	32.27150	100.10400
H	57.35850	50.66630	132.24400	H	53.04690	48.95600	131.08000	H	45.03990	32.28170	98.72650
H	57.02820	47.79580	131.34700	H	52.03700	46.68970	131.47500	H	44.41890	33.69160	97.80260
H	58.11750	49.00180	130.58200	H	51.05940	46.89490	129.98200	H	46.92130	33.61350	99.49360
H	60.07880	47.57040	131.14200	H	53.00900	44.72440	130.37000	H	46.29990	35.02320	98.56970
H	58.98360	46.39070	131.94300	H	52.14980	45.07180	128.83300	H	46.04800	36.30160	100.69000
H	60.76550	45.89590	129.50700	H	54.36490	45.48730	127.72600	H	46.67050	34.89220	101.61400
H	59.74130	44.70380	130.37800	H	55.18750	45.03010	129.25500	H	47.92670	37.63440	101.44800
H	58.36140	44.38290	128.35200	H	55.48520	43.64140	126.64900	H	48.54590	36.21630	102.36700
H	59.34820	45.59090	127.46800	H	56.21730	43.09330	128.19300	H	49.97650	37.50470	99.98200
H	58.99040	42.55410	126.90700	H	54.93940	40.94820	128.01500	H	50.66130	36.27290	101.07800
H	59.77170	43.81590	125.89900	H	54.25980	41.50450	126.44700	H	49.65040	37.73810	103.68000
H	61.93520	42.65740	126.04400	H	55.96170	39.09150	126.80700	H	51.23380	36.96530	103.32900
H	61.22500	41.39950	127.11900	H	55.37780	39.72470	125.23000	H	52.33060	39.20010	103.46100
H	62.31360	41.11270	124.15100	H	57.75910	40.01110	124.48400	H	50.74310	39.94680	103.84700
H	61.85270	39.79950	125.29500	H	58.30800	39.52340	126.11000	H	53.15210	39.96730	105.59300
H	59.95470	39.18070	123.90700	H	55.82890	37.97840	123.80700	H	51.55180	40.64110	106.04300
H	60.24700	40.56740	122.80000	H	57.37440	38.23380	122.93200	H	51.42950	39.10490	107.98500
H	61.67280	36.19290	122.94800	H	56.35960	35.64350	124.20700	H	52.97770	38.34130	107.49100
H	60.05930	36.23500	122.21800	H	56.58990	35.98440	122.45600	H	52.51220	39.77080	110.11300
H	60.73480	32.64530	122.45100	H	58.67090	32.53090	125.28400	H	54.04990	39.02730	109.55400
H	61.86300	33.54320	123.44800	H	58.88470	31.88580	123.63700	H	55.09600	41.30060	109.51100
H	47.26820	60.97030	140.93600	H	60.26720	31.89050	124.73300	H	53.59750	41.98960	110.21400
H	48.94340	61.01810	140.30600	H	60.46790	35.76940	124.74500	H	56.37490	41.95570	111.40100
H	47.55320	60.95740	139.16800	H	59.15140	35.02080	125.64800	H	54.91480	42.69770	112.13700
H	48.46510	58.94000	138.16600	H	62.56320	33.09100	125.50400	H	55.15120	41.21180	114.11700
H	49.85230	58.99750	139.30400	H	62.79860	34.81870	125.04200	H	56.56140	40.40940	113.34400
H	49.16750	56.80110	140.25200	H	63.24320	34.26920	126.65800	H	56.66720	41.96740	115.95400
H	47.77590	56.74390	139.12000	H	59.76760	34.42440	129.87200	H	58.03510	41.15120	115.12000
H	50.06140	54.77820	139.22900	H	63.46030	38.30420	120.75800	H	59.09980	43.37570	114.72700
H	48.67310	54.73610	138.08800	H	63.41280	37.36380	122.23700	H	57.79050	44.16200	115.67100
H	50.24870	55.02190	136.17600	H	63.66490	36.54320	120.68900	H	62.54110	44.74110	119.16900
H	51.62730	55.03720	137.32400	H	50.80500	40.52910	92.51070	H	62.55550	44.67320	117.37900
H	51.12720	52.99400	135.11100	H	50.04020	41.16910	93.99800	H	61.43050	45.76580	118.24100
H	52.50820	53.07510	136.24200	H	51.02480	42.24800	92.95180	H	60.55520	41.53840	118.29100
H	51.76930	50.87050	137.23200	H	52.45550	42.78110	94.81920	H	61.76760	42.14320	117.13600
H	50.51770	50.76330	135.94800	H	51.48770	41.71180	95.88990	H	63.82990	40.22770	119.63500
H	52.69020	48.83240	136.30500	H	53.49280	40.32030	96.33240	H	62.11680	39.79310	119.80100
H	51.61200	48.83470	134.86600	H	54.45380	41.33150	95.19980	H	47.93510	37.47550	87.83070
H	53.64360	49.27280	133.43000	H	55.00060	40.97620	98.14860	H	48.84550	36.01750	88.33160
H	54.66780	49.11680	134.89500	H	55.94200	41.97760	96.98930	H	47.24580	36.37850	89.06630
H	54.77580	47.38350	132.46300	H	55.34720	44.02420	98.30400	H	48.25750	36.35940	91.27780
H	55.77720	47.17040	133.94200	H	54.45770	42.99040	99.47330	H	49.85670	35.99860	90.54330

H	50.75340	38.13710	91.44360	H	58.71890	38.38370	119.52500	H	41.82730	13.03730	114.81800
H	49.15310	38.49840	92.17840	H	77.65450	27.59250	131.61300	H	43.02800	11.73320	114.54200
H	51.76250	38.11980	93.66010	H	77.29160	25.93570	132.20700	H	41.49660	10.08070	115.62100
H	50.16060	38.47650	94.39330	H	79.66630	25.47890	132.40800	H	40.29640	11.37970	115.91600
H	50.23490	36.30700	95.60770	H	80.02550	27.13120	131.80100	H	38.62820	10.69250	112.13000
H	51.83980	35.95610	94.88210	H	81.16380	27.67090	133.94600	H	39.94770	9.53928	111.72200
H	51.21730	36.24500	97.81260	H	80.80390	26.01840	134.55300	H	38.59880	7.65754	112.62100
H	52.82540	35.89840	97.09240	H	83.54160	27.21990	134.11500	H	37.28400	8.79470	113.06300
H	53.71960	38.00230	98.07420	H	83.17000	25.56560	134.71800	H	37.00640	9.42954	110.66500
H	52.10920	38.35570	98.78560	H	84.41600	24.56640	132.82300	H	38.34400	8.32730	110.20700
H	54.64290	37.91500	100.33500	H	84.57230	26.17310	132.06000	H	37.04480	6.37434	111.05200
H	53.01750	38.21610	101.03300	H	85.24750	25.56470	135.66200	H	35.70540	7.46380	111.54200
H	53.10050	35.93980	102.10600	H	85.79090	24.10610	134.76200	H	35.40450	8.17843	109.16700
H	54.76860	35.73450	101.47900	H	88.09950	25.02700	134.69300	H	36.75730	7.11443	108.67000
H	53.89230	35.87700	104.40700	H	87.54520	26.48460	135.58400	H	34.12520	3.93007	108.10300
H	55.55370	35.59490	103.78100	H	88.91770	24.32100	138.16600	H	32.74430	4.90031	108.73000
H	56.32920	37.69050	104.84700	H	89.60690	24.48180	136.52200	H	32.29240	5.75738	106.44300
H	54.66440	38.01820	105.43100	H	89.05210	25.93980	137.41300	H	33.69220	4.83627	105.80600
H	57.12710	37.65040	107.13300	H	79.30220	26.69850	129.12700	H	32.60580	2.69084	106.47900
H	55.45780	37.99750	107.69600	H	78.45710	25.41890	130.04200	H	31.20680	3.59617	107.14300
H	55.43030	35.87060	108.97100	H	78.20180	24.07970	127.97000	H	30.71730	4.52745	104.88300
H	57.11230	35.52850	108.43400	H	78.82450	25.45190	126.98600	H	32.13580	3.66234	104.20600
H	56.17790	36.00410	111.29900	H	80.03760	22.67010	127.23100	H	31.10700	1.47077	104.83100
H	57.85640	35.64240	110.76600	H	80.66410	24.02380	126.22900	H	29.68630	2.32887	105.50800
H	58.59340	37.87170	111.58200	H	82.74870	24.06690	127.58400	H	27.89020	2.24930	101.70200
H	56.92170	38.22550	112.13400	H	82.11930	22.72890	128.60200	H	29.41080	1.62152	100.97300
H	59.38780	38.08930	113.83500	H	84.62270	22.68510	126.91500	H	28.64250	-0.71165	101.35600
H	57.72600	38.42360	114.43700	H	83.99710	21.35510	127.94800	H	27.12730	-0.10224	102.09700
H	57.88750	36.38340	115.88800	H	83.75280	19.90810	125.94500	H	26.51760	1.02704	99.95420
H	59.52560	36.07510	115.20600	H	84.37170	21.23910	124.90700	H	28.04650	0.45959	99.20900
H	60.11360	36.44650	119.79500	H	85.61170	18.52040	125.28500	H	27.33770	-1.91132	99.53010
H	61.71760	36.20530	119.07100	H	86.22140	19.84760	124.23700	H	25.80880	-1.36014	100.29200
H	60.91410	35.22350	89.28970	H	88.05210	18.29660	124.86800	H	25.17040	-0.18641	98.18050
H	59.17360	35.57460	89.51870	H	88.32240	19.93170	125.56300	H	26.70850	-0.70338	97.42100
H	60.36170	36.92020	89.43620	H	89.00010	17.65940	128.32100	H	24.96580	-4.25506	96.10460
H	59.62560	37.70390	91.61770	H	89.43290	17.32380	126.61700	H	23.40600	-3.82794	96.89520
H	58.43760	36.35900	91.69980	H	89.70500	18.95860	127.31100	H	22.68460	-2.62477	94.84310
H	59.58710	35.46680	93.71880	H	59.32470	25.93930	128.43300	H	24.25080	-3.00273	94.05720
H	60.77480	36.81230	93.63720	H	58.50950	27.44140	127.89300	H	23.75580	-5.44744	94.21970
H	58.85020	36.24820	95.89690	H	58.24130	27.17330	130.03300	H	22.19130	-5.08497	95.01880
H	60.03710	37.59440	95.81710	H	59.49540	26.88860	131.26400	H	21.43230	-3.83887	92.99470
H	58.17450	39.24230	95.90700	H	58.23210	28.11930	131.51500	H	23.00540	-4.16198	92.19450
H	56.98740	37.89630	95.98130	H	57.90420	26.57070	124.43100	H	22.56680	-6.62215	92.31410
H	57.43090	40.01890	98.08360	H	57.71620	27.81670	125.69100	H	20.99130	-6.30320	93.10750
H	56.24170	38.67280	98.14570	H	59.25660	27.64330	124.79700	H	19.20340	-6.01907	89.30040
H	57.38310	37.77450	100.17500	H	59.55770	24.68580	124.77900	H	20.82100	-6.11030	88.51710
H	58.54150	39.14710	100.12000	H	60.87430	25.64750	125.49000	H	20.63800	-8.58963	88.41340
H	56.61480	38.53700	102.34400	H	60.13970	24.29400	126.41700	H	19.02710	-8.51212	89.19760
H	57.74550	39.92890	102.25500	H	56.28520	23.02190	126.68200	H	18.15050	-7.15895	87.28770
H	54.67620	40.13220	102.30200	H	55.22650	24.41970	126.27100	H	19.76490	-7.19869	86.50850
H	55.81050	41.50690	102.35400	H	55.32100	23.79410	123.86700	H	19.63910	-9.68808	86.35230
H	57.64760	40.01810	104.52100	H	56.38020	22.40260	124.25900	H	18.02600	-9.66239	87.13850
H	57.21990	41.75300	104.30700	H	54.56770	21.39580	125.65100	H	17.12310	-8.28785	85.25670
H	56.04910	41.78470	106.43700	H	53.50810	22.80170	125.30600	H	18.73710	-8.28250	84.47890
H	56.16060	40.00120	106.56900	H	53.59010	22.28000	122.86800	H	17.87550	-11.84580	82.47940
H	57.28570	42.01200	108.56700	H	54.66170	20.87860	123.19300	H	16.25070	-11.92070	83.25070
H	57.25810	40.21650	108.65400	H	52.86410	19.80880	124.55800	H	15.30210	-10.55530	81.40010
H	59.74390	40.17630	108.62900	H	51.79600	21.21900	124.26600	H	16.92210	-10.44200	80.64070
H	59.77160	41.97390	108.65700	H	50.41060	19.53120	120.70800	H	16.97810	-12.92790	80.36810
H	60.76770	40.03600	110.80400	H	51.51670	18.12520	120.89900	H	15.36160	-13.05400	81.13500
H	60.86740	41.83130	110.88500	H	49.76000	16.89800	122.15500	H	15.99310	-11.50720	78.54670
H	59.46510	41.83140	112.92900	H	48.65830	18.30670	122.01500	H	14.37630	-11.66480	79.30870
H	59.08800	40.11150	112.68200	H	48.71030	18.11840	119.52600	H	16.09560	-13.98880	78.24180
H	62.40430	41.76650	112.62600	H	49.83100	16.72420	119.64500	H	14.47770	-14.14880	78.99670
H	61.49020	42.34330	114.06200	H	48.09880	15.41630	120.87200	H	12.71190	-13.59400	75.21030
H	63.63920	40.15270	114.02400	H	46.97530	16.81410	120.79700	H	14.32690	-13.25090	74.49410
H	63.76240	41.80780	114.71700	H	48.14830	15.33740	118.36500	H	14.63300	-15.67440	74.01260
H	63.60250	37.48880	118.64300	H	47.02160	16.72830	118.29900	H	13.02650	-16.02670	74.72720
H	64.17140	37.83400	117.01100	H	44.89220	12.70770	118.40200	H	11.93300	-14.58230	73.00300
H	64.92680	38.66520	118.39500	H	43.73650	14.07590	118.58600	H	13.53640	-14.20080	72.29670
H	60.94740	39.49580	117.01600	H	43.58430	14.29670	116.11700	H	13.89030	-16.61850	71.77390
H	61.83630	37.99700	116.70400	H	44.76030	12.95990	115.91100	H	12.28990	-17.01170	72.48440
H	59.89120	39.73110	119.69500	H	43.18640	11.37870	117.02900	H	11.17270	-15.55740	70.78470
H	59.00810	39.49090	118.17900	H	42.01010	12.70950	117.28100	H	12.76880	-15.14240	70.08430

H	12.59930	-18.47980	67.56600	H	71.73550	-69.91110	-139.91900	H	70.86600	-70.17660	-111.97100
H	11.00740	-18.95190	68.26090	H	71.96920	-71.07120	-137.79500	H	69.71680	-73.04550	-109.56500
H	9.84710	-17.52160	66.58640	H	70.20880	-70.87720	-137.49500	H	71.25070	-72.26920	-109.21700
H	11.42850	-17.02330	65.90440	H	69.94030	-73.35120	-137.47000	H	74.39600	-54.91930	-107.31900
H	11.92410	-19.40010	65.29770	H	71.70070	-73.54530	-137.77000	H	72.83640	-54.73040	-108.19400
H	10.34790	-19.90920	65.98570	H	70.17510	-74.51000	-135.34800	H	73.56680	-56.44510	-109.84100
H	9.15176	-18.46630	64.33340	H	71.93560	-74.70380	-135.64800	H	75.13960	-56.58780	-108.99100
H	10.72380	-17.93370	63.65190	H	72.43090	-73.35090	-133.61900	H	73.29210	-58.83640	-109.37600
H	11.25390	-20.29640	63.02010	H	70.67050	-73.15710	-133.31900	H	74.78130	-58.87830	-108.38500
H	9.68270	-20.83090	63.69730	H	72.66850	-74.51010	-131.50300	H	73.41750	-59.47520	-106.37700
H	7.85329	-20.06000	59.98460	H	70.90260	-74.31450	-131.21400	H	71.93780	-59.46270	-107.39800
H	9.39911	-19.39390	59.34780	H	70.62750	-76.77210	-131.06800	H	72.99020	-61.84670	-105.93600
H	10.06580	-21.66690	58.57900	H	72.30990	-77.00700	-131.61700	H	71.57880	-61.85420	-107.05000
H	8.53066	-22.33990	59.21650	H	71.40820	-74.53670	-128.99600	H	72.81200	-63.43470	-108.55200
H	7.23270	-20.86970	57.66260	H	70.27650	-75.92460	-128.83200	H	74.16550	-63.47340	-107.37200
H	8.76188	-20.17630	57.03320	H	71.70860	-76.89420	-127.06700	H	72.52420	-65.77950	-108.26600
H	9.46394	-22.43650	56.22910	H	72.89090	-75.55530	-127.27200	H	73.81020	-65.87630	-107.01700
H	7.93992	-23.14040	56.86360	H	71.28070	-76.20710	-124.75800	H	72.25780	-66.78560	-105.39000
H	6.61835	-21.66540	55.33550	H	72.50470	-74.90310	-124.95200	H	70.85780	-66.47430	-106.47900
H	8.13641	-20.94900	54.70880	H	70.75860	-73.18880	-124.55100	H	69.53340	-54.20820	-111.36500
H	8.40768	-23.96610	51.81100	H	69.52500	-74.48030	-124.36600	H	70.71430	-54.32400	-112.71600
H	6.90995	-24.73600	52.44680	H	70.37340	-72.43520	-122.28100	H	69.30290	-56.63430	-111.26800
H	5.53261	-23.30200	50.94780	H	69.09720	-73.69000	-122.13600	H	70.41350	-56.75420	-112.67700
H	7.01781	-22.51560	50.32360	H	70.34730	-74.75200	-120.27200	H	72.02220	-58.05040	-111.32700
H	7.82620	-24.71840	49.45210	H	71.60360	-73.46780	-120.37800	H	70.96590	-57.88660	-109.88100
H	6.34787	-25.51480	50.08250	H	69.64870	-74.06810	-118.06100	H	71.82830	-60.46770	-111.17700
H	4.93493	-24.07500	48.60710	H	70.99680	-72.87870	-118.05700	H	70.77590	-60.28030	-109.73500
H	6.40724	-23.26130	47.98290	H	69.42250	-71.02640	-117.72700	H	68.90930	-61.38630	-110.95400
H	7.23822	-25.44520	47.08750	H	68.02700	-72.13360	-117.95100	H	69.97750	-61.61310	-112.38200
H	5.76935	-26.26130	47.71160	H	68.65590	-70.44420	-115.46100	H	68.69660	-63.77610	-110.69300
H	3.74846	-25.34100	44.14080	H	67.21390	-71.44560	-115.83900	H	69.76330	-64.03910	-112.11900
H	5.18545	-24.43580	43.54570	H	67.47860	-71.22510	-113.41500	H	71.36860	-65.30310	-110.71400
H	6.08892	-26.52630	42.53770	H	67.71210	-72.93400	-113.92900	H	70.48240	-64.80580	-109.24300
H	4.66568	-27.43800	43.13700	H	72.28190	-73.65660	-110.89000	H	68.75650	-66.13100	-112.26300
H	3.15304	-25.98870	41.76760	H	70.68070	-74.38270	-111.15500	H	70.32570	-67.00120	-112.11700
H	4.56957	-25.06270	41.17490	H	71.57980	-73.78720	-112.54800	H	67.63170	-67.93110	-110.99700
H	5.49848	-27.13720	40.13420	H	80.76470	-42.72860	-97.51860	H	68.45450	-68.62040	-112.44600
H	4.08955	-28.07350	40.73330	H	80.81570	-42.67700	-99.30750	H	71.02160	-69.31490	-109.11800
H	2.55265	-26.62370	39.39300	H	79.24040	-42.81060	-98.45410	H	69.68550	-69.21510	-107.97200
H	3.95585	-25.68110	38.79890	H	78.75290	-44.84960	-99.67290	H	73.01930	-71.55610	-108.15300
H	4.43438	-28.36870	35.61040	H	80.32860	-44.71800	-100.52800	H	73.10940	-69.84100	-108.62500
H	3.06865	-29.36630	36.22680	H	81.04260	-46.88640	-99.53150	H	73.58130	-70.31540	-106.99700
H	1.46291	-27.97670	34.92570	H	79.45980	-47.01970	-98.69320	H	85.18580	-96.56750	-129.35200
H	2.81582	-26.96890	34.31920	H	80.56790	-48.92870	-100.73700	H	84.77480	-94.90890	-129.88700
H	3.82337	-28.97560	33.21280	H	78.97630	-49.05990	-99.91570	H	86.38880	-95.25340	-129.17600
H	2.47986	-29.99330	33.82640	H	77.82790	-48.90530	-102.11800	H	85.99980	-93.56150	-127.47300
H	0.83773	-28.60430	32.55280	H	79.42260	-48.76810	-102.93800	H	84.38630	-93.21710	-128.18300
H	2.17441	-27.57340	31.94470	H	77.39130	-50.96230	-103.34600	H	83.30000	-93.91730	-126.05700
H	3.19532	-29.55820	30.81420	H	78.99410	-50.83110	-104.14800	H	84.91350	-94.26140	-125.34600
H	1.86496	-30.59270	31.42520	H	79.70280	-52.96040	-103.05900	H	82.91130	-92.22650	-124.35600
H	-0.45702	-29.60840	28.06520	H	78.08640	-53.09850	-102.28900	H	84.52470	-92.57060	-123.64500
H	0.83974	-28.50980	27.47370	H	79.32030	-55.04420	-104.21100	H	85.23480	-90.23430	-124.12600
H	1.88777	-30.40420	26.24270	H	77.69160	-55.17760	-103.46600	H	83.62160	-89.89070	-124.83800
H	0.60722	-31.50880	26.83950	H	76.65650	-55.10920	-105.73100	H	84.84500	-88.54250	-122.42700
H	-1.13117	-30.12690	25.68520	H	78.28870	-54.98300	-106.47000	H	83.23210	-88.19920	-123.13900
H	0.14185	-29.01060	25.09510	H	76.32140	-57.20650	-106.89200	H	82.14400	-88.89720	-121.01300
H	1.20819	-30.88470	23.83020	H	77.96620	-57.11230	-107.61000	H	83.75700	-89.23830	-120.29900
H	-0.05502	-32.01140	24.42670	H	78.58000	-59.23080	-106.40500	H	81.75110	-87.20290	-119.31700
H	-1.81719	-30.63290	23.30560	H	76.91410	-59.30050	-105.73500	H	83.36390	-87.54260	-118.60300
H	-0.55936	-29.50270	22.71350	H	78.09530	-61.39830	-107.51800	H	84.07120	-85.20660	-119.08800
H	-0.03484	-31.86780	19.28300	H	76.41590	-61.34720	-106.88000	H	82.46010	-84.86830	-119.80700
H	-1.24028	-33.05410	19.89940	H	75.54850	-61.17480	-109.21600	H	83.67180	-83.50690	-117.39800
H	-3.07303	-31.75320	18.82650	H	77.22060	-61.35480	-109.84200	H	82.06150	-83.17100	-118.12000
H	-1.88040	-30.56000	18.22010	H	74.83840	-63.19810	-110.22900	H	80.96540	-83.86070	-115.99500
H	-0.75497	-32.35340	16.88490	H	76.46830	-63.44820	-110.94000	H	82.57650	-84.18880	-115.27000
H	-1.93580	-33.55640	17.49800	H	76.67600	-65.60800	-109.75400	H	80.55570	-82.15220	-114.31800
H	-3.80407	-32.26200	16.45750	H	75.13990	-65.29420	-108.88400	H	82.16620	-82.47500	-113.58900
H	-2.63081	-31.04770	15.85080	H	75.60290	-67.65370	-110.59900	H	82.86490	-80.14220	-114.10000
H	-1.49813	-32.81610	14.49140	H	74.04060	-67.23950	-109.81300	H	81.25950	-79.82320	-114.84000
H	-2.66394	-34.03410	15.10040	H	72.96980	-67.04650	-112.06000	H	82.44300	-78.41690	-112.45100
H	-5.31383	-33.04590	11.99490	H	74.54650	-67.44370	-112.82300	H	80.84110	-78.10420	-113.20300
H	-4.18846	-31.76940	11.42860	H	71.19620	-70.71230	-114.39300	H	79.72650	-78.75390	-111.06300
H	70.54780	-70.54200	-141.10100	H	72.81460	-71.10780	-114.98300	H	81.33750	-79.00040	-110.31100
H	69.97450	-69.71680	-139.61900	H	72.06950	-70.65300	-110.76200	H	79.21110	-76.88820	-109.54900

H	80.77360	-77.22740	-108.73200	H	71.89590	-75.67300	-118.36500	H	97.05830	-78.04440	-115.08600
H	80.05910	-74.85790	-108.36900	H	73.17640	-76.84500	-117.90200	H	95.84320	-78.21660	-113.77400
H	81.59850	-74.99760	-109.28300	H	72.56300	-74.35730	-116.44200	H	95.77330	-75.72410	-113.54300
H	79.90470	-70.13840	-112.00000	H	73.96770	-75.41140	-116.07300	H	96.92310	-75.57990	-114.91500
H	79.95280	-70.39260	-110.23500	H	75.48680	-73.46490	-116.68900	H	94.13410	-74.51220	-114.81800
H	81.34660	-70.86290	-111.22000	H	74.01060	-72.45540	-116.88100	H	95.23400	-74.40120	-116.23300
H	65.63660	-86.80270	-139.15800	H	73.61080	-72.90370	-112.50600	H	93.59150	-75.69290	-117.60100
H	66.89940	-87.56490	-138.14400	H	74.04210	-71.63750	-111.33400	H	92.53250	-75.84930	-116.15800
H	65.32310	-87.09680	-137.42000	H	68.05890	-93.32270	-134.33900	H	91.70970	-74.46500	-118.71300
H	66.47750	-85.70770	-135.79600	H	69.31510	-93.96660	-133.23700	H	90.77310	-74.65010	-117.19600
H	68.05240	-86.18340	-136.51700	H	67.62140	-93.78330	-132.66400	H	90.95320	-72.10340	-116.92100
H	68.48680	-83.78850	-137.09900	H	68.39120	-92.35740	-130.84300	H	91.47700	-72.04560	-118.63400
H	66.93130	-83.33050	-136.32300	H	70.08540	-92.53980	-131.41500	H	88.91360	-70.96240	-117.39900
H	69.66820	-82.42970	-135.45000	H	70.20310	-90.09480	-131.84600	H	89.35130	-70.85180	-119.13600
H	68.12820	-82.01580	-134.61800	H	68.50790	-89.91600	-131.28100	H	86.89420	-70.71840	-118.80500
H	68.90600	-83.23890	-132.59500	H	70.96460	-88.63150	-130.08700	H	87.35230	-72.19490	-119.72500
H	70.44140	-83.64450	-133.43800	H	69.26100	-88.42420	-129.54900	H	82.80870	-74.75490	-117.28500
H	70.27890	-82.19900	-130.90300	H	69.85060	-89.33080	-127.31700	H	82.74170	-73.11130	-117.97800
H	71.78390	-82.47650	-131.84200	H	71.54850	-89.56830	-127.85700	H	83.54940	-74.41200	-118.87300
H	72.07710	-79.96860	-131.99400	H	70.61080	-87.73680	-125.62300	H	96.34180	-91.91460	-92.87100
H	70.62100	-79.78540	-130.95600	H	72.30520	-87.99720	-126.16100	H	94.82440	-91.55720	-93.75130
H	73.26020	-78.82550	-130.14300	H	72.47230	-85.59860	-126.80300	H	96.02430	-92.69850	-94.44900
H	71.82270	-78.90580	-129.06500	H	70.78120	-85.33620	-126.26000	H	96.15560	-91.33270	-96.45680
H	73.12880	-80.52190	-127.59600	H	73.28390	-84.03440	-125.13900	H	94.95610	-90.19170	-95.75940
H	74.57670	-80.17110	-128.59200	H	71.59510	-83.73400	-124.60300	H	96.64810	-88.36810	-95.83270
H	74.14020	-79.52630	-125.65600	H	72.13730	-84.54950	-122.34100	H	97.84760	-89.50920	-96.53010
H	75.62170	-79.15030	-126.60000	H	73.80740	-84.95320	-122.86300	H	96.77930	-87.00440	-97.83900
H	75.24580	-76.71940	-126.20300	H	72.96430	-82.95900	-120.70300	H	97.97880	-88.14570	-98.53580
H	73.75390	-77.10420	-125.27800	H	74.63020	-83.45310	-121.15700	H	96.41390	-88.64970	-100.40400
H	76.28980	-75.73380	-124.24600	H	75.16900	-81.13130	-121.81000	H	95.21500	-87.50730	-99.70760
H	74.75840	-76.01680	-123.35200	H	73.49040	-80.62070	-121.42900	H	96.55420	-87.29020	-102.40700
H	75.95370	-77.47940	-121.74400	H	76.06770	-79.65320	-120.08700	H	95.35540	-86.14820	-101.70000
H	77.48270	-77.23710	-122.65000	H	74.38940	-79.08970	-119.78100	H	98.27490	-85.44670	-102.31700
H	76.84450	-76.41970	-119.74300	H	74.51820	-79.85440	-117.44500	H	96.99020	-84.29330	-101.86100
H	78.40670	-76.35830	-120.62300	H	76.17690	-80.48820	-117.71800	H	94.89240	-85.53430	-103.86100
H	78.48060	-73.89900	-120.38100	H	75.28090	-78.25060	-115.80400	H	95.27440	-83.81520	-103.50500
H	76.91630	-73.92240	-119.49100	H	76.92050	-78.97210	-115.96700	H	96.13650	-83.54740	-105.82900
H	79.77950	-73.17030	-118.42200	H	77.87000	-76.78220	-116.56300	H	95.71110	-85.25820	-106.17500
H	78.21160	-72.99660	-117.55100	H	76.23420	-76.09620	-116.75000	H	94.60710	-82.87100	-107.56400
H	78.87220	-74.70670	-115.93800	H	77.61540	-78.09670	-113.94600	H	94.09610	-84.56370	-107.86700
H	80.39960	-75.02100	-116.83300	H	78.77500	-76.77680	-114.31200	H	91.76650	-83.99290	-107.23900
H	79.11930	-72.19600	-113.47700	H	76.63910	-76.83980	-112.11900	H	92.27670	-82.32120	-106.82800
H	79.46000	-73.78980	-112.78400	H	78.42460	-76.85760	-111.89800	H	90.25900	-83.03980	-108.96100
H	78.13180	-71.91360	-109.92400	H	75.06410	-73.54310	-110.38900	H	90.83370	-81.39020	-108.53800
H	77.80190	-71.05460	-111.41700	H	76.40740	-73.32170	-109.23800	H	91.85790	-81.19950	-110.81400
H	66.59980	-91.84100	-138.11100	H	75.69970	-71.89710	-110.00400	H	91.13970	-82.78150	-111.25600
H	67.96030	-90.70460	-138.36200	H	77.03020	-72.90120	-113.50800	H	90.60440	-80.07440	-112.48900
H	68.13220	-92.07800	-137.21600	H	75.65710	-73.80580	-112.86600	H	89.88390	-81.63660	-113.00200
H	68.67250	-90.51960	-135.42900	H	75.91950	-70.00790	-111.93400	H	87.60950	-80.74610	-112.53400
H	68.50080	-89.14670	-136.57500	H	76.94990	-70.36450	-113.37100	H	88.33340	-79.21200	-111.94100
H	66.62570	-88.24360	-135.20400	H	75.37540	-69.59590	-113.58500	H	86.48470	-79.44450	-114.34400
H	66.81250	-89.61240	-134.05600	H	71.80440	-72.39050	-114.27300	H	87.25070	-77.94890	-113.70400
H	67.20070	-86.64400	-133.44200	H	82.22870	-71.42070	-114.94700	H	88.57690	-77.74830	-115.81100
H	67.31300	-88.02620	-132.30400	H	80.54300	-71.01510	-114.68900	H	87.71350	-79.17200	-116.48300
H	69.74870	-87.50450	-131.96400	H	81.73100	-70.64950	-113.42700	H	85.63520	-74.66190	-119.72000
H	69.55940	-86.06360	-133.01500	H	106.30500	-86.32000	-102.33400	H	87.26350	-74.76220	-118.97900
H	70.26630	-86.09830	-130.01500	H	104.99900	-87.13580	-103.24700	H	86.61170	-76.12620	-119.93700
H	70.15920	-84.68860	-131.11000	H	106.52600	-86.67380	-104.07300	H	84.97480	-75.47860	-115.99500
H	68.17100	-83.87350	-129.75800	H	105.28200	-85.37050	-105.67700	H	86.48380	-74.64360	-116.43800
H	68.49160	-85.19870	-128.58800	H	103.74000	-85.81720	-104.87300	H	83.96720	-71.85260	-116.31800
H	68.59240	-82.31320	-127.96200	H	103.27500	-83.42500	-104.41000	H	83.30930	-73.28630	-115.50400
H	69.09910	-83.60280	-126.82000	H	104.85400	-82.96980	-105.13700	H	109.00300	-88.34380	-97.02150
H	71.45360	-82.62560	-126.91800	H	102.13700	-82.09500	-106.12500	H	108.24000	-86.94800	-96.20020
H	70.77690	-81.26630	-127.87700	H	103.73400	-81.65810	-106.82800	H	107.35700	-88.50720	-96.33640
H	72.08220	-81.02790	-125.24000	H	103.09400	-82.81680	-108.95300	H	105.52600	-87.37150	-97.46390
H	71.29110	-79.66130	-126.10100	H	101.48800	-83.19350	-108.24200	H	106.40900	-85.81280	-97.32790
H	69.72540	-79.38530	-124.16600	H	101.95700	-81.51270	-110.69800	H	106.48300	-85.63800	-99.80820
H	70.54970	-80.74710	-123.33100	H	100.38600	-81.88790	-109.92100	H	105.60100	-87.19810	-99.94450
H	70.40810	-77.97240	-122.27500	H	100.18200	-79.39030	-109.38900	H	104.64700	-84.50570	-100.93800
H	71.31650	-79.33630	-121.54200	H	101.57900	-79.12010	-110.48000	H	103.76400	-86.06590	-101.06900
H	73.45560	-78.02830	-121.92800	H	98.81600	-78.10920	-110.86500	H	101.93400	-85.14710	-99.65840
H	72.44820	-76.63970	-122.45600	H	100.11500	-77.91670	-112.09000	H	102.81200	-83.58550	-99.53560
H	74.24860	-76.62580	-120.08300	H	98.73660	-79.20530	-113.72900	H	100.08900	-84.02540	-100.73900
H	73.14020	-75.30220	-120.55700	H	97.46880	-79.42910	-112.47700	H	100.96400	-82.46170	-100.62300

H	100.95500	-82.27030	-103.10300	H	70.39980	-47.02790	-111.37300	H	55.73430	-72.51050	-78.90180
H	100.09100	-83.83990	-103.22200	H	72.07590	-45.96570	-109.88900	H	54.13920	-72.12690	-79.62570
H	99.03820	-81.19190	-104.16700	H	73.36850	-46.32250	-111.06800	H	53.17050	-74.19260	-78.61250
H	98.16660	-82.75910	-104.23200	H	70.08940	-44.86530	-112.03200	H	54.76790	-74.60510	-77.90650
H	96.42670	-81.81050	-102.67900	H	70.52580	-44.18450	-110.42600	H	54.73700	-72.48200	-76.58350
H	97.27400	-80.23040	-102.73800	H	71.51070	-42.19840	-111.55200	H	53.14190	-72.06580	-77.28600
H	94.45460	-80.86200	-103.74300	H	71.07960	-42.89130	-113.15200	H	51.24570	-74.15670	-74.17620
H	95.27280	-79.26150	-103.73400	H	68.35070	-40.60790	-112.39800	H	52.83630	-74.73060	-73.55920
H	95.16140	-79.17110	-106.20500	H	70.06470	-40.29240	-111.98800	H	53.02470	-72.70110	-72.13410
H	94.39680	-80.79420	-106.23700	H	69.63340	-40.98580	-113.58900	H	51.45170	-72.10650	-72.75580
H	93.20960	-78.22650	-107.28500	H	74.78490	-52.06350	-109.65900	H	50.30510	-74.11570	-71.80920
H	92.47060	-79.86250	-107.32500	H	73.31060	-52.41070	-108.71400	H	51.87520	-74.73570	-71.20300
H	90.57390	-79.05600	-105.94700	H	74.67550	-52.74380	-106.67100	H	52.13070	-72.71340	-69.76260
H	91.29230	-77.40750	-105.92500	H	76.18690	-52.64420	-107.64300	H	50.57260	-72.06920	-70.37670
H	88.63160	-78.21780	-107.18100	H	75.34860	-50.80980	-105.36200	H	49.37620	-74.05670	-69.44290
H	89.33790	-76.56490	-107.14000	H	76.87130	-50.70720	-106.31100	H	50.93060	-74.70990	-68.83460
H	89.49300	-76.57230	-109.62000	H	76.19660	-48.46890	-107.15800	H	50.44120	-72.54110	-65.27110
H	88.77040	-78.21580	-109.66400	H	74.66420	-48.57440	-106.22800	H	48.95920	-71.75850	-65.92670
H	87.65620	-75.72930	-110.91400	H	76.82840	-46.49240	-105.90800	H	47.56950	-73.60820	-65.01220
H	86.88460	-77.35330	-110.96100	H	75.28590	-46.59230	-104.99300	H	49.04000	-74.40640	-64.36690
H	84.88830	-76.39200	-109.78400	H	76.55350	-46.87720	-102.87700	H	49.49700	-72.42000	-62.92050
H	85.73660	-74.80440	-109.72300	H	78.09980	-46.78570	-103.79000	H	48.04610	-71.59740	-63.57880
H	81.76670	-74.01890	-112.00900	H	77.16930	-44.91180	-101.62200	H	46.59230	-73.41350	-62.67160
H	82.68700	-72.50040	-111.96900	H	78.72160	-44.83060	-102.52600	H	48.03740	-74.25440	-62.01930
H	109.57700	-75.30520	-99.36770	H	78.10690	-42.60950	-101.60700	H	48.54290	-72.27910	-60.57370
H	109.12800	-77.03480	-99.25870	H	78.09500	-42.59080	-103.40400	H	47.11650	-71.42200	-61.23800
H	109.90000	-76.39590	-100.75000	H	75.01270	-40.90200	-102.46700	H	44.65420	-73.10310	-58.31330
H	108.00700	-77.17640	-102.06400	H	76.55690	-40.73680	-101.57600	H	46.03930	-74.02970	-57.63280
H	107.23600	-77.81520	-100.57200	H	76.54580	-40.71650	-103.37300	H	46.60830	-72.11040	-56.15710
H	105.31500	-76.26760	-100.90300	H	69.95820	-71.10060	-105.93600	H	45.25720	-71.16080	-56.85460
H	106.08600	-75.62920	-102.39500	H	70.74000	-72.32940	-106.98100	H	43.62010	-72.85370	-56.01210
H	103.42600	-77.04930	-102.21300	H	68.65390	-72.09470	-107.53800	H	44.96430	-73.81650	-55.31700
H	104.19500	-76.41160	-103.70600	H	67.78750	-70.59360	-107.94400	H	45.58390	-71.90320	-53.83780
H	104.28700	-78.71520	-104.64300	H	67.65830	-72.03270	-108.98600	H	44.26390	-70.91690	-54.54770
H	103.52100	-79.35350	-103.14900	H	73.38140	-73.41190	-104.75100	H	42.57820	-72.57270	-53.72200
H	102.39600	-79.50030	-105.94800	H	72.62800	-73.61950	-106.35300	H	43.89450	-73.55280	-53.00100
H	101.64100	-80.14200	-104.44800	H	73.78710	-72.29000	-106.05000	H	43.57590	-71.24200	-49.48020
H	99.70750	-78.59790	-104.77600	H	72.85130	-71.35110	-103.38200	H	42.42130	-70.13390	-50.30330
H	100.45900	-77.99470	-106.29200	H	72.91820	-70.16660	-104.70900	H	40.51790	-71.55170	-49.54970
H	97.81380	-79.40140	-106.05900	H	71.40950	-70.37030	-103.75100	H	41.66080	-72.65770	-48.72110
H	98.59820	-78.83530	-107.57200	H	71.16030	-74.80180	-101.77800	H	42.42660	-70.78250	-47.25460
H	97.99230	-81.76950	-106.87400	H	70.03760	-75.00540	-103.15100	H	41.31300	-69.65900	-48.09890
H	98.64260	-81.18290	-108.42700	H	70.10140	-72.65600	-101.14400	H	39.35780	-71.02710	-47.35640
H	96.52730	-78.77240	-108.49800	H	68.88670	-72.83580	-102.44700	H	40.46440	-72.15640	-46.50740
H	97.22110	-79.79230	-109.80900	H	68.08540	-74.96670	-101.43100	H	41.25740	-70.29070	-45.04600
H	95.03340	-80.72290	-110.31800	H	69.31780	-74.82130	-100.13700	H	40.18280	-69.14780	-45.91180
H	94.33420	-79.98800	-108.84100	H	68.29620	-72.66720	-99.39250	H	37.00330	-70.03230	-43.36140
H	93.40800	-79.47430	-111.70100	H	67.04780	-72.80960	-100.67400	H	38.03880	-71.16170	-42.41680
H	92.71610	-78.87130	-110.15500	H	67.51040	-74.84040	-98.40490	H	38.79870	-69.27360	-40.98360
H	93.23240	-76.53570	-110.83500	H	66.22920	-74.93530	-99.65420	H	37.80300	-68.13340	-41.94410
H	93.81740	-77.13120	-112.42800	H	65.17140	-72.48940	-95.91490	H	36.72130	-70.51380	-40.31130
H	91.39550	-75.35630	-111.85200	H	63.77380	-72.61320	-97.04230	H	35.73160	-69.37190	-41.27760
H	91.94310	-75.88300	-113.48400	H	63.04060	-74.70570	-95.91720	H	37.51500	-68.62560	-38.87960
H	89.77690	-77.03130	-113.85500	H	64.46370	-74.63200	-94.82910	H	36.55210	-67.47120	-39.85920
H	89.35110	-76.79970	-112.14400	H	63.65880	-72.44860	-93.91060	H	35.41290	-69.81280	-38.21700
H	90.63340	-74.28810	-114.55000	H	62.22840	-72.51580	-94.99030	H	34.45220	-68.67310	-39.21250
H	89.32040	-75.23120	-115.33700	H	62.93040	-74.59630	-92.82930	H	35.06900	-67.11660	-34.97410
H	89.05610	-72.46120	-114.04300	H	61.48010	-74.62550	-93.88550	H	34.28840	-65.91200	-36.05970
H	88.99660	-72.87300	-115.79300	H	60.72860	-72.44720	-92.90660	H	32.05330	-66.87460	-35.52110
H	83.91740	-71.20920	-113.45200	H	62.19140	-72.40300	-91.87200	H	32.82550	-68.06690	-34.42670
H	85.65060	-70.93080	-113.30900	H	60.32930	-74.77060	-88.94920	H	33.71780	-66.20230	-33.01530
H	84.79890	-70.39480	-114.77900	H	58.76500	-74.57150	-89.81690	H	32.97220	-65.00320	-34.12060
H	85.53000	-74.51710	-113.83200	H	59.93440	-72.63370	-87.73600	H	30.70570	-65.92340	-33.59690
H	85.49080	-73.19610	-112.65500	H	58.37070	-72.42910	-88.58900	H	31.44640	-67.12060	-32.48400
H	82.94390	-75.36570	-114.77600	H	57.52650	-74.55160	-87.57480	H	32.35270	-65.26060	-31.08010
H	84.06040	-76.23600	-113.71200	H	59.09970	-74.79140	-86.74760	H	31.64190	-64.05930	-32.20380
H	82.38510	-76.00830	-113.19700	H	58.77670	-72.65600	-85.49350	H	28.01250	-64.12800	-30.13060
H	72.47400	-53.34000	-111.23300	H	57.20250	-72.40290	-86.31670	H	28.69870	-65.28400	-28.93360
H	71.26190	-53.20210	-109.91300	H	56.33020	-74.51930	-85.31520	H	29.56100	-63.37590	-27.58330
H	71.54010	-50.79160	-109.90300	H	57.91020	-74.79970	-84.51710	H	28.90520	-62.22020	-28.78680
H	72.75850	-50.93430	-111.21500	H	56.74980	-72.53280	-81.21100	H	26.58790	-63.05810	-28.33350
H	71.31290	-49.56510	-112.70600	H	55.14820	-72.20050	-81.96160	H	27.23980	-64.21170	-27.12480
H	70.09420	-49.42290	-111.39400	H	54.22880	-74.27090	-80.93570	H	28.12500	-62.30230	-25.77330
H	71.62040	-47.15910	-112.68900	H	55.82920	-74.63640	-80.21430	H	27.49240	-61.14440	-26.98940

H	25.16440	-61.95890	-26.55340	H	-171.82500	-37.84380	16.43570	H	-154.52000	-58.13500	23.73670
H	25.79580	-63.10420	-25.32780	H	-169.07100	-36.67350	16.84300	H	-153.22500	-59.46440	22.06260
H	25.47730	-60.06620	-22.41190	H	-169.57500	-37.83380	15.56250	H	-154.68400	-59.53930	21.01530
H	24.96890	-58.89890	-23.68380	H	-168.89000	-36.23090	13.80300	H	-152.09400	-58.25580	20.25680
H	22.58880	-59.55240	-23.33100	H	-168.64100	-34.96360	15.03500	H	-153.59100	-58.23270	19.26130
H	23.09160	-60.71050	-22.05770	H	-167.37200	-38.42600	15.46030	H	-153.65800	-55.73800	19.47420
H	24.04500	-58.82440	-20.71350	H	-167.29100	-38.04120	13.70580	H	-152.11500	-55.79170	20.39280
H	23.55840	-57.66410	-21.99140	H	-164.91300	-37.40370	13.95330	H	-152.59300	-54.38860	17.82910
H	21.16010	-58.29340	-21.65400	H	-164.99700	-37.73510	15.71880	H	-150.99800	-54.48310	18.64770
H	21.64330	-59.45370	-20.37320	H	-163.24700	-39.16680	13.66500	H	-149.96400	-55.44880	16.68080
H	22.60460	-57.57380	-19.03050	H	-163.29000	-39.47660	15.43690	H	-151.56200	-55.64570	15.87480
H	22.13700	-56.41400	-20.31410	H	-164.08900	-41.78270	15.03180	H	-160.97700	-62.01880	22.62060
H	18.33640	-55.97330	-18.59200	H	-164.11200	-41.47440	13.26360	H	-161.55400	-60.65340	23.63690
H	18.78710	-57.12300	-17.28270	H	-162.48000	-43.57250	14.72520	H	-160.01800	-60.48590	20.98410
H	19.71400	-55.23520	-15.94450	H	-162.58500	-43.27610	12.95820	H	-160.67300	-59.11650	21.94780
H	19.27850	-54.08830	-17.25210	H	-160.15400	-42.75660	12.89830	H	-158.39000	-58.25430	22.31450
H	16.86170	-54.68950	-16.97860	H	-160.03000	-43.13640	14.65340	H	-157.70000	-59.65070	21.41550
H	17.29400	-55.83930	-15.67190	H	-158.75900	-44.62660	12.27270	H	-157.37900	-56.73990	20.70490
H	18.23240	-53.95480	-14.31960	H	-158.49900	-44.99940	14.01250	H	-156.70200	-58.14920	19.82180
H	17.80960	-52.80230	-15.62850	H	-159.49300	-47.23300	13.71760	H	-158.02700	-57.52210	17.80940
H	15.39100	-53.39460	-15.36940	H	-159.95800	-46.82970	12.03150	H	-158.66800	-56.08650	18.68000
H	15.81200	-54.54550	-14.06190	H	-158.15400	-49.11370	12.90500	H	-156.94500	-56.09640	16.18890
H	15.55010	-51.43630	-11.24060	H	-158.73700	-48.70870	11.25540	H	-157.57100	-54.63670	17.03690
H	15.17210	-50.26640	-12.55510	H	-156.64500	-49.99900	11.14920	H	-155.25300	-53.83560	17.41320
H	12.74590	-50.78780	-12.32150	H	-156.41000	-48.33710	10.49870	H	-154.61300	-55.40230	16.83910
H	13.11890	-51.95990	-11.01690	H	-151.67700	-47.48220	13.26860	H	-157.26400	-53.53580	15.00680
H	14.09490	-50.11330	-9.63304	H	-152.23700	-47.55670	11.58280	H	-156.15200	-52.32080	15.73350
H	13.72740	-48.93880	-10.93760	H	-153.27400	-46.79330	12.78420	H	-155.96200	-53.47910	12.90470
H	11.28920	-49.45630	-10.72150	H	-149.66900	-73.00650	36.76930	H	-156.53000	-51.81860	13.31850
H	11.65340	-50.63840	-9.42156	H	-151.12300	-72.00100	37.05450	H	-152.48400	-52.08660	14.61730
H	12.62970	-48.80320	-8.02605	H	-151.03900	-73.07810	35.61890	H	-152.13500	-53.39400	13.48690
H	12.26390	-47.62140	-9.32300	H	-151.41700	-71.17240	34.16750	H	-149.97700	-50.20410	14.80950
H	8.40981	-47.07330	-7.71185	H	-151.50000	-70.09280	35.60230	H	-151.01900	-51.10390	15.94000
H	8.76073	-48.30790	-6.45030	H	-149.51800	-68.83790	34.76500	H	-149.30300	-51.47980	15.86340
H	9.69787	-46.53060	-4.97358	H	-149.45000	-69.91010	33.32570	H	-154.31600	-15.03930	13.53280
H	9.34610	-45.29790	-6.22753	H	-149.87800	-66.93210	33.32000	H	-155.46600	-16.18720	14.28400
H	6.90493	-45.83990	-6.08020	H	-149.82700	-68.00000	31.87700	H	-154.04200	-15.60240	15.21000
H	7.25387	-47.08250	-4.83538	H	-152.16300	-67.35070	31.31570	H	-153.31700	-17.89950	15.54630
H	8.18772	-45.31530	-3.32920	H	-152.21400	-66.28700	32.76490	H	-154.74200	-18.48390	14.62090
H	7.83742	-44.06900	-4.57211	H	-152.51600	-65.40550	29.89300	H	-153.22600	-19.49870	12.92810
H	5.40007	-44.61780	-4.43793	H	-152.54800	-64.34490	31.34290	H	-151.80100	-18.91510	13.85400
H	5.74749	-45.87470	-3.20908	H	-150.50700	-63.17160	30.52010	H	-152.50500	-21.79360	13.26390
H	5.47969	-43.03390	-0.13960	H	-150.50200	-64.21580	29.05930	H	-151.08000	-21.21090	14.18980
H	5.08399	-41.75460	-1.34254	H	-150.76200	-61.22750	29.11720	H	-151.89700	-22.41730	16.20710
H	2.66708	-42.33880	-1.16831	H	-150.78300	-62.26610	27.65240	H	-153.32300	-22.99840	15.28190
H	3.05944	-43.62850	0.01343	H	-153.08400	-61.47170	27.12740	H	-151.17900	-24.71490	16.54190
H	3.99333	-41.90960	1.58122	H	-153.05600	-60.42980	28.59070	H	-152.60600	-25.29340	15.61710
H	3.59305	-40.61730	0.40340	H	-153.31600	-59.49060	25.75320	H	-151.09500	-26.31070	13.92150
H	1.17009	-41.22340	0.55772	H	-153.25200	-58.43460	27.20570	H	-149.66800	-25.73690	14.84980
H	1.56910	-42.52760	1.72355	H	-151.15600	-57.37890	26.31010	H	-150.38900	-28.60950	14.25170
H	2.49185	-40.82320	3.31142	H	-151.27600	-58.43360	24.86000	H	-148.96100	-28.04080	15.18060
H	2.07321	-39.52040	2.15349	H	-151.37900	-55.43920	24.77590	H	-149.78700	-29.24930	17.19260
H	-1.79213	-39.35080	3.87389	H	-151.57700	-56.56450	23.38830	H	-151.22100	-29.81030	16.26720
H	-1.36956	-40.74440	4.93094	H	-153.90800	-55.72820	23.06190	H	-149.09900	-31.55950	17.51680
H	-0.49214	-39.16510	6.65366	H	-153.65100	-54.52200	24.36540	H	-150.53500	-32.11240	16.59060
H	-0.93795	-37.77690	5.60940	H	-154.20400	-54.04750	21.41860	H	-149.03900	-33.14130	14.88720
H	-3.34134	-38.48280	5.69532	H	-154.00600	-52.76030	22.65470	H	-147.60300	-32.60060	15.82250
H	-2.89453	-39.88140	6.72443	H	-152.08400	-51.83100	21.40970	H	-148.38200	-35.45580	15.20400
H	-2.03930	-38.31280	8.48325	H	-152.13000	-53.21730	20.27360	H	-146.94400	-34.92610	16.14160
H	-2.50093	-36.91510	7.45835	H	-152.39500	-50.39840	19.42990	H	-147.80600	-36.12480	18.14320
H	-4.89325	-37.64240	7.54127	H	-152.56500	-51.81850	18.34110	H	-149.25300	-36.64020	17.21240
H	-4.43265	-39.06440	8.52984	H	-154.92300	-51.15620	17.85700	H	-147.19600	-38.44630	18.46460
H	-5.25972	-35.31860	10.99280	H	-154.73900	-49.76350	18.97540	H	-148.64700	-38.95050	17.53060
H	-3.50317	-35.48590	11.31480	H	-156.15700	-48.11710	14.57350	H	-147.17400	-40.05280	15.84890
H	-179.39900	-36.28720	19.19570	H	-155.81400	-46.75270	15.64110	H	-145.73100	-39.56390	16.79880
H	-178.55300	-37.85640	19.03290	H	-152.79900	-49.73860	14.86700	H	-146.70500	-42.44660	16.24670
H	-178.06000	-36.69480	20.31240	H	-154.47600	-49.96900	14.34920	H	-145.21100	-41.92030	17.09090
H	-175.79200	-36.69050	19.43590	H	-151.87700	-49.79980	11.42330	H	-145.95100	-44.17670	17.88000
H	-176.28400	-37.85190	18.15680	H	-151.25800	-49.86800	13.06330	H	-145.96500	-42.93050	19.17150
H	-175.70100	-36.17680	16.41120	H	-155.40900	-61.66610	25.66260	H	-150.45000	-45.93440	21.34540
H	-175.20900	-35.01520	17.69030	H	-156.85500	-61.97620	24.63920	H	-148.85600	-46.58510	20.87790
H	-173.43400	-36.17280	15.53630	H	-157.19300	-59.52440	24.39490	H	-148.94100	-45.11730	21.86510
H	-172.94300	-35.01110	16.81540	H	-155.78000	-59.22630	25.45940	H	-174.64000	-26.58560	5.36575
H	-171.33300	-36.68200	17.71460	H	-155.97100	-58.24980	22.69590	H	-173.16600	-25.83650	6.04974

H	-173.03000	-27.07100	4.75173	H	-167.82100	-21.47430	5.13818	H	-149.57500	-34.02960	29.16470
H	-171.62100	-28.43730	6.18280	H	-166.38300	-21.95370	4.18591	H	-148.67100	-35.04430	27.99640
H	-171.74400	-27.19600	7.47496	H	-167.76300	-23.08800	4.36614	H	-149.00300	-36.99840	29.63000
H	-172.82600	-28.87250	8.97216	H	-166.29500	-24.76910	5.33724	H	-150.23300	-35.98550	30.45030
H	-172.67900	-30.11460	7.68110	H	-164.90600	-23.65270	5.11031	H	-150.64100	-38.56930	28.89480
H	-171.35700	-30.20090	10.40660	H	-164.49600	-23.64420	7.55683	H	-151.94400	-37.62210	29.68590
H	-171.17900	-31.44010	9.11491	H	-165.91200	-24.71950	7.80370	H	-152.82900	-39.01900	27.83440
H	-168.75700	-30.92480	8.95591	H	-163.03900	-25.36740	8.51261	H	-153.02300	-37.26560	27.48300
H	-168.93900	-29.67390	10.23500	H	-164.47400	-26.41710	8.74744	H	-152.40000	-38.61610	21.92360
H	-167.11600	-31.98520	10.37680	H	-163.46800	-28.06090	7.10555	H	-153.43700	-39.54810	23.03770
H	-167.39800	-30.78080	11.67850	H	-161.98700	-27.04930	7.06815	H	-153.49400	-37.77540	23.05720
H	-168.18100	-32.64990	13.17550	H	-162.18200	-29.88500	8.05394	H	-121.02200	-31.12120	16.14410
H	-167.78600	-33.81370	11.86350	H	-160.70100	-28.86910	8.07116	H	-122.56000	-31.67390	15.41180
H	-166.47300	-33.82820	14.51190	H	-160.63500	-29.03810	10.56280	H	-122.30900	-29.93230	15.77670
H	-165.98900	-34.84300	13.10790	H	-162.09200	-30.08860	10.52270	H	-124.30700	-29.93640	17.16410
H	-163.74600	-33.64520	13.13650	H	-159.35600	-30.83950	11.54440	H	-124.55700	-31.67750	16.79950
H	-164.23400	-32.87680	14.68010	H	-160.78900	-31.91760	11.49990	H	-124.30900	-32.21920	19.21590
H	-161.96700	-34.82880	14.22470	H	-159.55600	-33.44220	9.92914	H	-124.05900	-30.47810	19.58050
H	-162.41100	-34.10670	15.80840	H	-158.12700	-32.35920	10.04260	H	-126.30400	-32.22250	20.60170
H	-162.88700	-36.38350	16.70180	H	-158.09500	-35.19170	10.84150	H	-126.05400	-30.48140	20.96610
H	-162.48100	-37.09200	15.09980	H	-156.75000	-34.03250	11.10900	H	-128.23200	-29.94290	19.89070
H	-161.05200	-37.59500	17.75640	H	-156.97600	-34.39130	13.58360	H	-128.48300	-31.68430	19.52760
H	-160.72200	-38.36890	16.16850	H	-158.24400	-35.62160	13.26540	H	-130.22000	-29.94090	21.28010
H	-158.46000	-37.37000	16.13320	H	-155.65600	-36.11970	14.62870	H	-130.46200	-31.68670	20.91450
H	-158.77400	-36.56130	17.70220	H	-156.85400	-37.38720	14.20810	H	-129.82500	-30.56190	23.69380
H	-156.67100	-38.73970	16.99900	H	-155.13500	-38.51230	12.77910	H	-130.32200	-32.23690	23.32630
H	-156.83600	-37.75200	18.48760	H	-153.94300	-37.25520	13.25590	H	-132.67000	-31.33430	21.42520
H	-157.21000	-39.77060	19.84050	H	-153.67100	-40.16410	13.81900	H	-132.63100	-32.60990	22.68970
H	-157.12400	-40.80840	18.37210	H	-152.54700	-38.88510	14.39450	H	-134.28100	-31.30500	24.02750
H	-155.12100	-40.65070	20.82910	H	-153.05100	-39.53490	16.76780	H	-134.33300	-30.06010	22.73340
H	-155.15900	-41.87220	19.50520	H	-154.27200	-40.69220	16.17230	H	-136.63300	-31.69580	23.67320
H	-153.03500	-41.07110	18.63190	H	-150.74900	-40.11050	15.13120	H	-136.69200	-30.52470	22.31580
H	-152.99700	-39.72200	19.81980	H	-150.81100	-40.35680	16.90750	H	-137.37400	-32.33140	20.76110
H	-151.47200	-44.06130	19.80720	H	-150.08600	-42.41640	14.76350	H	-137.21600	-33.53950	22.07990
H	-150.29500	-43.05160	18.94940	H	-149.00200	-41.70950	16.01310	H	-139.77400	-32.92750	20.59130
H	-148.94500	-46.42510	18.48990	H	-150.25000	-46.40970	15.23590	H	-139.57100	-34.09420	21.94330
H	-150.60800	-46.50180	19.04100	H	-148.74300	-46.54320	16.17690	H	-141.08600	-32.68110	23.34710
H	-172.17900	-22.24430	4.31744	H	-150.13100	-47.52170	16.65410	H	-141.38800	-31.62130	21.93280
H	-172.37200	-22.79840	6.00901	H	-152.17600	-44.40630	17.74550	H	-143.37500	-33.30670	23.46240
H	-170.92200	-21.85060	5.53001	H	-151.97800	-44.68020	16.01450	H	-143.74200	-32.23020	22.07350
H	-169.48900	-23.64580	6.32482	H	-152.22800	-47.83930	18.32440	H	-144.61800	-34.17390	20.79310
H	-170.93700	-24.59510	6.80031	H	-152.84300	-46.38030	19.18850	H	-144.17200	-35.26600	22.14880
H	-170.29400	-26.38350	5.19370	H	-153.97800	-47.53870	18.49510	H	-147.00800	-34.81000	21.14970
H	-168.84900	-25.43380	4.71199	H	-155.16800	-46.74790	13.98280	H	-146.49100	-35.87490	22.50320
H	-168.83500	-28.16860	5.98444	H	-151.54100	-42.48110	22.96190	H	-147.72100	-34.40550	24.10480
H	-167.39300	-27.20540	5.51357	H	-152.19000	-43.68970	21.86960	H	-148.33000	-33.42580	22.72890
H	-166.68000	-27.12590	7.90228	H	-150.68200	-44.01760	22.73860	H	-153.18200	-36.22120	24.67440
H	-168.11000	-28.10930	8.35445	H	-125.90400	-26.17900	29.25800	H	-151.77300	-35.74290	25.67210
H	-165.18100	-28.89530	8.70233	H	-127.07400	-25.73900	27.97560	H	-152.54400	-34.57040	24.56150
H	-166.63200	-29.81990	9.18267	H	-127.19200	-24.98670	29.60300	H	-150.11900	-37.68950	22.82000
H	-165.99500	-31.60230	7.50826	H	-129.46000	-25.77640	29.82250	H	-150.00700	-37.40310	24.57400
H	-164.46300	-30.71330	7.21011	H	-129.37300	-26.53620	28.19720	H	-151.78200	-40.71420	24.34770
H	-164.61300	-33.44170	8.26253	H	-129.80200	-28.76290	29.20230	H	-151.02100	-40.32650	22.79150
H	-163.08500	-32.49600	8.21540	H	-129.81000	-28.02940	30.84260	H	-119.63300	-25.95360	28.86250
H	-162.99400	-32.64880	10.73560	H	-132.12300	-29.47110	29.54190	H	-119.64500	-27.74170	28.95180
H	-164.44400	-33.70490	10.68730	H	-132.09800	-28.72790	31.17900	H	-119.76700	-26.91740	27.35970
H	-161.74000	-34.45190	11.71620	H	-133.90500	-27.14690	30.46830	H	-121.86000	-28.07550	26.92100
H	-163.16300	-35.54880	11.62820	H	-133.94200	-27.94400	28.85880	H	-121.73800	-28.89950	28.51260
H	-161.88000	-37.06220	10.11420	H	-136.24400	-27.82190	30.79780	H	-123.85600	-27.81430	29.23720
H	-160.47000	-35.95550	10.22210	H	-136.21000	-28.63580	29.20120	H	-123.97800	-26.98930	27.64470
H	-160.44800	-38.78590	11.09580	H	-136.48800	-30.85370	30.45260	H	-125.95300	-28.97110	28.79340
H	-159.10000	-37.62090	11.32350	H	-136.84300	-29.89250	31.92440	H	-126.07000	-28.14890	27.19930
H	-159.32700	-37.90510	13.81140	H	-138.69900	-31.74380	30.53400	H	-125.94900	-30.35390	26.05470
H	-160.58600	-39.15250	13.52780	H	-139.19100	-30.70790	31.91530	H	-125.84200	-31.17490	27.64830
H	-157.91100	-39.59970	14.85620	H	-140.89200	-29.60020	30.45730	H	-128.00500	-31.53180	25.58630
H	-159.16600	-40.83920	14.54200	H	-140.35400	-30.61120	29.07350	H	-127.90400	-32.35220	27.18050
H	-157.54800	-42.04080	13.03170	H	-143.11400	-30.60140	30.20170	H	-130.06600	-31.31860	27.84960
H	-156.29900	-40.81750	13.44220	H	-142.51400	-31.65610	28.87690	H	-130.16200	-30.48860	26.26020
H	-156.08000	-43.72680	13.98490	H	-142.98600	-33.66570	30.29470	H	-132.12900	-32.50610	27.29730
H	-154.89000	-42.49190	14.51320	H	-143.65800	-32.59160	31.56700	H	-132.18200	-31.70840	25.69080
H	-155.40600	-43.09620	16.91080	H	-145.13400	-34.72490	30.08450	H	-131.90400	-33.96360	24.60580
H	-156.49900	-44.38830	16.30170	H	-145.85800	-33.62780	31.30860	H	-131.96900	-34.72320	26.22970
H	-152.81900	-46.45990	14.91130	H	-147.44900	-32.76870	29.58630	H	-133.95800	-35.08160	23.93270
H	-152.07700	-47.80490	15.81350	H	-146.67200	-33.82600	28.35920	H	-133.98400	-35.90210	25.53200

H	-136.16000	-34.84540	26.05800	H	-166.86000	-71.12630	31.38340	H	-111.97900	-49.87290	-1.66829
H	-136.12300	-33.97250	24.49050	H	-168.07000	-69.93320	30.79900	H	-111.50500	-50.96480	-0.32799
H	-138.21600	-35.94290	25.40320	H	-158.29500	-62.14770	27.94890	H	-110.44100	-52.52940	-1.95498
H	-138.17200	-35.04560	23.84840	H	-158.01500	-63.08460	26.45520	H	-110.93200	-51.46760	-3.31477
H	-138.07900	-37.18560	22.59960	H	-155.64500	-63.43340	27.09410	H	-109.56100	-49.60880	-2.38124
H	-138.15200	-38.09270	24.15080	H	-155.83100	-62.29360	28.47450	H	-109.09000	-50.63770	-0.98914
H	-140.23600	-38.12820	21.92280	H	-155.07700	-65.23970	28.61650	H	-107.98500	-52.25190	-2.54414
H	-140.30000	-39.05080	23.46470	H	-155.24200	-64.11130	30.00560	H	-108.45700	-51.23320	-3.94159
H	-142.33600	-37.78890	24.13160	H	-157.11600	-65.47920	30.89820	H	-104.90300	-49.03730	-3.49586
H	-142.28500	-36.88230	22.58230	H	-156.97000	-66.59840	29.50190	H	-104.54600	-49.87180	-1.94200
H	-144.49500	-38.66120	23.55420	H	-156.63100	-67.30150	32.41910	H	-103.27400	-51.62300	-3.16045
H	-144.47600	-37.79010	21.98060	H	-156.50200	-68.42020	31.01950	H	-103.63800	-50.81890	-4.72159
H	-144.63700	-40.00020	20.80420	H	-154.13400	-68.88430	31.60220	H	-102.42700	-48.77100	-3.96738
H	-144.59700	-40.81420	22.41040	H	-154.25700	-67.76030	33.00020	H	-102.08900	-49.54050	-2.38357
H	-148.55500	-42.16930	20.39900	H	-153.64700	-70.70840	33.10290	H	-100.77000	-51.32780	-3.51628
H	-148.50300	-42.89900	22.01760	H	-153.75600	-69.58020	34.49830	H	-101.11700	-50.58610	-5.11344
H	-124.70100	-34.33730	37.78350	H	-154.16500	-71.92120	35.21010	H	-99.94680	-48.49500	-4.40717
H	-124.37400	-33.30110	36.36060	H	-155.63600	-70.91290	35.43020	H	-99.62220	-49.21330	-2.79823
H	-125.44800	-32.71410	37.67620	H	-156.86000	-73.95620	33.85800	H	-96.04230	-50.85000	-4.17150
H	-127.23800	-32.37840	36.06470	H	-155.55100	-73.91470	35.07890	H	-96.36410	-50.26490	-5.84321
H	-126.16500	-32.96500	34.74970	H	-157.02200	-72.90690	35.29950	H	-95.23900	-48.11340	-5.32015
H	-127.72600	-34.85350	34.31650	H	-149.57700	-53.10780	12.37970	H	-94.95080	-48.65810	-3.63667
H	-128.80100	-34.26630	35.63110	H	-149.61200	-51.31610	12.40220	H	-93.53960	-50.54140	-4.47158
H	-129.51200	-34.51740	32.70550	H	-151.01200	-52.07180	10.92150	H	-93.83590	-50.02620	-6.16391
H	-130.58800	-33.92980	34.01870	H	-152.30200	-53.27770	11.14960	H	-92.74420	-47.83280	-5.70336
H	-130.75500	-31.71710	32.89200	H	-152.62700	-51.74130	10.30840	H	-92.47310	-48.31310	-3.99601
H	-129.67500	-32.30270	31.58190	H	-146.27900	-50.67650	13.66490	H	-91.04000	-50.21760	-4.75107
H	-132.53600	-31.38220	31.27550	H	-147.80800	-49.95010	13.10540	H	-91.30780	-49.74450	-6.45915
H	-131.44500	-31.96300	29.97050	H	-147.63600	-50.54360	14.78480	H	-87.98510	-47.17750	-6.22391
H	-133.00800	-33.85670	29.52370	H	-146.22800	-53.12080	14.32040	H	-87.86330	-47.45560	-4.45009
H	-134.10600	-33.24080	30.80630	H	-147.77800	-53.17030	15.19200	H	-86.33480	-49.37520	-4.84551
H	-134.76500	-33.52000	27.88790	H	-147.51000	-54.22680	13.76220	H	-86.45830	-49.12320	-6.61671
H	-135.83500	-32.86400	29.17180	H	-145.54800	-51.75650	9.99079	H	-85.47140	-46.84230	-6.37566
H	-134.77300	-31.27620	26.76090	H	-145.55100	-53.53640	10.26540	H	-85.37690	-47.06000	-4.59829
H	-135.94400	-30.67900	27.96470	H	-143.42500	-51.55480	11.26730	H	-83.82440	-48.98850	-4.90349
H	-137.59200	-33.42900	27.84990	H	-143.41800	-53.32320	11.55840	H	-83.92150	-48.79710	-6.68519
H	-138.12800	-31.72270	28.05040	H	-143.25600	-53.74400	9.10338	H	-82.95870	-46.49920	-6.49987
H	-139.33000	-31.79480	25.93850	H	-143.31000	-51.97900	8.78625	H	-82.88510	-46.66780	-4.71754
H	-138.58200	-33.36900	25.52190	H	-141.21200	-51.66420	10.09550	H	-79.08140	-48.36440	-4.96157
H	-141.57200	-32.82720	25.78320	H	-141.14900	-53.42390	10.43910	H	-79.12980	-48.31170	-6.76013
H	-140.72900	-34.33270	25.27850	H	-141.03500	-52.14990	7.63879	H	-78.16490	-46.02200	-6.72983
H	-141.66400	-35.51900	27.25350	H	-140.93800	-53.90400	7.99792	H	-78.15030	-46.03880	-4.93713
H	-142.59600	-34.04650	27.69460	H	-136.91300	-51.74010	8.13236	H	-76.59430	-47.98820	-6.74823
H	-143.67300	-36.77100	26.81500	H	-136.75400	-53.47140	8.59549	H	-76.57580	-47.97830	-4.95479
H	-144.67400	-35.35000	27.28260	H	-136.39100	-54.08910	6.21877	H	-75.64430	-45.68240	-6.78443
H	-145.70200	-35.31380	25.02710	H	-136.59600	-52.37620	5.72777	H	-75.65230	-45.63980	-4.99064
H	-144.50200	-36.49230	24.45110	H	-134.62400	-51.72630	7.11152	H	-74.06270	-47.62660	-6.72284
H	-146.58800	-36.64720	27.51130	H	-134.41700	-53.42770	7.63708	H	-74.07550	-47.58020	-4.93113
H	-147.62700	-36.17630	26.12160	H	-134.24300	-52.43340	4.72638	H	-70.87280	-44.88270	-6.72451
H	-147.34200	-38.98800	27.31810	H	-133.99800	-54.12270	5.28131	H	-71.04030	-44.65250	-4.94744
H	-148.75400	-37.87970	27.42750	H	-132.07000	-53.36470	6.69739	H	-69.44020	-46.51280	-4.54658
H	-149.55500	-42.58290	24.06160	H	-132.31600	-51.68310	6.13162	H	-69.27270	-46.76360	-6.31420
H	-148.69200	-42.06730	25.50850	H	-129.89000	-52.47330	2.75177	H	-68.36960	-44.44890	-6.57072
H	-150.47200	-42.14820	25.53480	H	-129.46100	-54.05260	3.50208	H	-68.56620	-44.16720	-4.81066
H	-148.26600	-39.18350	23.35090	H	-128.07900	-51.35690	4.03031	H	-66.96300	-46.01620	-4.32318
H	-147.62200	-40.74920	23.86850	H	-127.65900	-52.90970	4.82065	H	-66.76680	-46.32130	-6.08066
H	-150.03600	-39.30530	21.07220	H	-127.06500	-53.89770	2.60921	H	-65.87050	-44.00970	-6.39056
H	-148.40000	-38.63440	21.16140	H	-127.52100	-52.36850	1.78917	H	-66.09020	-43.68440	-4.64211
H	-148.77200	-39.82710	19.91180	H	-125.76200	-51.14310	3.05634	H	-62.29110	-45.19570	-3.80603
H	-160.01400	-61.39180	25.46650	H	-125.31300	-52.65050	3.91905	H	-62.03650	-45.61610	-5.53753
H	-159.48500	-62.77010	24.44210	H	-124.66700	-53.71200	1.75249	H	-61.09990	-43.35290	-5.95975
H	-160.33300	-64.33350	26.09280	H	-125.13100	-52.21740	0.87734	H	-61.38640	-42.90250	-4.24808
H	-160.84900	-62.95330	27.12050	H	-121.27100	-50.68770	1.44381	H	-59.82790	-44.70670	-3.49974
H	-163.21300	-63.70510	26.94320	H	-120.84400	-52.06290	2.52247	H	-59.54360	-45.18010	-5.20607
H	-162.69700	-65.08510	25.91510	H	-120.00300	-53.34990	0.57327	H	-58.60270	-42.92060	-5.68961
H	-164.04100	-65.25470	28.61640	H	-120.45400	-52.00590	-0.52586	H	-58.91290	-42.41840	-3.99510
H	-163.51700	-66.62980	27.58010	H	-118.87900	-50.48120	0.66554	H	-57.37130	-44.21010	-3.17592
H	-162.04000	-67.46310	29.38760	H	-118.44500	-51.79770	1.80234	H	-57.05580	-44.71330	-4.86682
H	-162.33300	-65.97630	30.33240	H	-117.54300	-53.15260	-0.08428	H	-53.90040	-41.93600	-5.05450
H	-165.05100	-67.90390	28.68890	H	-117.99800	-51.86150	-1.24512	H	-54.36370	-41.26780	-3.44877
H	-163.83000	-69.08930	29.26930	H	-116.47700	-50.26060	-0.07712	H	-52.86920	-42.90740	-2.32582
H	-165.14600	-69.40140	31.35570	H	-116.03500	-51.53330	1.10381	H	-52.40770	-43.59240	-3.91726
H	-166.35600	-68.20870	30.77170	H	-112.89900	-52.78820	-1.33896	H	-51.45160	-41.38900	-4.60349
H	-167.77100	-71.43680	29.87410	H	-113.39900	-51.65740	-2.64725	H	-51.93920	-40.67750	-3.03110

H	-50.46340	-42.29150	-1.82952	H	17.44300	115.28100	-47.46460	H	11.80250	111.75200	-26.51820
H	-49.97720	-43.02490	-3.39343	H	14.89530	114.01400	-46.35370	H	9.57562	110.91300	-26.06220
H	-49.00980	-40.84070	-4.12630	H	16.32070	114.56300	-45.40240	H	8.82802	112.20100	-27.07580
H	-49.51600	-40.09160	-2.57887	H	14.92070	116.24000	-44.24030	H	12.26620	124.70100	-24.44660
H	-45.93460	-41.24870	-0.76843	H	13.50020	115.74800	-45.22130	H	13.81560	124.74900	-25.35650
H	-45.40560	-42.08780	-2.27013	H	13.75860	115.62600	-42.20180	H	11.47220	122.80600	-25.76090
H	-44.35840	-39.98690	-3.08718	H	12.33670	115.20800	-43.21420	H	12.97950	122.90700	-26.73560
H	-44.91300	-39.12490	-1.61589	H	12.43660	112.86400	-42.39240	H	13.60960	120.62500	-26.04000
H	-43.54780	-40.65630	-0.18942	H	13.80870	113.30100	-41.31240	H	12.14560	120.52000	-25.00080
H	-42.99880	-41.54050	-1.64975	H	10.96580	112.40400	-40.53160	H	12.83190	118.70200	-27.30480
H	-41.92620	-39.46280	-2.52019	H	12.32230	112.72100	-39.39460	H	11.37700	118.61600	-26.25630
H	-42.49610	-38.55450	-1.08127	H	11.05780	114.55500	-38.34480	H	9.92623	119.02200	-28.23760
H	-41.16640	-40.06340	0.40546	H	9.76929	114.40900	-39.58620	H	11.38040	119.06500	-29.29260
H	-40.59590	-40.97570	-1.02748	H	9.41859	114.11300	-36.58300	H	9.09738	117.07800	-29.40520
H	-37.35570	-38.33100	-1.39581	H	8.16678	114.07200	-37.87030	H	10.54190	117.09300	-30.47940
H	-38.02590	-37.28390	-0.09416	H	7.40351	112.85700	-35.87180	H	11.15680	114.81300	-29.72080
H	-36.79150	-38.60110	1.61447	H	7.59411	111.73900	-37.26940	H	9.90512	114.89200	-28.44740
H	-36.13320	-39.66790	0.33276	H	10.27900	107.86900	-34.33090	H	9.22958	115.88000	-31.97470
H	-34.97650	-37.71770	-0.71539	H	8.76641	108.02400	-35.25280	H	10.39330	114.50700	-32.01110
H	-35.65260	-36.63010	0.54033	H	10.21710	108.80600	-35.87410	H	7.34379	114.29500	-32.20030
H	-34.45700	-37.91350	2.31415	H	19.41480	123.29800	-4.54360	H	8.49414	114.07900	-33.57170
H	-33.79060	-39.02560	1.07375	H	20.17870	124.11600	-5.94128	H	9.38226	111.02800	-30.73860
H	-32.60490	-37.11340	-0.01479	H	18.40800	124.25700	-5.67162	H	7.76538	111.11100	-30.03990
H	-33.27980	-35.99260	1.21036	H	17.99910	123.36000	-7.88715	H	10.33070	108.03200	-30.76660
H	-30.02970	-36.76760	3.73897	H	19.77020	123.21700	-8.15907	H	10.95600	109.59100	-30.17260
H	-29.40070	-38.00880	2.59773	H	19.52690	120.75000	-8.40565	H	10.65470	108.29000	-29.02830
H	-28.08030	-36.26590	1.41495	H	17.75570	120.90200	-8.14893	H	25.47010	95.19800	-60.14190
H	-28.71840	-35.01210	2.52704	H	19.12280	119.83900	-10.60960	H	25.65520	96.87400	-59.54000
H	-27.67760	-36.18700	4.47008	H	17.35090	120.00300	-10.36650	H	26.69220	95.56090	-58.88490
H	-27.05790	-37.46570	3.37644	H	17.23030	121.56500	-12.30020	H	25.91280	96.06690	-56.63750
H	-25.69120	-35.77440	2.15280	H	19.00580	121.40500	-12.53790	H	24.87620	97.37970	-57.29250
H	-26.31870	-34.47860	3.22419	H	16.86310	120.63500	-14.52060	H	22.85170	96.19840	-56.45620
H	-25.32210	-35.62560	5.20851	H	18.63710	120.46100	-14.74630	H	23.88830	94.88580	-55.80070
H	-24.71070	-36.93540	4.14979	H	18.36720	117.98600	-14.89690	H	22.07340	96.70500	-54.21180
H	-21.17620	-34.81640	3.47415	H	16.59190	118.17300	-14.70220	H	23.10970	95.39260	-53.55550
H	-21.78300	-33.42080	4.43574	H	18.01520	116.97900	-17.05890	H	24.38020	97.06380	-52.21930
H	-20.85190	-34.43000	6.50719	H	16.23960	117.18400	-16.88390	H	23.34540	98.37660	-52.87710
H	-20.27870	-35.84820	5.57248	H	16.21580	118.65600	-18.89260	H	23.59970	97.57460	-49.97510
H	-18.78940	-34.36820	4.21697	H	17.99140	118.44400	-19.06580	H	22.56620	98.88720	-50.63540
H	-19.36470	-32.93710	5.13252	H	15.90730	117.61700	-21.05940	H	20.53850	97.71000	-49.80050
H	-18.47710	-33.91710	7.24780	H	17.67880	117.36800	-21.22880	H	21.57280	96.40030	-49.13560
H	-17.92820	-35.37290	6.35425	H	17.29380	114.88600	-21.29390	H	19.75430	98.23060	-47.56320
H	-16.40440	-33.95350	4.96748	H	15.52690	115.18300	-21.15470	H	20.78700	96.92210	-46.89340
H	-16.94280	-32.49800	5.86495	H	16.82620	113.82700	-23.49120	H	22.05230	98.60100	-45.56260
H	-13.90490	-33.23900	8.70578	H	15.08530	114.23800	-23.31450	H	21.02660	99.91120	-46.23930
H	-13.56110	-34.82890	7.93618	H	15.25960	115.76000	-25.28740	H	21.25820	99.14040	-43.32770
H	-11.88340	-33.75070	6.44660	H	16.96090	115.24200	-25.52790	H	20.23560	100.44900	-44.01230
H	-12.21220	-32.16280	7.21258	H	14.58080	114.86500	-27.37310	H	18.19600	99.28920	-43.17990
H	-11.46690	-33.06170	9.42224	H	16.26140	114.34500	-27.73180	H	19.22100	97.98880	-42.48260
H	-11.17560	-34.66730	8.67924	H	15.51360	111.99900	-27.93970	H	17.39420	99.85690	-40.96130
H	-9.45501	-33.66580	7.16963	H	13.87040	112.45700	-27.38770	H	18.41580	98.55950	-40.25300
H	-9.73531	-32.05480	7.90941	H	14.42610	111.16600	-29.98720	H	19.67750	100.26300	-38.95120
H	-9.02058	-32.94170	10.13210	H	12.81350	111.75500	-29.45550	H	18.66910	101.56200	-39.67240
H	-8.78583	-34.56720	9.41653	H	12.77260	113.35300	-31.37290	H	18.87630	100.87500	-36.74810
H	-4.89036	-33.69650	8.30327	H	14.39920	112.77300	-31.86410	H	17.87180	102.17200	-37.48280
H	-4.98168	-32.08490	9.08771	H	11.29660	112.27900	-35.63390	H	15.81620	101.06900	-36.60250
H	21.73500	127.72300	-54.41940	H	12.85700	111.56500	-36.05100	H	16.83050	99.79470	-35.84730
H	20.83000	127.69000	-52.87500	H	10.69970	110.23100	-32.56180	H	15.04790	101.86200	-34.39320
H	22.48300	126.99200	-52.96620	H	10.19150	111.66600	-33.46440	H	15.98200	100.50500	-33.68120
H	21.62360	124.85600	-52.18300	H	7.58223	108.74400	-33.44700	H	15.66740	102.35600	-32.02710
H	19.97110	125.55400	-52.09160	H	8.98444	108.59800	-32.40280	H	17.38790	102.05300	-32.43760
H	19.18280	123.91100	-53.78610	H	14.90440	120.42100	-20.55900	H	18.09770	107.76100	-31.55090
H	20.83540	123.21300	-53.87780	H	13.90720	121.58700	-21.49780	H	17.31940	106.59800	-30.44320
H	18.32480	121.77700	-53.00300	H	14.82540	120.65100	-23.61150	H	18.87650	106.18900	-31.18050
H	19.97760	121.07900	-53.09500	H	15.85370	119.52700	-22.66380	H	13.81110	116.24700	-65.08220
H	19.93620	120.65800	-50.64290	H	13.85510	118.64200	-24.62390	H	14.70870	114.77200	-64.61330
H	18.28340	121.35600	-50.55100	H	14.77550	117.56800	-23.52770	H	12.98220	114.96000	-64.15410
H	19.08390	118.52600	-49.86440	H	12.62970	116.74700	-22.54360	H	13.56280	114.67900	-61.81190
H	17.43090	119.23400	-49.78030	H	11.72180	117.80800	-23.67610	H	15.28680	114.47600	-62.27250
H	16.59300	117.53400	-51.37490	H	11.53860	114.82600	-23.60070	H	15.87530	116.49700	-60.93440
H	18.26250	116.98600	-51.68920	H	10.72230	115.88300	-24.80470	H	14.15100	116.68000	-60.46050
H	16.98240	117.59200	-48.25780	H	12.05820	114.79400	-26.62190	H	16.47420	116.14800	-58.58900
H	15.60580	116.97900	-49.23910	H	12.79140	113.69700	-25.40300	H	14.74950	116.30400	-58.10230
H	16.03180	114.68700	-48.40800	H	11.17770	112.89600	-27.75340	H	14.75740	113.94600	-57.32700

H	16.47650	113.78700	-57.83040	H	16.49850	108.11900	-58.63860	H	22.07160	106.12300	-37.81470
H	15.46240	113.32200	-55.10260	H	14.24520	107.67900	-57.57170	H	22.66460	107.68300	-37.18260
H	17.18370	113.27500	-55.61170	H	14.62420	105.92600	-57.59810	H	23.50590	106.90500	-38.53630
H	17.67070	115.12800	-53.97600	H	14.19100	107.61700	-55.14810	H	19.18980	74.49110	-29.78190
H	15.95490	115.05700	-53.44450	H	14.62100	105.87300	-55.15520	H	18.34800	75.91870	-30.45900
H	18.24330	114.48400	-51.66360	H	16.74630	106.41100	-53.95690	H	19.46700	74.95990	-31.48740
H	16.51180	114.24700	-51.23730	H	16.27910	108.14500	-53.92140	H	20.77490	76.96180	-31.93000
H	17.00990	111.76600	-50.98920	H	16.73310	106.35200	-51.54010	H	19.65620	77.92030	-30.90190
H	18.75070	112.14900	-51.17320	H	16.24730	108.07800	-51.47370	H	21.53510	78.46190	-29.36240
H	17.35790	111.01200	-48.74000	H	14.10410	107.40000	-50.35090	H	22.65370	77.50330	-30.39040
H	19.11100	111.38700	-48.85030	H	14.65410	105.69000	-50.39390	H	22.84180	80.46140	-29.80530
H	18.86270	113.04100	-47.00310	H	14.04730	107.14600	-47.90940	H	23.96020	79.50250	-30.83330
H	17.10120	112.68800	-46.92970	H	14.77350	105.50600	-47.98810	H	23.34580	80.89610	-32.80140
H	19.16750	112.24400	-44.71880	H	16.80580	106.38400	-46.80410	H	22.22810	81.85560	-31.77300
H	17.39100	111.98900	-44.62800	H	15.99910	107.98100	-46.65440	H	24.65740	82.88760	-33.24250
H	17.74140	109.57100	-44.24820	H	16.88270	106.27200	-44.39510	H	23.53500	83.84070	-32.20720
H	19.51680	109.79300	-44.36390	H	15.96510	107.80500	-44.22460	H	26.49100	83.34020	-31.56910
H	17.80700	108.84700	-41.94580	H	14.11780	106.55100	-43.09340	H	25.41000	84.47850	-30.71830
H	19.58890	108.84200	-42.15490	H	15.08000	105.04000	-43.23620	H	24.23960	85.67430	-33.39030
H	19.86160	110.38400	-40.25920	H	14.22200	106.28200	-40.67070	H	24.76620	86.50270	-31.88570
H	18.07720	110.48300	-40.04370	H	15.28270	104.83900	-40.82400	H	26.62140	87.58220	-33.15330
H	20.25460	109.20400	-38.12310	H	17.10270	106.07000	-39.60720	H	26.05520	86.77310	-34.65400
H	18.51670	109.52400	-37.77200	H	16.08490	107.53600	-39.60410	H	26.22060	89.71050	-34.21100
H	18.04410	107.14100	-37.65960	H	15.30440	104.01900	-38.67800	H	25.56510	88.92950	-35.68680
H	19.72160	106.73300	-38.16180	H	16.76480	104.55800	-37.78570	H	23.37840	90.04050	-35.32740
H	17.64220	107.44500	-34.12400	H	13.88510	104.44900	-36.75650	H	23.97830	90.74590	-33.78910
H	17.30540	105.78400	-34.64060	H	15.27870	103.44700	-36.21730	H	23.04720	92.34430	-36.17900
H	15.28280	106.11000	-31.60280	H	12.45940	106.55100	-33.63310	H	23.69370	92.99920	-34.63520
H	15.80150	107.68800	-32.16390	H	13.17310	105.50900	-32.37510	H	25.65200	93.92820	-35.88660
H	14.80200	111.89300	-67.54380	H	13.19570	107.25900	-32.14350	H	24.90490	93.39500	-37.42660
H	16.05040	112.66600	-66.51960	H	15.68290	107.79200	-35.07820	H	25.55380	96.20960	-36.54040
H	16.01030	110.87800	-66.69750	H	14.01550	107.39100	-35.49090	H	24.83940	95.73060	-38.11610
H	15.82830	110.64500	-64.28520	H	14.61140	109.55900	-32.27660	H	22.83790	97.12740	-37.63830
H	15.86440	112.43100	-64.10640	H	16.07410	109.58400	-33.33200	H	23.51320	97.54020	-36.02490
H	13.58900	112.37800	-63.09990	H	14.96860	110.95800	-33.32440	H	22.95010	99.55020	-38.23560
H	13.54790	110.59300	-63.28270	H	11.36290	110.66100	-36.39620	H	23.63360	99.88960	-36.60750
H	13.40690	112.11700	-60.68370	H	21.17010	107.41800	-34.03440	H	25.77990	100.59000	-37.67440
H	13.38210	110.33000	-60.87360	H	19.66840	108.31500	-33.91000	H	25.04080	100.36500	-39.29520
H	15.50710	110.17400	-59.57690	H	20.22720	107.35300	-32.53270	H	25.64650	106.24700	-38.87320
H	15.50530	111.95600	-59.37350	H	33.28780	79.08690	-30.54070	H	26.69900	105.02300	-38.09590
H	15.33880	109.87200	-57.14830	H	32.40470	79.61780	-32.00520	H	26.28870	104.90100	-39.83340
H	15.39050	111.65000	-56.98790	H	34.19850	79.70300	-31.95080	H	23.20980	103.91900	-36.97060
H	13.05790	111.58500	-56.01740	H	34.11680	82.06600	-32.42820	H	24.89100	104.05700	-36.39980
H	13.14830	109.79200	-56.03400	H	32.32260	82.01070	-32.49100	H	23.22370	107.08500	-34.91360
H	12.82140	111.40800	-53.61450	H	32.19550	83.63400	-30.61960	H	21.99560	105.92700	-35.46190
H	13.16090	109.64300	-53.57110	H	33.98770	83.63660	-30.49040	H	32.80410	73.50490	-27.66550
H	15.31800	110.15800	-52.36060	H	32.26050	86.02860	-31.13470	H	32.05510	74.37280	-26.29030
H	14.83970	111.88700	-52.32080	H	34.05300	85.99730	-30.99740	H	31.03230	73.75970	-27.63450
H	15.30400	110.12200	-49.95570	H	34.23000	86.65710	-33.40640	H	30.18850	76.00820	-28.01740
H	14.77020	111.83800	-49.88810	H	32.43740	86.72980	-33.49780	H	31.21110	76.62110	-26.67370
H	12.68090	111.12400	-48.72510	H	34.30280	89.04960	-33.95990	H	32.43770	78.08020	-28.27200
H	13.23800	109.41800	-48.79740	H	32.51100	89.07160	-33.99750	H	31.41470	77.46670	-29.61680
H	12.69880	110.89800	-46.28880	H	32.60030	90.61220	-31.95240	H	31.59020	80.33020	-28.65990
H	13.39160	109.24400	-46.38660	H	34.36290	90.77050	-32.24250	H	30.56430	79.71380	-30.00100
H	15.47110	110.09100	-45.25460	H	32.34870	92.94450	-32.38200	H	28.52480	80.40730	-28.75770
H	14.68710	111.69500	-45.07220	H	34.07100	93.16660	-32.83760	H	29.55120	81.03120	-27.42250
H	15.56020	109.88000	-42.82210	H	33.36020	93.80200	-35.14800	H	27.64490	82.62690	-29.11990
H	14.75180	111.47100	-42.65700	H	31.64550	93.52850	-34.68810	H	28.67210	83.25710	-27.78850
H	12.80040	110.32200	-41.55450	H	32.75800	96.12580	-35.64030	H	29.82880	84.76560	-29.39360
H	13.68680	108.76500	-41.67050	H	31.07290	95.83170	-35.09200	H	28.81020	84.12830	-30.72790
H	12.81110	110.04700	-39.14020	H	31.41570	97.47470	-33.23340	H	28.87150	86.97850	-29.78700
H	13.80750	108.55700	-39.24530	H	33.06580	97.81190	-33.85620	H	27.82120	86.31660	-31.08270
H	15.66990	109.78300	-38.05800	H	30.82230	99.77140	-33.62520	H	25.80450	86.91170	-29.69740
H	14.57250	111.19800	-37.89450	H	32.44210	100.13200	-34.31230	H	26.89250	87.66180	-28.48420
H	12.24500	108.71200	-35.02800	H	31.37630	100.73500	-36.48890	H	24.77230	89.05980	-30.18980
H	12.39870	108.89700	-33.26250	H	29.77020	100.30900	-35.80580	H	25.80840	89.79920	-28.92040
H	15.71990	107.95200	-65.56890	H	30.50020	103.06300	-36.80530	H	26.85020	91.27960	-30.60930
H	14.59970	106.74100	-64.87320	H	28.96110	102.52000	-36.06480	H	25.86660	90.51260	-31.89940
H	14.28670	108.49500	-64.64410	H	29.51440	104.06300	-34.08730	H	25.84290	93.42380	-31.11080
H	14.31170	108.21500	-62.22640	H	30.75700	104.81400	-35.13810	H	24.88180	92.64100	-32.41010
H	14.57490	106.45300	-62.45740	H	28.19690	106.05100	-34.05170	H	22.77980	93.30630	-31.27560
H	16.72960	106.60100	-61.23690	H	29.38610	106.89100	-35.10150	H	23.73430	94.11750	-29.98520
H	16.50390	108.37200	-61.04250	H	27.13280	107.91800	-35.27510	H	21.82840	95.45850	-31.95380
H	16.72230	106.34700	-58.79960	H	27.64290	107.18900	-36.83830	H	22.76750	96.26800	-30.65180

H	24.02300	97.56040	-32.36460	H	17.88280	124.80400	-16.46080	H	-6.22463	64.23480	-18.58140
H	23.07040	96.76840	-33.66470	H	16.12570	124.91900	-16.10990	H	-5.54216	64.52470	-16.94170
H	23.19150	99.70230	-33.05620	H	18.38830	125.58200	-14.22330	H	-7.67358	63.77920	-15.90820
H	22.20190	98.94930	-34.35590	H	16.62920	125.71200	-13.88280	H	-8.38420	63.51410	-17.53320
H	20.14200	99.87960	-33.26700	H	16.85340	124.03700	-12.06310	H	-6.64124	61.79990	-18.03380
H	21.18470	100.56300	-31.96690	H	18.61320	123.90000	-12.40520	H	-5.89143	62.07670	-16.42880
H	18.92900	104.17600	-33.81170	H	17.34080	124.81100	-9.83137	H	-7.98342	61.32210	-15.30340
H	20.02160	104.80900	-32.56260	H	19.09960	124.66000	-10.17060	H	-8.76348	61.06630	-16.89930
H	36.98860	83.63560	-20.23060	H	18.68160	126.27900	-8.33788	H	-7.03220	59.36230	-17.48340
H	36.19860	82.57440	-21.43680	H	19.38790	127.09700	-9.77341	H	-6.23187	59.62640	-15.90230
H	37.67900	83.49320	-21.87620	H	16.64640	129.26300	-8.76241	H	-8.62658	56.68760	-14.15180
H	36.48320	84.53880	-23.71780	H	17.70530	128.38500	-7.61646	H	-9.58579	56.50580	-15.66410
H	35.00340	83.62000	-23.27840	H	18.41230	129.20400	-9.05108	H	-8.00058	54.77670	-16.47780
H	33.80630	85.75740	-22.84050	H	6.82436	108.55300	-29.38140	H	-7.00621	54.97230	-14.99900
H	35.28570	86.67640	-23.28070	H	7.67327	107.73700	-30.73290	H	-8.92540	54.22460	-13.58940
H	32.61070	86.79910	-24.67980	H	6.06012	108.97500	-31.50160	H	-9.94761	54.05240	-15.05310
H	34.08930	87.71900	-25.12170	H	5.75120	110.69800	-31.17110	H	-8.39370	52.32540	-15.95500
H	34.12850	86.59070	-27.33960	H	5.72441	110.06800	-32.83750	H	-7.33614	52.50810	-14.51720
H	32.65340	85.66690	-26.89560	H	8.96996	104.85800	-28.96110	H	-9.20551	51.76220	-13.03580
H	32.92690	87.62690	-29.17740	H	8.86881	105.70000	-30.52840	H	-10.27240	51.58660	-14.46540
H	31.45840	86.69270	-28.72940	H	10.07300	106.19300	-29.29970	H	-8.93643	47.64120	-14.96130
H	30.24680	88.83130	-28.29350	H	8.41510	106.11500	-26.83330	H	-7.69248	47.86600	-13.68040
H	31.71200	89.74970	-28.78160	H	9.22076	107.64800	-27.24230	H	-9.30634	47.08950	-11.95930
H	29.02780	89.84310	-30.12800	H	7.45536	107.61600	-26.90300	H	-10.56870	46.88590	-13.21660
H	30.51190	90.71860	-30.63300	H	5.20873	103.95000	-29.30150	H	-9.16042	45.18330	-14.37740
H	29.07160	88.56120	-32.28650	H	4.60525	104.85600	-27.86720	H	-7.86900	45.40000	-13.15240
H	30.46140	89.53520	-32.83300	H	6.35553	102.33000	-27.80000	H	-9.41647	44.61920	-11.36050
H	29.15100	92.21740	-31.65950	H	5.75531	103.22100	-26.36550	H	-10.73080	44.42120	-12.56630
H	30.14080	91.91700	-33.13230	H	3.39690	102.73000	-27.03180	H	-9.36474	42.72550	-13.79120
H	28.28610	92.54460	-34.57340	H	3.98106	101.87000	-28.49390	H	-8.03599	42.93340	-12.60720
H	27.15760	92.55600	-33.18160	H	5.20250	100.23500	-27.05570	H	-9.68278	39.97470	-10.16440
H	27.75860	94.92080	-35.01100	H	4.62967	101.08800	-25.58540	H	-11.12120	39.83020	-11.23680
H	26.58010	94.79970	-33.65870	H	2.82349	99.74760	-27.68840	H	-9.95388	38.10710	-12.59190
H	27.81410	96.57000	-32.42390	H	2.26365	100.57200	-26.19750	H	-8.49458	38.26710	-11.56270
H	28.92440	96.77020	-33.82380	H	3.34694	96.15680	-25.63220	H	-11.27440	37.37040	-10.57810
H	26.92430	98.79080	-32.69620	H	2.80429	96.91690	-24.09430	H	-9.79636	37.50960	-9.57180
H	28.03600	99.07920	-34.08220	H	0.45315	96.29550	-24.60330	H	-10.16600	35.64540	-11.99530
H	26.09610	99.47300	-35.57460	H	0.96839	95.57780	-26.16440	H	-8.66428	35.79580	-11.02480
H	24.99340	98.87720	-34.31350	H	2.41042	93.93950	-24.94910	H	-11.40400	34.90080	-9.94463
H	27.71050	101.37900	-33.99530	H	1.91747	94.65500	-23.38090	H	-9.89779	35.04620	-8.98415
H	26.73810	101.75800	-35.45920	H	0.01408	93.33340	-25.41120	H	-10.38450	30.94570	-10.90950
H	26.48380	103.08500	-32.70390	H	-0.45348	94.01810	-23.81930	H	-8.76468	31.14460	-10.15080
H	27.14740	103.79800	-34.21550	H	1.05929	92.37560	-22.67910	H	-9.67721	30.37430	-7.97250
H	22.01910	105.98800	-32.48660	H	1.52483	91.69770	-24.27040	H	-11.30460	30.19410	-8.70364
H	23.50730	105.30800	-31.83250	H	-1.81547	89.11460	-24.17530	H	-10.42000	28.48120	-10.28920
H	23.55860	106.88000	-32.67110	H	-2.09802	89.61920	-22.47040	H	-8.77636	28.67500	-9.59861
H	22.91530	103.14100	-34.67960	H	-0.20653	87.38450	-23.40950	H	-9.60382	27.90740	-7.37540
H	22.62270	103.43100	-32.95790	H	-0.45377	87.88850	-21.70730	H	-11.26090	27.73040	-8.04101
H	20.91080	104.24400	-36.44200	H	-2.86151	87.24910	-21.84880	H	-10.43680	26.01920	-9.66383
H	21.23620	102.54300	-36.07160	H	-2.64774	86.77940	-23.56690	H	-8.77307	26.20720	-9.02516
H	19.59180	103.16200	-35.88580	H	-0.98717	85.04410	-22.90260	H	-9.49092	23.28250	-6.13373
H	15.04380	124.17300	-23.25310	H	-1.16394	85.51590	-21.18080	H	-11.21210	23.14400	-6.64153
H	13.48330	124.17100	-22.36210	H	-3.57512	84.86830	-21.23950	H	-10.59630	21.39780	-8.29698
H	14.27260	125.98900	-20.96150	H	-3.41706	84.41770	-22.96760	H	-8.87019	21.55190	-7.83708
H	15.83620	125.97800	-21.84580	H	-2.23020	80.55460	-21.89340	H	-9.41028	20.82910	-5.50917
H	15.43130	128.31700	-22.59100	H	-2.21820	81.00100	-20.15030	H	-11.14530	20.69430	-5.94257
H	13.86740	128.32800	-21.70660	H	-4.59364	80.30930	-19.94240	H	-10.60350	18.94020	-7.62912
H	16.24740	130.11400	-21.18130	H	-4.64020	79.89650	-21.68720	H	-8.85853	19.08620	-7.23738
H	14.67810	130.11500	-20.30010	H	-2.86259	78.17890	-21.34460	H	-9.31953	18.37970	-4.88398
H	15.84550	129.63500	-18.16760	H	-2.77587	78.59910	-19.60380	H	-11.06460	18.23680	-5.26610
H	17.37490	129.36300	-19.04870	H	-5.14721	77.89550	-19.29890	H	-10.45480	14.25090	-6.43633
H	15.14770	132.26600	-19.69770	H	-5.26737	77.50150	-21.04570	H	-8.67167	14.44940	-6.29264
H	15.07390	131.91800	-17.93490	H	-3.46010	75.79380	-20.79460	H	-8.77288	13.73980	-3.91386
H	16.84170	133.62200	-17.54010	H	-3.32094	76.19120	-19.05330	H	-10.55280	13.55820	-4.03079
H	16.91510	133.95500	-19.30380	H	-6.21189	73.31210	-18.14570	H	-10.27460	11.79630	-5.77691
H	14.70560	136.53000	-17.99470	H	-6.54722	73.03470	-19.89250	H	-8.49326	11.99140	-5.70545
H	16.15190	135.91800	-17.13530	H	-4.78428	71.28840	-19.96780	H	-8.49814	11.29410	-3.31173
H	16.22490	136.25100	-18.89960	H	-4.40585	71.57530	-18.23930	H	-10.28300	11.11510	-3.35604
H	16.82280	123.59300	-20.77150	H	-6.71168	70.86990	-17.59870	H	-10.07240	9.34772	-5.10864
H	15.05710	123.48800	-20.53000	H	-7.12500	70.61160	-19.32500	H	-8.29040	9.53795	-5.09376
H	15.38080	121.76800	-18.77270	H	-5.35500	68.86760	-19.50540	H	-7.95361	6.72448	-2.02857
H	17.13500	121.67300	-19.16450	H	-4.89925	69.13390	-17.79060	H	-9.74349	6.58097	-1.90755
H	15.89050	122.46800	-16.50210	H	-7.18176	68.42510	-17.06310	H	-9.72548	4.76626	-3.60319
H	17.64630	122.36300	-16.87150	H	-7.65220	68.17070	-18.77410	H	-7.94729	4.92396	-3.77216

H	-7.64928	4.30326	-1.37234	H	-4.97446	-9.57970	2.18381	H	-2.21229	-21.16670	5.40119
H	-9.42646	4.16552	-1.17656	H	-6.60540	-9.65935	2.94013	H	-3.59337	-21.14130	6.54608
H	-9.48641	2.33429	-2.86707	H	-7.19269	-11.59650	1.50146	H	-4.56296	-23.15950	5.43639
H	-7.71409	2.48174	-3.10642	H	-5.58831	-11.50840	0.70503	H	-3.19224	-23.18670	4.28120
H	-7.33280	1.88871	-0.70776	H	-4.46270	-11.94830	2.88877	H	-0.99772	-25.54400	6.97653
H	-9.10155	1.74453	-0.45968	H	-6.05541	-12.00950	3.71000	H	-2.26393	-25.33160	8.23717
H	-8.90111	-2.30037	-1.55802	H	-6.71525	-13.97000	2.31923	H	-3.42057	-27.38000	7.43709
H	-7.18120	-2.11482	-2.05551	H	-5.14135	-13.90470	1.45941	H	-2.17929	-27.59700	6.16074
H	-6.44110	-2.69001	0.24457	H	-3.93808	-14.30670	3.61282	H	-0.40565	-27.82280	7.90246
H	-8.14820	-2.85446	0.76689	H	-5.50384	-14.35960	4.48192	H	-1.62422	-27.56500	9.19200
H	-8.48320	-4.71945	-0.85740	H	-5.75648	-18.47890	3.80441	H	-2.83215	-29.62920	8.48210
H	-6.79060	-4.54470	-1.42441	H	-4.30791	-18.43590	2.73647	H	-1.63094	-29.89690	7.17714
H	-5.95298	-5.09469	0.85785	H	-2.83391	-18.81790	4.69718	H	0.18948	-30.08560	8.86989
H	-7.63887	-5.24868	1.45233	H	-4.25866	-18.82430	5.78497	H	-0.98683	-29.78890	10.18840
H	-8.04118	-7.12720	-0.14427	H	-5.16919	-20.82850	4.60913	H	-2.48231	-33.88360	8.83667
H	-6.36703	-6.96557	-0.76387	H	-3.76949	-20.82030	3.48728	H	-1.90512	-33.77540	10.53260

Final geometry data molecular dynamics (xyz-data).

number of atoms: 4697

C	-16.386765	9.333958	10.867914	C	-20.429214	12.448501	0.235568	C	-15.977678	1.194414	8.966976
C	-17.183964	8.263385	10.062411	C	-20.122578	12.237416	-1.243526	C	-14.613013	1.188334	8.187005
C	-17.100513	6.854988	10.672202	O	-18.754656	11.904225	-1.396950	C	-13.475638	1.770537	9.140314
C	-17.277790	6.487527	12.193812	C	-18.473299	11.742935	-2.768742	C	-12.122684	1.660596	8.506893
C	-18.584183	6.932828	12.809695	C	-16.938541	11.374454	-2.928974	O	-11.106641	1.979737	9.092270
O	-19.576551	6.289415	12.973272	O	-16.196993	12.582281	-2.638163	O	-12.105344	1.205441	7.219041
C	-16.652292	8.379198	8.570150	C	-14.793822	12.386830	-2.573604	C	-10.796598	1.005442	6.613779
C	-15.366918	7.627185	8.051487	C	-14.121178	13.770923	-2.449296	C	-11.053994	0.087311	5.350446
C	-15.013045	8.229893	6.655918	O	-12.712090	13.582801	-2.317658	C	-9.829223	-0.118387	4.399000
C	-13.781160	8.061771	5.804369	C	-12.032052	14.859646	-2.312177	C	-10.162621	-1.267468	3.394835
C	-13.503997	6.604390	5.450502	C	-10.514266	14.534025	-2.231114	C	-8.991433	-1.368053	2.372772
O	-12.522698	5.991728	5.761571	O	-10.060993	14.159013	-3.526624	C	-9.042087	-2.601819	1.559801
C	-18.658733	8.705209	10.042631	C	-8.655906	14.049098	-3.483711	O	-9.996639	-3.371923	1.592795
O	-19.647825	7.999632	10.312709	C	-8.192485	13.540622	-4.897701	O	-7.885066	-2.830327	0.874483
C	-15.626998	6.131709	8.075149	O	-8.551133	14.438982	-5.920992	C	-7.804174	-3.993220	0.012575
O	-14.912522	5.272359	8.568755	C	-8.175385	13.941193	-7.211616	C	-6.589925	-3.914110	-0.887952
C	-14.126556	7.863763	8.992031	C	-17.273861	4.917144	12.270621	C	-6.517528	-2.550514	-1.531132
O	-16.766890	5.755400	7.453626	C	-16.013882	6.877515	13.056093	C	-5.259198	-2.418936	-2.489736
C	-17.059343	4.370806	7.392107	O	-18.503241	8.236781	13.165362	C	-5.277114	-1.005879	-3.136081
C	-18.129131	4.242777	6.286636	C	-19.718534	8.880134	13.608065	C	-3.910849	-0.521720	-3.542218
O	-19.401590	4.762483	6.692393	C	-19.389540	10.360249	13.505656	O	-2.959594	-1.202812	-3.739051
C	-20.245111	5.006444	5.563722	C	-20.670279	11.183478	13.845825	O	-3.881694	0.822160	-3.598258
C	-21.647896	5.286632	6.070716	C	-20.389326	12.703235	13.927442	C	-2.657361	1.414032	-4.029688
O	-22.423773	5.359166	4.918333	C	-21.472395	13.532367	14.614227	C	-1.665784	1.417933	-2.816625
C	-23.681925	6.057651	5.039135	C	-22.766840	13.584855	13.878587	C	-0.353820	2.153665	-3.203556
C	-24.455894	5.866949	3.781525	O	-23.843607	13.800396	14.414743	C	-0.495062	3.685363	-2.929730
O	-23.873358	6.673430	2.678512	O	-22.654774	13.411253	12.571759	C	0.742059	4.441864	-3.373803
C	-24.786148	6.892215	1.602083	C	-23.885515	13.360562	11.791554	C	0.658410	4.707624	-4.861143
C	-24.120234	7.886001	0.697532	C	-24.014120	11.959427	11.217824	O	-0.300375	4.438206	-5.564933
O	-22.950319	7.397771	0.153278	C	-25.054316	12.024163	10.108433	O	1.801130	5.251543	-5.373598
C	-22.286551	8.408170	-0.577247	C	-25.390718	10.561927	9.522676	C	1.872719	5.370599	-6.831542
C	-21.139248	7.730551	-1.363011	C	-26.113424	10.570208	8.197400	C	2.231195	6.792709	-7.309167
O	-20.131645	7.112950	-0.562145	C	-26.255013	9.164184	7.647037	C	1.018008	7.719262	-7.209708
C	-18.930168	6.900829	-1.358596	O	-26.163322	8.118947	8.240105	C	1.251417	9.232265	-7.624790
C	-19.182602	5.561625	-2.122122	O	-26.559092	9.218297	6.304888	C	1.704811	9.437223	-9.058502
O	-19.929647	5.619378	-3.298559	C	-26.911831	7.956030	5.680076	C	0.819031	8.710133	-10.035910
C	-19.948807	4.417302	-4.099404	C	-28.258284	7.405422	6.155629	O	-0.395303	8.679602	-9.924920
C	-20.961781	4.542527	-5.268807	C	-28.809202	6.144995	5.419356	O	1.534969	8.145525	-11.047462
O	-22.222282	4.733074	-4.642211	C	-27.899876	4.917767	5.560018	C	0.868876	7.269671	-11.971409
C	-23.272856	4.803577	-5.593696	C	-28.566275	3.835498	4.628587	C	1.192446	5.892110	-11.381250
C	-24.502293	5.379398	-4.882991	C	-27.681063	2.587983	4.580384	C	0.680356	4.753246	-12.282868
O	-25.096834	4.411473	-4.021705	O	-28.113415	1.452793	4.787062	C	0.935366	3.390053	-11.637979
C	-25.904978	5.080778	-3.007783	O	-26.415539	2.914165	4.097892	C	0.322976	3.171113	-10.229777
O	-18.776545	9.997068	9.732471	C	-25.370829	1.891260	4.186914	C	-1.143878	3.013996	-10.195090
C	-20.066769	10.587554	9.550681	C	-24.737505	1.958285	5.600695	O	-1.926423	3.157824	-11.110785
C	-20.066057	11.546219	8.361747	C	-23.723494	0.817991	5.790538	O	-1.555720	2.770765	-8.931853
O	-19.729284	10.973643	7.104338	C	-22.956610	1.051475	7.108085	C	-2.979376	2.713642	-8.764262
C	-20.476957	9.826565	6.755461	C	-21.756575	0.181846	7.230080	C	-3.473609	2.579735	-7.342834
C	-20.169291	9.367008	5.322382	C	-20.876335	0.500423	8.340327	C	-5.014072	2.647103	-7.236223
O	-20.783039	10.317195	4.445346	O	-21.244642	1.009728	9.398234	C	-5.623016	2.469885	-5.865945
C	-20.598892	10.033284	3.050726	O	-19.592430	0.227968	8.020201	C	-7.175716	2.480220	-5.867887
C	-20.755390	11.368859	2.344822	C	-18.548641	0.625588	8.921435	C	-7.790887	1.965455	-4.583406
O	-20.546944	11.233406	0.991633	C	-17.143986	0.646810	8.178133	O	-8.619647	1.092905	-4.514055

O	-7.196073	2.596725	-3.521762	C	-6.754429	-10.184932	-17.995773	C	-25.934797	-4.896599	-0.340778
C	-7.556634	2.117910	-2.209159	O	-6.491081	-11.525478	-17.524521	C	-25.692766	-5.069828	-1.843070
C	-8.814161	2.713472	-1.611511	C	-7.493561	-12.419565	-17.703012	C	-26.899551	-4.712623	-2.692734
C	-9.052277	2.697872	-0.133601	C	-7.219797	-13.754902	-17.122990	C	-26.753555	-5.065303	-4.186194
C	-10.308772	3.509935	0.252211	C	-8.503809	-14.529549	-16.879520	O	-25.608950	-4.406289	-4.845599
C	-10.453937	3.521735	1.757531	C	-9.599567	-13.767838	-16.042517	C	-25.645409	-3.062757	-4.996568
C	-9.444095	4.235313	2.582244	C	-10.992502	-14.565939	-16.038445	C	-24.415974	-2.617153	-5.676586
O	-8.811388	3.733800	3.507232	C	-12.160555	-13.856782	-15.272868	C	-24.581553	-2.430035	-7.221620
O	-9.171723	5.454704	2.092695	O	-11.948252	-13.721401	-13.841251	C	-23.249477	-1.895753	-7.883585
C	-7.997193	6.084451	2.577589	C	-11.734510	-14.847578	-13.121228	C	-23.398718	-1.726845	-9.418907
C	-6.837589	5.609928	1.736845	C	-11.605240	-14.532251	-11.656398	C	-22.236170	-0.957198	-10.068173
C	-6.780592	6.199317	0.348168	C	-11.144145	-13.108262	-11.404563	O	-20.971064	-1.571235	-9.760838
C	-5.581875	5.660463	-0.474747	C	-10.836224	-12.823053	-9.863638	C	-19.891991	-0.981412	-10.340280
C	-5.612955	6.300630	-1.863237	C	-10.202583	-11.471733	-9.625536	C	-18.655853	-1.799379	-10.082365
C	-4.468858	5.813928	-2.671254	C	-9.716491	-11.210249	-8.201987	C	-17.332043	-1.066974	-9.926957
O	-3.866439	4.738055	-2.584667	O	-10.787552	-11.266154	-7.248735	C	-16.162100	-1.992122	-10.069268
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C	-3.062724	6.295045	-4.507065	C	-12.869959	-10.553626	-6.553798	C	-13.474212	-1.962035	-10.106357
C	-3.033064	7.077663	-5.825642	C	-13.783038	-9.420033	-6.118148	O	-13.284012	-2.345323	-11.490146
C	-4.135304	6.740123	-6.831601	C	-13.041515	-8.502457	-5.156073	C	-13.573284	-3.649069	-11.768880
C	-5.567324	6.840290	-6.178797	C	-13.821785	-7.269673	-4.623329	C	-13.639038	-3.943500	-13.200444
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C	-8.004004	6.592131	-6.550609	O	-12.775724	-7.146699	-2.334047	C	-14.554929	-5.540043	-14.992395
O	-8.194602	6.566638	-5.364550	C	-11.699506	-6.832778	-1.532927	C	-15.231946	-6.903862	-15.274330
O	-8.957676	6.796413	-7.504685	C	-11.540343	-7.722061	-0.339693	C	-15.510352	-7.117102	-16.729753
C	-10.314489	6.962577	-7.109175	C	-10.482837	-7.304909	0.658423	O	-16.686062	-6.410282	-17.117928
C	-11.054094	5.593689	-6.930267	C	-10.202098	-8.414939	1.682004	C	-17.082722	-6.603816	-18.380772
C	-11.213482	4.838458	-8.242729	C	-9.175703	-7.883952	2.724048	C	-18.391373	-5.867992	-18.648924
C	-11.976394	3.500995	-8.001677	C	-8.629252	-9.001432	3.615284	C	-19.606730	-6.777888	-18.699873
C	-11.094026	2.374449	-7.515724	O	-8.044026	-8.510042	4.812628	C	-19.621988	-7.767140	-17.521275
C	-10.156755	1.782510	-8.556629	C	-7.311228	-9.378345	5.580312	C	-20.882692	-8.624730	-17.693638
O	-9.977585	2.201661	-9.697480	C	-6.832449	-8.735507	6.853074	C	-20.909210	-9.837087	-16.766483
O	-9.451979	0.733968	-8.073140	C	-7.576444	-7.458199	7.181534	O	-20.066380	-10.850829	-17.310778
C	-8.537331	0.011921	-8.922424	C	-7.209974	-6.901116	8.551245	C	-19.978968	-11.996858	-16.582678
C	-7.748207	-1.167056	-8.161658	C	-7.754045	-5.456831	8.799698	C	-19.076773	-13.055548	-17.253914
C	-7.109372	-2.240342	-9.104125	C	-9.295375	-5.359903	8.609347	C	-19.979351	-13.917516	-18.173557
C	-6.755382	-3.517302	-8.388960	O	-9.626135	-5.397681	7.227998	O	-8.882435	-4.549364	-5.572356
C	-5.543143	-3.464891	-7.425429	C	-10.843245	-4.915489	6.834469	C	-9.132731	-9.265376	-4.379530
C	-4.946744	-4.807057	-7.182262	C	-11.059586	-5.140095	5.376844	O	-8.906895	-10.666287	-4.061333
O	-5.394760	-5.855421	-7.627095	C	-12.290369	-4.374510	4.855566	C	-9.095491	-11.147015	-2.781218
O	-3.784047	-4.741907	-6.432449	C	-12.619102	-4.754254	3.394494	C	-8.717601	-12.584957	-2.625623
C	-3.072720	-5.984857	-6.315233	C	-13.685948	-3.815933	2.774961	C	-8.195984	-12.968840	-1.219190
C	-1.921163	-5.860830	-5.305352	C	-13.915399	-4.081966	1.282279	C	-6.943113	-12.259804	-0.656410
C	-2.438340	-5.690628	-3.860902	O	-15.150205	-3.569516	0.738708	C	-5.691529	-12.356855	-1.507762
C	-3.589601	-6.595972	-3.450817	C	-15.277602	-3.625146	-0.619432	C	-4.502862	-11.704635	-0.873168
C	-4.192901	-6.464596	-2.040659	C	-16.667843	-3.252458	-0.994087	O	-3.301272	-11.771286	-1.729694
C	-5.355049	-7.426880	-1.856518	C	-16.990135	-3.152919	-2.463516	C	-3.152668	-10.840557	-2.748159
O	-5.716308	-7.863613	-0.784645	C	-16.211412	-2.106244	-3.294114	C	-1.891183	-11.031813	-3.456057
O	-6.001870	-7.762571	-3.012738	C	-16.393431	-2.294057	-4.833830	C	-2.062256	-10.719595	-4.967240
C	-7.181461	-8.594703	-2.981950	C	-15.716419	-1.242279	-5.754908	C	-0.779240	-11.083622	-5.832789
C	-7.812283	-8.496926	-4.381183	O	-14.429440	-1.801736	-6.068548	C	-1.168474	-11.031719	-7.358512
C	-6.897010	-8.984963	-5.458454	C	-13.460997	-0.955275	-6.555573	C	0.070482	-11.150360	-8.284424
O	-6.541529	-10.377459	-5.266975	C	-12.182692	-1.670384	-6.713796	O	-0.326178	-11.016912	-9.658644
C	-6.269851	-11.055831	-6.376122	C	-11.857517	-2.513667	-5.446686	C	0.612712	-11.381827	-10.573788
O	-6.201966	-10.516646	-7.448103	C	-11.687201	-1.555440	-4.242489	C	0.059188	-11.330577	-11.976614
C	-12.499978	8.618312	6.380234	C	-11.170226	-2.304212	-2.959809	C	-0.479460	-9.964245	-12.372641
C	-14.131350	8.842278	4.445684	C	-10.992244	-1.351108	-1.766605	C	0.570181	-8.802543	-12.482964
C	-13.106708	9.061989	3.222044	O	-12.284822	-1.070262	-1.193298	C	1.820023	-9.088859	-13.353409
C	-13.947601	9.195611	1.933880	C	-12.384949	-0.240249	-0.152228	C	2.728680	-7.849802	-13.338383
O	-13.966763	8.458619	0.944409	C	-13.793546	0.031549	0.273929	O	3.371338	-7.673318	-12.061150
C	-8.165397	-6.977460	-4.606119	C	-14.040496	0.153185	1.816368	C	4.283515	-6.590847	-12.053376
O	-8.855938	-6.810577	-5.856516	C	-15.537992	0.296901	2.068476	C	4.764810	-6.217646	-10.684821
C	-9.295146	-5.575647	-6.140816	C	-15.916539	0.518067	3.570487	C	5.386138	-4.846503	-10.704680
C	-10.152458	-5.543762	-7.392712	C	-17.383812	0.778640	3.881061	C	5.908551	-4.449192	-9.295667
C	-9.449463	-6.254008	-8.560748	O	-18.051132	-0.488443	3.611801	C	6.469502	-3.006574	-9.165962
C	-10.415190	-6.522688	-9.692749	C	-19.407225	-0.414527	3.707344	C	6.563391	-2.509688	-7.701821
C	-9.874967	-7.175562	-10.963178	C	-19.978745	-1.816149	3.649044	O	7.448027	-1.326417	-7.640859
C	-11.026370	-7.545368	-11.892178	C	-21.417042	-1.926344	4.109245	C	7.797138	-0.963990	-6.401700
O	-10.559957	-8.073833	-13.155383	C	-22.029720	-3.289343	3.788545	C	8.652919	0.262124	-6.476041
C	-10.215427	-7.150925	-14.111203	C	-23.512779	-3.415934	4.179402	C	8.609642	1.103872	-5.167122
C	-9.686970	-7.859946	-15.303353	C	-23.933950	-4.953970	4.107280	C	7.543569	2.180734	-5.244722
C	-8.612768	-7.202249	-16.127554	O	-23.915728	-5.468930	2.768720	C	6.106155	1.646598	-5.154878
C	-8.068392	-8.034353	-17.293453	C	-24.974169	-5.086850	2.003624	C	5.038631	2.785973	-5.354022
C	-7.679913	-9.510616	-16.961836	C	-24.737057	-5.181055	0.561424	O	3.759513	2.134651	-5.369758

C	3.431660	1.557131	-6.555874	C	10.055646	-3.820943	-5.494606	C	22.616875	11.169793	-1.393306
C	2.180718	0.782647	-6.432684	C	9.558806	-5.294457	-5.571881	O	23.890690	10.543179	-1.690166
C	1.879727	-0.138389	-7.634134	O	9.609891	-5.997165	-4.320504	C	24.143969	10.157979	-2.946209
C	0.695919	-1.104945	-7.414870	C	9.473307	-7.365170	-4.287462	O	23.319012	10.291869	-3.832196
C	-0.713338	-0.366770	-7.432232	C	9.801660	-7.892961	-2.944592	C	25.532785	9.553066	-3.073869
C	-1.921923	-1.347344	-7.122877	C	9.090914	-9.230050	-2.627260	C	25.704500	8.513141	-4.219772
O	-1.826457	-2.484109	-8.041413	C	9.669078	-9.783729	-1.328431	C	27.186111	8.148770	-4.448099
C	-2.214486	-2.236965	-9.308931	C	9.016136	-11.157724	-1.009089	C	27.368935	7.088393	-5.611792
C	-2.055083	-3.413888	-10.239580	C	9.451111	-11.561505	0.422844	C	27.011272	7.499306	-6.999693
C	-0.649847	-4.130006	-10.287066	O	10.881727	-11.416067	0.471754	O	25.636145	7.091594	-7.235938
C	-0.524555	-5.285891	-9.269997	C	11.496798	-11.737662	1.623831	C	25.438177	5.729561	-7.520361
C	0.875568	-5.902434	-9.244203	C	12.996803	-11.572377	1.599971	O	26.329212	4.904158	-7.552372
C	0.924215	-7.226089	-8.481072	C	13.584616	-10.948098	0.292717	C	23.965626	5.591148	-7.797957
O	0.989560	-7.070368	-7.058086	O	-9.667349	-10.491509	-1.913423	C	23.566418	4.064248	-7.888453
C	2.210239	-6.812990	-6.523822	C	-5.865161	-12.501277	-6.057598	C	22.138134	3.921564	-8.494886
C	2.143278	-6.680777	-5.019409	C	-5.162044	-13.219652	-7.250654	C	21.893000	2.430446	-8.920721
C	3.326736	-7.314085	-4.289033	C	-6.159665	-13.873939	-8.238009	C	20.387114	2.134811	-9.153136
C	3.448108	-8.847350	-4.479233	C	-5.427064	-14.792902	-9.190754	O	20.135118	0.754716	-9.313102
C	4.524899	-9.518845	-3.646956	C	-6.407131	-15.579296	-10.152889	C	20.641241	0.175382	-10.420975
C	4.445091	-11.066953	-3.847271	O	-7.067881	-14.660536	-11.075157	O	21.275015	0.773629	-11.276582
O	3.243173	-11.642752	-3.282118	C	-6.300068	-14.158261	-12.088253	C	20.403143	-1.312419	-10.526684
C	3.178661	-11.843602	-1.945354	O	-5.214944	-14.619578	-12.367859	C	19.953693	-1.915802	-9.210810
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C	1.902078	-12.711054	0.002571	C	-6.232857	-11.837540	-13.285318	C	19.351622	-4.072287	-8.030002
C	0.470472	-13.038585	0.508619	C	-5.548688	-11.093560	-12.101967	C	19.652521	-5.599301	-8.164040
C	0.548370	-13.469159	1.994554	C	-4.754534	-9.860664	-12.469059	O	21.076965	-5.802765	-7.872630
C	-0.830835	-14.035361	2.451308	C	-5.713768	-8.786362	-13.062288	C	21.551760	-7.065546	-8.090962
O	-1.117636	-15.181204	1.644888	O	-4.894432	-7.601793	-13.344845	O	20.894419	-7.968591	-8.592937
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C	-1.766689	-16.941032	-0.378895	C	-3.107630	-6.537725	-14.472280	C	25.403770	-6.692653	-7.925088
C	-0.321408	-16.920933	-0.856723	C	-1.752460	-6.839769	-15.210934	C	25.927776	-8.005482	-8.450513
C	-0.189966	-16.382269	-2.292294	C	-0.867204	-5.639803	-15.517307	C	27.427507	-8.187111	-8.209210
C	1.228323	-16.546848	-2.902190	C	-0.324377	-4.932077	-14.293862	O	27.709394	-7.960977	-6.780352
O	2.189183	-15.928617	-2.030691	C	0.574492	-3.745320	-14.645456	C	27.803099	-9.088656	-5.966791
C	3.495030	-15.917707	-2.418577	O	1.050617	-3.221993	-13.382425	O	27.860107	-10.225073	-6.400863
C	4.380540	-15.367909	-1.375393	C	1.366118	-1.887939	-13.345302	C	27.833891	-8.730972	-4.519288
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C	6.782573	-14.977145	-0.590346	C	1.767732	-1.556076	-11.920872	C	26.828268	-9.674650	-2.281279
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C	8.673223	-14.790197	-2.239189	C	3.979483	-0.366350	-12.523576	C	26.050014	-10.620505	-0.126149
O	10.098263	-14.621779	-2.387808	C	4.697429	0.979681	-12.646911	O	26.232149	-9.355607	0.532260
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C	11.991789	-14.055061	-3.590891	O	6.837272	-0.151646	-12.949819	O	26.895187	-10.343854	2.453671
C	12.165607	-12.552466	-3.683917	C	8.027285	0.171503	-12.434218	C	26.884327	-8.010892	2.418253
C	13.684326	-12.214889	-3.816010	O	8.405671	1.323443	-12.162223	C	28.135765	-8.064208	3.306625
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C	15.438145	-10.390740	-3.265184	C	9.799607	-0.739134	-10.922312	C	29.491222	-6.833640	5.103358
O	15.575780	-9.019451	-2.934634	C	10.624620	-2.054107	-10.594683	C	30.047331	-5.458708	5.531295
C	16.053816	-8.173344	-3.897311	C	11.915405	-1.765215	-9.744796	O	29.040552	-4.547361	6.092295
C	16.209396	-6.768990	-3.362889	C	12.915473	-2.926978	-9.472622	C	28.752813	-4.764088	7.426579
C	17.120838	-5.862608	-4.206108	O	13.770506	-2.552204	-8.394543	O	29.180414	-5.689969	8.093776
C	17.374281	-4.532795	-3.480096	C	14.693480	-1.519696	-8.550393	C	27.831879	-3.724421	7.938384
C	18.382721	-3.603619	-4.233587	O	14.892975	-0.993476	-9.591936	C	27.625095	-3.816835	9.459538
C	18.503004	-2.176877	-3.711918	C	15.368595	-1.200241	-7.274651	C	26.574692	-2.786197	10.016707
O	19.249952	-1.396247	-4.645853	C	16.437449	-0.119776	-7.357041	C	26.070162	-3.062265	11.389618
C	19.460428	-0.099833	-4.274130	C	15.857473	1.332495	-7.331284	C	27.244150	-3.229332	12.421270
C	20.252954	0.665068	-5.305277	C	16.994331	2.357494	-7.421329	O	26.568523	-3.014629	13.691990
C	20.531164	2.171163	-5.041564	C	16.428530	3.813459	-7.446345	C	27.161728	-3.506977	14.803237
C	21.555201	2.348902	-3.898393	O	16.199961	4.184759	-6.052623	O	28.308649	-3.987806	14.777951
C	21.775770	3.816213	-3.531457	C	16.059679	5.521483	-5.859272	C	26.298355	-3.251562	16.025375
C	20.527960	4.578481	-3.092342	O	16.331091	6.346079	-6.725614	C	24.876089	-3.817446	15.817112
O	19.878222	3.966879	-1.990605	C	15.696244	5.816131	-4.463049	C	24.990314	-5.318957	15.723379
C	18.880869	4.713077	-1.323853	C	16.336693	7.069146	-3.945233	C	23.723993	-6.068158	15.998341
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C	17.778748	2.624468	-0.469040	C	16.659082	8.618554	-1.917168	O	23.103107	-6.089596	13.700358
C	16.675711	2.610066	-1.546481	C	16.067345	9.285294	-0.631955	C	23.117655	-7.387580	13.357238
C	15.971690	1.272815	-1.758565	O	17.071001	10.174103	-0.084513	O	22.555948	-8.274372	14.021255
C	15.055298	1.115464	-2.948798	C	17.255358	11.362728	-0.664517	C	24.033768	-7.616002	12.145669
O	14.582886	-0.254364	-2.926539	O	16.621660	11.812421	-1.608198	C	23.857370	-6.610292	11.023978
C	13.582091	-0.510598	-3.839958	C	18.358377	12.104147	-0.015418	C	24.692236	-6.868875	9.723469
C	13.171061	-1.998812	-3.861044	C	19.733133	11.497879	-0.359000	C	24.438770	-5.940693	8.503294
C	11.793532	-2.199923	-4.667364	C	20.980635	12.204823	0.243587	C	25.175762	-6.345798	7.240133
C	11.438017	-3.720781	-4.767670	C	22.379444	11.559142	0.089539	O	25.097401	-5.340209	6.179880

C	23.909906	-5.267464	5.509604	C	9.487058	-0.121815	-0.881158	C	-12.759503	8.705340	-2.221795
O	23.043104	-6.141593	5.573026	O	9.361358	1.245231	-1.320574	C	-14.082909	8.479044	-2.920648
C	23.851337	-4.055632	4.638309	C	10.347136	2.104444	-0.761901	O	-14.220553	7.061719	-3.234823
C	22.444326	-3.909782	3.983750	C	10.428711	3.376188	-1.530626	C	-15.200593	6.882198	-4.283515
C	24.030334	-2.763940	5.515184	O	10.986055	3.116637	-2.849602	C	-15.364001	5.413812	-4.549050
C	25.032118	-4.122076	3.542299	C	10.898552	4.293393	-3.648852	O	-16.130749	5.224059	-5.730701
C	25.083553	-3.347881	2.226908	C	11.670399	4.140444	-4.933914	C	-16.193686	3.828628	-6.092648
C	23.991531	-3.839249	1.317115	O	11.627395	5.327690	-5.690866	C	-17.069187	3.643108	-7.418490
O	23.560423	-4.993599	1.341367	C	12.559504	5.311989	-6.799179	O	-16.391838	4.164599	-8.547115
O	-3.985422	-9.996102	-3.030370	C	12.738559	6.750258	-7.303694	C	-17.024477	3.953470	-9.802847
O	1.788332	-11.648374	-10.316926	O	13.315454	7.532397	-6.297037	C	-10.270546	14.741770	5.736701
O	4.646489	-5.959696	-13.040183	C	13.838316	8.788298	-6.778998	O	-8.033430	13.440742	4.879901
O	7.546807	-1.584495	-5.357962	C	-12.230562	7.781658	3.066249	O	-14.825887	10.201625	2.071569
O	4.133799	1.545199	-7.529167	C	-12.352004	10.386156	3.429018	C	-15.738569	10.428383	0.964901
O	-2.692363	-1.140304	-9.597341	C	-11.093409	10.782469	2.614914	C	-16.121540	11.897676	0.872261
O	3.191385	-6.716475	-7.211541	C	-11.153944	10.706612	1.072290	O	-16.675579	12.389959	2.076303
O	4.077403	-11.642148	-1.173780	O	-14.465008	6.093682	4.605295	C	-16.808594	13.789703	2.152647
O	-2.184075	-16.375330	3.278355	C	-14.282585	4.816178	4.034489	C	-17.170301	14.177732	3.576405
O	3.846837	-16.287868	-3.503903	C	-14.999708	4.688893	2.666067	O	-18.467358	13.817011	4.041734
O	9.882257	-14.414920	-4.714776	O	-16.416204	4.777393	2.944386	C	-18.719736	14.426383	5.320464
O	16.349894	-8.562909	-5.043165	C	-17.323286	4.410841	1.886007	C	-20.202633	14.297539	5.540445
O	19.013680	0.281345	-3.214082	C	-18.762690	4.533001	2.419414	O	-20.476423	14.681245	6.891270
O	18.483313	5.780186	-1.676550	O	-19.676756	4.476594	1.298726	C	-21.860725	14.974330	7.140104
O	13.123232	0.343052	-4.563738	C	-21.020576	4.387917	1.721425	C	-21.949886	15.561927	8.595754
O	9.125459	-7.982885	-5.269306	C	-22.005754	4.229243	0.585198	O	-23.272085	16.186796	8.748530
O	10.871619	-12.321769	2.512514	O	-21.828423	3.061741	-0.166215	C	-23.394865	16.891397	10.000065
C	13.346360	-10.720966	2.829726	C	-22.810059	2.855745	-1.161936	C	-22.775314	18.248287	9.865774
C	12.956864	-9.254383	3.096137	C	-22.567263	1.603926	-1.897310	O	-23.316185	18.943640	8.757305
C	13.779563	-8.178730	2.306518	O	-22.820763	0.492925	-1.068312	C	-22.900515	20.315760	8.700930
C	15.233460	-7.693240	2.538512	C	-22.314692	-0.744750	-1.576440	C	-23.915472	21.120871	7.885667
C	15.644789	-6.916468	1.268881	C	-21.002396	-1.159277	-0.938877	O	-23.918442	20.693073	6.539389
O	15.090166	-5.728489	1.233032	O	-20.019917	-0.229863	-1.413313	C	-24.986164	21.243118	5.775326
C	15.159300	-5.003483	0.028333	C	-19.518635	0.542263	-0.342410	C	-24.899960	20.779814	4.314534
C	13.973092	-5.429081	-0.889863	C	-18.669561	1.655339	-0.924311	O	-23.720190	21.244356	3.689482
O	12.793465	-4.991261	-0.273069	O	-17.504515	1.128947	-1.552248	C	-23.727371	21.192980	2.263665
C	11.676721	-5.794776	-0.530522	C	-16.523199	2.138629	-1.817849	C	-22.466738	21.754850	1.695420
C	10.474112	-5.211430	0.185441	C	-15.366792	1.582040	-2.631418	O	-22.376284	23.142633	1.869512
O	9.360831	-6.089506	0.014126	O	-14.400085	2.572607	-2.842580	C	-21.005524	23.518160	1.695756
C	8.105586	-5.446736	0.159309	C	-13.210312	2.110834	-3.453517	O	-9.832654	9.912973	4.451800
C	6.969357	-6.517985	-0.135283	C	-12.302658	3.249550	-3.828281	C	-8.838546	9.092373	5.064976
O	5.711743	-5.880617	-0.037432	O	-11.919971	4.038736	-2.723663	C	-8.338363	9.794843	6.336955
C	4.728925	-6.954443	-0.123842	C	-11.172030	5.167624	-3.043425	O	-9.355581	9.634886	7.315980
C	3.324427	-6.349258	-0.284512	C	-10.731321	12.262660	3.006550	C	-9.239831	10.667057	8.315066
O	2.366642	-7.349214	-0.544392	C	-11.605392	13.500885	2.992097	C	-10.551576	10.685949	9.131074
C	1.127222	-6.679695	-0.896612	C	-12.724231	13.444149	4.032202	O	-10.610863	11.813375	9.956487
C	0.082025	-7.795417	-1.086962	O	-13.840063	13.849684	3.856016	C	-11.836802	12.080936	10.523358
O	-0.336577	-8.340913	0.162084	C	-9.958198	9.856846	3.099016	C	-11.843266	13.395898	11.219038
C	-1.369681	-9.295799	0.011070	O	-9.252437	9.151229	2.382087	O	-11.614851	14.437642	10.296326
C	-1.780874	-9.812606	1.364440	C	-10.815302	14.857406	3.222407	C	-11.865373	15.724874	10.821465
O	-2.508043	-8.777303	2.025059	C	-9.758700	15.073501	4.326780	C	-11.511335	16.714922	9.669959
C	-2.895667	-9.221686	3.347070	C	-9.183430	16.478745	4.342047	O	-11.793294	18.033482	10.162759
C	-3.265157	-7.996134	4.173768	C	-9.940568	17.743254	4.835283	C	-11.356865	19.115650	9.346131
O	-4.360954	-7.377979	3.484858	C	-9.419428	19.035278	4.215676	C	-11.822431	20.442579	9.953073
C	-4.956908	-6.376112	4.278139	C	-8.019442	19.685604	4.572478	O	-13.177909	20.673180	9.787079
C	-5.917931	-5.633804	3.404147	C	-8.036116	20.507347	5.887307	C	-13.678753	21.788816	10.474154
O	-5.299831	-4.780907	2.470795	O	-8.957451	20.906918	6.537881	C	-13.656137	22.985332	9.546811
C	-5.123515	-3.497139	3.001543	C	-12.167543	13.690760	1.609973	O	-14.556966	22.781462	8.407415
C	13.622674	-12.949259	1.749781	C	-8.584971	14.158492	4.053679	C	-14.734815	23.916012	7.543362
C	13.012842	-8.871715	4.592020	O	-8.143645	14.254221	2.746683	C	-15.450509	23.477823	6.296572
C	11.476518	-9.011934	2.676668	C	-6.910990	13.627582	2.427073	O	-16.855894	23.280756	6.478897
O	10.575365	-9.444801	3.609518	C	-6.643928	14.021328	0.919454	C	-17.349133	22.685970	5.289302
C	9.184926	-9.047927	3.493454	O	-6.536398	15.415677	0.775599	C	-18.742474	22.127684	5.455420
C	8.990647	-7.639779	4.037745	C	-6.658949	16.007757	-0.502594	O	-19.652571	23.240307	5.751943
O	7.736014	-7.127544	3.594010	C	-5.662880	15.553938	-1.553618	C	-21.043827	22.855829	5.609204
C	7.479564	-5.818217	4.096290	O	-5.855463	14.140166	-1.760485	O	-12.301403	12.919393	5.164765
C	6.045250	-5.430970	3.667038	C	-4.663131	13.512955	-2.280427	C	-13.382895	12.585378	6.126936
O	5.820410	-4.142956	4.209356	C	-4.797862	11.964693	-2.239256	C	-13.857631	13.800662	6.895752
C	4.586296	-3.532555	3.898312	O	-5.819564	11.566627	-3.109746	O	-14.954355	13.413737	7.747504
C	4.565258	-3.146697	2.444934	C	-5.878436	10.102888	-3.197979	C	-15.434597	14.550564	8.415850
O	5.753014	-2.448424	2.048615	C	-7.158041	9.723570	-3.963346	C	-16.710135	14.178139	9.147077
C	5.779189	-1.975735	0.731618	O	-8.255272	9.684677	-3.039424	O	-17.038828	15.310894	9.972373
C	7.138867	-1.296294	0.490303	C	-9.446318	9.144723	-3.646727	C	-18.379366	15.267236	10.482824
O	7.135600	-0.741927	-0.830546	C	-10.498187	9.026269	-2.558660	C	-18.605721	16.479486	11.439916
C	8.369438	-0.972848	-1.485337	O	-11.726966	8.657668	-3.146207	O	-18.754669	17.671215	10.656182

C	-18.600903	18.903332	11.388424	C	-12.261558	15.367571	-6.293460	O	-2.630502	13.444522	2.786172
C	-17.126259	19.248478	11.446884	O	-12.719721	14.094197	-6.738929	C	-2.141417	12.409482	3.641912
O	-16.536093	18.273046	12.268940	C	-11.971780	12.986495	-6.424082	C	-3.055597	11.184446	3.557867
C	-15.128069	18.221739	12.084871	C	-12.629049	11.684351	-6.953853	O	-3.090532	10.667257	2.237526
C	-14.550966	17.447512	13.240761	O	-13.817990	11.405209	-6.250676	C	-4.026377	9.687817	1.918260
O	-15.060189	16.136768	13.081991	C	-14.246297	10.049496	-6.542647	C	-3.888304	8.305264	2.616171
C	-14.809350	15.237832	14.149483	O	-6.764765	20.578768	6.334673	O	-4.376361	8.326765	3.941029
C	-15.242060	13.842002	13.714490	C	-6.426208	21.314892	7.508568	C	-4.095822	7.057880	4.553408
O	-15.085192	12.964357	14.838802	C	-5.675531	20.340330	8.432211	C	-4.629588	7.134646	5.956441
C	-15.268516	11.650400	14.427221	O	-6.670901	19.546951	8.967064	O	-4.016338	8.172105	6.700918
C	-15.223720	10.728406	15.614663	C	-6.172378	18.363987	9.594411	C	-4.609409	8.299338	8.027809
O	-16.360743	11.022782	16.367319	C	-7.283100	17.380585	9.742183	C	-4.183412	9.597584	8.642721
C	-16.614901	10.012180	17.350630	O	-6.865143	16.307064	10.610252	O	-4.834587	10.643129	7.895256
C	-17.648294	10.403739	18.383133	C	-7.814251	15.236395	10.630349	C	-4.162955	11.891435	7.989245
O	-17.108013	11.245064	19.380367	C	-7.266127	14.249610	11.645184	C	-4.950420	12.889092	7.122490
C	-18.025379	11.577170	20.399797	O	-6.270643	13.404562	11.091527	O	-4.458746	14.218481	7.242449
C	-9.788662	17.875938	6.366766	C	-5.655653	12.508490	12.018214	C	-5.356824	15.201197	6.670389
C	-11.424314	17.710215	4.447247	C	-6.515308	11.224986	12.172520	O	-10.757610	19.742044	-1.013212
O	-11.805183	17.858360	3.332121	O	-7.465923	11.371877	13.233497	C	26.411837	-3.670978	1.434762
O	-12.213659	17.468634	5.465289	C	-8.769105	10.994041	12.869734	C	27.879595	-2.997411	1.582278
C	-13.634753	17.472691	5.208109	C	-9.717480	11.279727	14.015834	C	27.925262	-1.543206	1.036059
C	-14.292810	17.972124	6.475256	O	-9.750627	12.658793	14.213375	C	29.172033	-0.698643	0.600270
O	-15.675551	17.667110	6.504187	C	-10.891484	13.068752	14.965725	C	30.094719	-0.632429	1.847855
C	-16.441719	18.507021	7.328002	C	-10.636488	14.471971	15.499354	O	29.856800	0.027414	2.834685
C	-17.891703	18.025633	7.423162	O	-10.495573	15.392532	14.415123	C	24.990274	-1.817864	2.461594
O	-18.614655	18.400967	6.244369	C	-10.044099	16.696419	14.836819	C	28.866453	-3.864087	0.837982
C	-20.004023	18.398335	6.450650	C	-9.725575	17.421337	13.546092	O	29.850307	-4.385526	1.354099
C	-20.739899	18.721195	5.158222	O	-9.399804	18.768053	13.781578	C	28.224834	-2.984428	3.126447
O	-20.645391	17.711521	4.166048	C	-8.917439	19.377592	12.564571	O	28.544815	-4.055000	-0.500428
C	-21.196278	18.053490	2.902996	C	-8.874922	20.884193	12.535601	C	29.320238	-5.022432	-1.210701
C	-21.015810	16.907360	1.909241	O	-8.077289	21.328329	13.632653	C	29.193199	-6.431147	-0.649883
O	-21.602612	17.301350	0.676568	C	-7.953522	22.747898	13.555323	O	30.151157	-7.246530	-1.244768
C	-21.514400	16.240812	-0.284095	C	-7.708787	21.283840	-0.352617	C	30.462580	-8.347124	-0.446207
C	-22.424747	16.517754	-1.464951	C	-7.313970	21.366451	-1.890371	C	31.467714	-9.174411	-1.289702
O	-22.192169	15.516352	-2.479084	Br	-7.206182	19.523727	-2.614279	O	30.599384	-9.750914	-2.264912
C	-21.020906	15.652016	-3.317662	C	-10.204355	20.686831	-0.538436	C	31.185680	-10.634340	-3.193547
C	-21.327927	14.971004	-4.634597	O	-10.670683	21.962770	-0.612884	C	31.673468	-9.747492	-4.367496
O	-21.326506	13.554493	-4.491431	C	-11.980243	22.138405	-1.197831	O	32.741943	-8.928957	-3.858716
C	-21.682236	12.884563	-5.690573	C	-12.864620	22.721687	-0.145650	C	32.969437	-7.771644	-4.672779
C	-21.744011	11.358200	-5.437006	O	-12.831460	21.935528	1.042506	C	34.224289	-6.989576	-4.251059
O	-22.939676	11.077014	-4.730660	C	-13.432905	22.636387	2.149690	O	33.959354	-6.597381	-2.881610
C	-23.152748	9.690175	-4.591270	C	-13.459881	21.628782	3.286383	C	34.816402	-5.641765	-2.257642
C	-24.545237	9.578413	-3.974221	O	-14.491779	20.665646	3.207406	C	34.083031	-4.911509	-1.147289
O	-25.432602	10.086041	-4.959932	C	-14.417030	19.789274	2.044713	O	33.845169	-5.779598	-0.017760
C	-26.752110	10.025806	-4.369089	C	-15.847740	19.264805	1.868661	C	33.724697	-5.052630	1.244068
C	-6.899809	18.594103	4.625957	O	-15.844985	18.177156	0.950408	C	33.192417	-6.069767	2.278281
C	-7.542716	20.627241	3.452602	C	-17.155811	17.779539	0.599358	O	34.207577	-7.027274	2.497514
C	-8.340349	21.822426	2.781596	C	-17.126537	16.609819	-0.349554	C	33.616035	-8.210607	3.006514
C	-9.079288	22.556355	3.872767	O	-17.012743	17.109053	-1.663487	C	34.570457	-9.401167	2.836284
C	-7.300496	22.873766	2.238358	C	-17.300880	16.212980	-2.751467	O	33.845524	-10.546751	3.302884
O	-6.101257	22.781090	2.409740	C	-17.181936	17.014851	-4.055956	C	34.619419	-11.770123	3.184472
C	-9.334308	21.341755	1.667661	O	-18.421127	17.651043	-4.330933	C	33.830784	-12.986623	3.733851
C	-8.938090	20.605255	0.312531	C	-18.365826	18.658117	-5.341968	O	32.646400	-13.226885	3.023558
C	-8.622053	19.090288	0.553072	C	-19.748585	18.938171	-5.823281	C	32.861961	-14.054334	1.896495
O	-7.874870	23.959976	1.627817	O	-20.619621	19.299280	-4.772294	O	23.567705	-2.915296	0.409702
C	-7.103856	25.064936	1.106846	C	-21.962748	19.504177	-5.248265	C	22.650671	-3.379323	-0.586299
C	-7.813817	25.448338	-0.201406	C	-22.785221	20.290207	-4.237626	C	22.234331	-2.323382	-1.558194
O	-9.076268	25.917662	0.242476	O	-22.327181	21.652138	-4.299863	O	23.387873	-1.976921	-2.320949
C	-10.050997	26.013779	-0.773376	C	-22.802532	22.461224	-3.227934	C	23.055199	-1.222656	-3.490289
C	-11.332388	26.597113	-0.198037	C	-22.058237	23.817785	-3.317129	C	24.416981	-0.718647	-4.003561
O	-12.256054	26.548756	-1.291325	O	-20.640076	23.643299	-3.075163	O	24.224836	-0.013380	-5.230670
C	-13.509585	26.994881	-0.872747	C	-19.876705	24.716164	-3.626463	C	25.470013	0.265507	-5.854390
C	-14.536822	26.830301	-2.002312	C	-5.858700	21.934814	-2.030828	C	25.186241	0.555943	-7.375528
O	-14.866778	25.497704	-2.327854	O	-5.497829	22.659275	-2.941447	O	25.051100	-0.635058	-8.083531
C	-15.638891	25.353809	-3.555441	C	-8.341432	22.115276	-2.644271	C	24.563219	-0.467607	-9.406178
C	-15.805229	23.817846	-3.729534	O	-5.027553	21.547993	-1.019093	C	24.564056	-1.791401	-10.095206
O	-14.489089	23.279196	-3.899454	C	-3.659424	21.937353	-1.203487	O	25.858349	-2.336906	-10.374960
C	-14.464259	21.901962	-4.130238	C	-2.890361	21.254385	-0.052387	C	25.814783	-3.663386	-10.887935
C	-13.069137	21.481020	-4.680569	O	-3.155313	19.891754	-0.110485	C	27.174509	-4.022552	-11.366918
O	-13.048471	20.040632	-4.531960	C	-2.545817	19.235569	0.961346	O	28.042093	-4.286447	-10.282095
C	-11.847440	19.396671	-4.912915	C	-2.880312	17.750515	0.874230	C	29.445778	-4.485324	-10.540812
C	-12.230163	17.942024	-4.914013	O	-2.374080	16.969421	1.979586	C	30.252520	-4.759995	-9.275675
O	-12.901148	17.721121	-6.156389	C	-2.719990	15.596329	1.876634	O	31.578955	-4.963446	-9.677412
C	-13.380182	16.412991	-6.423766	C	-1.967693	14.705442	2.873042	C	32.303261	-5.416463	-8.539811

C	33.754272	-5.611645	-8.991386	C	36.969151	1.808515	-8.207911	C	26.342197	5.266461	4.118476
O	34.596981	-5.894410	-7.894727	O	37.410381	0.734811	-7.410801	O	27.198929	4.701371	5.088900
C	35.914715	-5.404039	-8.122175	C	36.370098	-0.246192	-7.301431	C	27.636740	5.613747	6.076200
C	36.838898	-5.756544	-6.970548	C	36.840771	-1.482523	-6.535493	C	28.573854	4.813358	7.043654
O	36.875576	-7.180064	-6.843430	O	37.002872	-1.187335	-5.144416	O	29.122944	5.766982	7.996375
C	37.862762	-7.621554	-5.881131	C	37.420265	-2.351324	-4.421777	C	28.376099	5.856936	9.228775
C	28.559990	0.672837	0.334607	C	37.276188	-2.211877	-2.897024	C	29.254599	6.558713	10.266938
C	29.830650	-1.339601	-0.675562	O	38.359001	-1.358760	-2.464151	O	29.550453	7.926562	9.970974
C	30.940819	-0.561917	-1.528134	C	38.142712	-1.033325	-1.098670	C	30.711672	8.297742	10.745315
C	31.679659	-1.611817	-2.279535	C	31.064259	4.960075	-1.737195	C	30.943417	9.813787	10.556639
O	32.865734	-1.903653	-2.099260	O	33.434891	4.634548	-3.226275	O	32.140186	10.236523	11.159755
C	31.876085	0.144961	-0.550179	O	30.887192	-2.315642	-3.142998	C	32.233044	11.692251	11.238004
C	30.290543	0.450428	-2.488654	C	31.494946	-3.369618	-3.879998	C	33.440479	11.941126	12.134968
C	30.882654	0.909450	-3.877575	C	30.643671	-3.614606	-5.149377	O	33.665699	13.293609	12.153242
C	30.045933	0.257980	-4.998400	O	29.349615	-3.958914	-4.786119	C	34.923145	13.561716	12.765384
O	31.095182	-1.503886	1.815066	C	28.583708	-4.165233	-5.952098	C	31.304209	9.526254	-2.758900
C	32.100140	-1.471662	2.855210	C	27.079010	-4.017687	-5.638781	C	33.166000	8.221588	-3.876465
C	31.698992	-2.265350	4.098074	O	26.747944	-5.133188	-4.799719	O	34.255020	7.745139	-3.746512
O	32.829208	-2.307210	4.931148	C	25.507956	-4.922233	-4.158383	O	32.711472	8.778108	-5.035650
C	32.530235	-2.848359	6.179537	C	24.900051	-6.272662	-3.796072	C	33.641064	8.863350	-6.126455
C	32.724865	-1.756381	7.187916	O	23.563446	-6.071755	-3.337806	C	33.316689	10.081615	-6.952645
O	31.584261	-0.840644	7.069673	C	22.932730	-7.257609	-2.847299	O	32.206833	9.885928	-7.780730
C	31.661196	0.039468	8.205883	C	21.414894	-7.003510	-2.739022	C	30.909559	10.029433	-7.201286
C	30.491150	1.005169	8.123720	O	20.843931	-8.215750	-2.233879	C	29.879517	10.286141	-8.290835
O	29.266855	0.329032	8.071669	C	19.511457	-8.033572	-1.828509	O	29.663589	9.103417	-9.037222
C	28.515888	0.765361	6.955241	C	19.070160	-9.397994	-1.244346	C	28.849403	9.281081	-10.226140
C	27.046061	0.318398	7.159544	O	19.609329	-9.556397	0.050731	C	28.333261	7.930443	-10.722629
O	26.467354	1.175078	8.090674	C	19.054640	-10.732704	0.604441	O	29.417545	7.106528	-11.217200
C	25.142290	0.751787	8.344947	C	19.425325	-10.783745	2.093917	C	28.983097	5.820065	-11.667948
C	24.543831	1.881366	9.202436	O	18.617594	-11.713542	2.840331	C	28.693846	4.909594	-10.430371
O	24.587912	3.063119	8.384879	C	19.004955	-11.740259	4.228245	O	28.526575	3.600247	-10.931524
C	23.968948	4.104652	9.105153	C	17.744532	-11.872777	5.147003	C	28.116848	2.630027	-9.966471
C	23.677828	5.322262	8.190611	O	17.167820	-13.187215	5.091359	C	28.141867	1.212481	-10.580594
O	22.755960	4.833384	7.169702	C	16.059933	-13.333355	5.950852	O	29.474384	0.793298	-10.594453
C	22.547398	5.866717	6.228916	C	15.466002	-14.724093	5.772548	C	29.685246	-0.543110	-10.988025
C	21.764835	5.184642	5.070946	O	16.430565	-15.749514	6.167540	C	31.157972	-1.000313	-10.632785
O	21.444616	6.204949	4.125808	C	15.886806	-17.030045	5.897459	O	32.069790	-0.450785	-11.510238
C	20.580957	5.746047	3.135887	O	33.234604	1.253597	-3.305297	C	33.409515	-0.681133	-11.109723
C	20.262665	6.995742	2.267413	C	34.636467	0.956151	-3.509248	C	34.402367	-0.282660	-12.178504
O	19.408403	7.883760	2.993296	C	35.459396	1.925430	-2.767189	O	35.668839	-0.675541	-11.707950
C	19.186361	9.134962	2.322276	O	35.276031	1.703294	-1.375570	C	36.643372	-0.071830	-12.574509
C	30.831940	2.489776	-4.025340	C	36.154629	2.530913	-0.561226	C	38.040184	-0.411162	-11.997573
C	29.610418	3.431485	-4.123983	C	35.836025	2.436421	0.965115	O	38.986458	0.009745	-12.956858
C	28.536146	3.138642	-3.086126	O	36.977905	3.103698	1.615814	C	40.323811	-0.248083	-12.508353
O	27.866507	2.134628	-3.156165	C	37.666893	2.305158	2.651492	C	34.583946	9.503557	-1.229548
C	32.355400	0.530945	-4.107563	C	37.029915	2.573354	3.999487	C	32.592587	9.421483	0.421197
O	32.733021	-0.265104	-4.972257	O	35.715591	2.037224	4.086905	C	32.970280	10.566963	1.398474
C	30.064865	4.956769	-4.134122	C	35.124096	2.466707	5.308619	C	33.110146	11.867085	0.526839
C	31.212046	5.529896	-3.174759	C	33.674309	1.943728	5.265850	C	31.784393	10.681468	2.362641
C	31.030294	7.119925	-3.211442	O	32.901653	2.722007	4.318674	O	31.477177	9.859127	3.198784
C	32.099987	8.213539	-2.767144	C	31.516899	2.696677	4.656197	C	34.258705	10.260656	2.211736
C	32.665752	7.812696	-1.413662	C	30.686817	3.120994	3.485439	C	34.755070	11.022057	3.527852
C	33.565235	8.629495	-0.466366	O	30.812262	4.514388	3.192851	C	36.220715	10.527744	3.691452
C	34.309273	7.643719	0.452747	C	29.981833	4.871107	2.124040	O	31.015320	11.768838	2.123884
O	35.491417	7.760866	0.766496	C	29.814180	6.368644	2.149893	C	29.876459	11.907196	3.022445
C	28.901915	3.264731	-5.507550	O	29.043844	6.702145	0.977362	C	28.865732	12.861544	2.322963
C	32.564548	5.212862	-3.808555	C	28.652637	8.079909	0.962424	O	28.502865	12.361717	1.050457
O	32.636845	5.533168	-5.111036	C	27.833193	8.423636	-0.272927	C	27.218081	12.850451	0.636431
C	33.872570	5.196152	-5.773284	O	26.598166	7.755742	-0.348051	C	26.952091	12.589064	-0.828307
C	33.756680	3.822191	-6.292383	C	25.727804	7.831577	0.776597	O	27.757652	13.384175	-1.707843
O	33.063194	3.878325	-7.502837	C	24.391462	7.245815	0.356383	C	27.312603	13.327890	-3.062354
C	32.822193	2.594744	-8.067996	O	23.701387	8.019977	-0.552246	C	28.088095	14.283674	-3.935920
C	32.184208	2.856498	-9.447151	C	22.889696	7.260902	-1.453008	O	29.443775	13.891500	-4.053361
O	33.112045	3.450947	-10.354452	O	28.356178	4.074840	-2.190422	C	30.274281	14.903103	-4.661402
C	32.551868	4.279960	-11.325825	C	27.299911	3.885754	-1.255175	C	31.613922	14.248005	-5.000021
C	33.683346	4.697841	-12.242354	C	25.960686	4.276460	-1.854039	O	32.287033	13.933198	-3.796462
O	34.525467	5.671191	-11.580893	O	24.894764	3.799155	-1.086302	C	33.551994	13.264811	-4.050657
C	35.441238	6.368511	-12.429684	C	24.808781	2.373803	-1.104938	C	34.411980	13.242956	-2.782806
C	36.520489	6.862786	-11.487931	C	23.892670	1.978649	0.046594	O	35.611298	12.509732	-3.014626
O	37.410946	5.847714	-10.994633	O	24.605598	2.105258	1.249453	C	36.568977	12.735495	-1.967679
C	38.059368	6.130523	-9.767202	C	23.928381	1.733438	2.431815	C	37.643204	11.652373	-2.123250
C	38.702259	4.874906	-9.092918	C	24.893274	1.848991	3.590239	O	38.415276	11.958230	-3.275211
O	37.571739	4.061794	-8.772845	O	25.106972	3.146127	4.097889	C	39.734734	11.507078	-3.189813
C	38.001518	2.875364	-8.145019	C	25.735525	4.116883	3.260272	C	39.858765	9.966840	-3.326882

O	39.501888	9.596363	-4.641060	C	32.243294	8.024987	14.445613	C	4.711230	-10.547596	4.427229
C	39.443153	8.160490	-4.820664	C	31.352381	9.273580	14.464951	C	3.222146	-10.576860	3.982887
C	39.205826	7.798403	-6.276373	O	30.007620	8.863929	14.354737	O	2.797635	-9.212985	3.796111
O	37.912739	8.102147	-6.757786	C	29.149708	10.050826	14.176459	C	1.595051	-9.230760	3.069897
C	36.943371	7.238587	-6.161656	C	27.770361	9.598117	13.745310	C	0.997225	-7.823469	3.288121
O	33.517181	6.690785	0.962715	O	26.926376	10.741821	13.584971	O	0.592443	-7.846921	4.622987
C	34.119724	5.651444	1.825568	C	25.753523	10.557316	12.840156	C	0.101796	-6.635976	5.237383
C	34.333603	6.052899	3.318718	C	26.153633	10.365886	11.366104	C	1.302487	-5.771899	5.653844
O	33.090607	6.327511	3.999757	O	24.965647	10.353959	10.563891	O	0.851565	-4.637543	6.323846
C	33.295128	6.356621	5.413829	C	25.197172	9.863310	9.272571	C	1.875485	-3.820000	6.839143
C	31.999786	6.659363	6.171913	C	23.866638	9.812472	8.504656	C	1.340489	-2.571539	7.516421
O	32.190754	6.487683	7.571705	O	22.930914	9.170643	9.311013	O	0.529029	-2.966234	8.578692
C	32.513256	5.147093	8.019267	C	21.650814	9.108398	8.713971	C	0.039625	-1.857589	9.308157
C	33.024864	5.152080	9.464179	C	20.636086	8.439873	9.617651	C	17.067207	-1.522328	7.192000
O	33.163319	3.782425	9.910271	O	20.314837	9.183663	10.775695	O	17.839520	-1.960438	8.197137
C	34.077087	3.642401	10.973609	C	19.178490	8.604501	11.396414	C	19.239161	-1.933649	8.045025
C	33.944530	2.293589	11.529861	O	35.705399	13.193141	2.923055	C	19.964966	-1.886690	9.393305
O	32.719604	2.117348	12.274701	O	11.102370	-8.453621	1.674429	O	19.863544	-0.647175	10.044778
C	32.438721	0.777055	12.580231	C	16.165442	-8.894582	2.621504	C	20.591276	-0.727724	11.269198
C	31.411856	0.706468	13.726436	C	15.315041	-6.768442	3.792944	C	20.383293	0.485682	12.144644
O	30.129206	0.990168	13.223073	C	16.472334	-6.670817	4.871298	O	21.315540	1.477103	11.797923
C	29.110504	0.873117	14.245086	C	16.745686	-8.011841	5.649826	C	20.731394	2.842812	11.906978
C	27.747280	1.406794	13.843981	C	16.085054	-5.709723	6.018510	C	20.463491	3.199551	13.413243
O	27.800940	2.800672	13.549784	C	15.673422	-4.179424	5.788889	O	19.296707	2.521482	13.928844
C	26.493446	3.287835	13.346948	C	16.916370	-3.495886	5.116543	C	19.254299	2.556216	15.357321
C	26.512325	4.724400	12.787747	C	17.801582	-6.319303	4.300978	C	17.900503	2.038800	15.837949
O	25.176970	5.164354	12.693232	O	17.750359	-5.959330	2.937959	O	16.885468	2.959154	15.537121
C	25.227959	6.425437	12.106548	C	19.033724	-5.692620	2.345968	C	15.594751	2.484150	15.850252
C	23.790651	6.998530	12.279189	C	18.851545	-4.848293	1.118942	C	14.517246	3.550043	15.757067
O	23.531940	7.312000	13.659241	O	18.490509	-3.483659	1.495975	O	14.186620	3.911206	14.391161
C	22.327623	7.964454	13.824531	C	17.917196	-2.741604	0.452689	C	13.137717	4.879928	14.366715
C	33.843361	10.634475	4.741217	C	17.864330	-1.259518	0.862741	C	12.494689	5.125825	13.000466
C	34.294743	10.921470	6.187515	O	19.243876	-0.851727	0.938224	O	13.491670	5.805585	12.192281
Br	35.114014	12.727760	6.425011	C	19.618267	-0.015938	2.044086	C	12.963644	6.054868	10.864789
C	34.759209	12.532485	3.321987	C	19.940119	-0.968557	3.215065	C	14.065409	6.731261	10.050544
O	33.580242	13.086695	3.604925	O	20.932480	-0.449425	4.057711	O	14.304683	8.058843	10.587177
C	33.614063	14.564952	3.724102	C	20.547186	0.807029	4.710921	C	15.302801	8.718589	9.807039
C	32.221615	15.119175	3.875459	C	21.574812	0.956009	5.881381	C	15.537630	10.068293	10.492747
O	31.668390	14.668050	5.082744	O	21.238750	2.058443	6.708141	O	14.338567	10.840937	10.256893
C	30.372952	15.156793	5.233449	C	20.002916	1.949094	7.427770	C	14.494792	12.136619	10.899009
C	29.744284	14.633069	6.565016	C	19.652670	3.186582	8.264059	C	14.783227	-1.181280	6.297120
O	29.477318	13.250925	6.396113	O	19.206070	4.221383	7.380557	O	17.502167	-0.849723	6.284384
C	28.883078	12.613323	7.523927	C	18.572983	5.349587	7.942963	O	16.216581	-7.465618	0.361128
C	28.592794	11.216852	7.067374	C	18.290899	6.262191	6.769841	O	18.845936	-6.406829	4.926631
O	27.455336	11.094793	6.155972	O	17.659872	7.358899	7.415668	O	14.360849	-3.165968	4.043275
C	27.350922	9.712232	5.678482	C	17.290564	8.442172	6.602251	C	12.813226	-2.659412	8.813645
C	26.431799	9.717474	4.482662	C	15.997145	8.218142	5.867695	C	13.616511	-1.603067	10.841843
O	25.060421	9.887548	4.931626	O	16.066362	7.249734	4.867688	O	14.841159	-1.531701	11.487005
C	24.127037	9.587615	3.874103	C	14.904414	7.066097	4.113173	C	14.820587	-1.633863	12.888792
C	22.690044	9.650775	4.415430	C	15.290510	6.196776	2.906417	C	16.215742	-1.837263	13.432347
O	22.376030	10.983863	4.805420	O	14.204972	6.198535	1.980437	O	16.736156	-3.090751	12.999571
C	21.074413	11.155020	5.327558	C	14.626898	5.530771	0.752046	C	17.988056	-3.415742	13.600433
C	20.943823	12.543745	5.945597	C	15.477098	-3.487210	7.190963	C	18.378065	-4.834498	13.153038
O	19.587893	12.881870	6.149408	C	15.600665	-1.917389	7.338764	O	18.605097	-4.795740	11.711386
C	19.018717	12.189614	7.228353	C	15.151051	-1.545592	8.822689	C	19.333126	-5.949530	11.315382
C	17.522490	12.526256	7.382329	C	13.679729	-1.491178	9.365961	C	19.436457	-6.051248	9.791561
O	16.804262	11.937676	6.306646	C	12.945453	-0.198115	8.874227	O	20.242311	-7.171563	9.412730
C	15.394019	12.295369	6.334518	C	13.232926	1.246842	9.276353	C	20.283899	-7.436357	8.019327
C	14.808744	12.155250	4.940450	C	14.486074	1.801408	8.671231	C	20.877796	-8.796825	7.663928
O	15.514276	13.017652	4.113090	O	15.596179	1.900551	9.174072	O	19.982819	-9.840168	7.989719
C	14.991662	12.898474	2.793187	C	14.458620	-3.976696	4.920019	C	19.999973	-10.348516	9.309877
C	35.236153	9.946718	6.908291	O	13.354484	-4.738262	5.243821	C	18.881289	-11.324616	9.506196
O	35.797310	9.018735	6.365729	C	12.288091	-4.688226	4.293354	O	17.670023	-10.633038	9.146644
C	32.982151	10.985471	6.968268	C	11.188045	-3.796180	4.896702	C	16.431309	-11.260400	9.558508
O	35.488007	10.248112	8.217429	O	10.617247	-4.505758	5.991919	C	15.221014	-10.453878	9.001571
C	36.382965	9.401889	8.917123	C	9.643542	-3.704228	6.678969	O	15.381141	-9.110608	9.431065
C	36.695679	10.123362	10.226485	C	9.334527	-4.376578	8.031914	C	14.233897	-8.363349	8.980378
O	37.667763	9.356797	10.874657	O	8.370503	-5.364847	7.829044	C	14.223640	-6.939266	9.471219
C	37.988499	9.928026	12.123018	C	8.091125	-6.085811	8.992123	O	14.056247	-6.975815	10.868896
C	37.719200	8.926841	13.255256	C	6.743530	-6.777492	8.704747	C	14.195588	-5.655968	11.369201
O	36.331696	8.590424	13.220891	O	7.004752	-7.811272	7.714133	C	14.448985	-5.729923	12.826527
C	35.951656	7.770551	14.326323	C	5.813046	-8.478107	7.289640	O	13.214803	-5.984118	13.449679
C	34.458401	7.241503	14.217554	C	6.058311	-9.318910	6.009301	C	13.289490	-6.248352	14.833973
O	33.623299	8.398438	14.303666	O	4.792421	-9.867112	5.677185	O	12.582602	-1.756625	11.482151

C	13.426991	1.332186	10.834792	C	10.778358	8.726547	-0.995656	C	8.198307	5.833782	10.454994
C	12.076919	2.233583	8.933391	C	10.543497	9.194974	-2.466995	C	5.454528	6.706737	6.443305
C	10.557652	1.984260	9.212299	O	9.740636	8.238443	-3.139319	O	5.317415	6.551405	5.240739
C	10.322785	1.390277	10.579728	C	9.260680	8.593075	-4.405913	C	7.759844	7.703097	6.235304
C	9.918859	1.092945	8.136491	C	8.080168	7.689148	-4.793794	O	4.557709	6.230723	7.341456
O	8.644585	0.677986	8.450854	O	6.893364	8.035768	-4.025748	C	3.333266	5.697444	6.740256
C	7.989749	-0.139577	7.435792	C	5.898281	7.062367	-4.354046	C	2.510743	5.156298	7.891618
C	6.510095	-0.525240	7.802211	C	4.564640	7.514197	-3.743429	O	2.109544	6.122843	8.795276
O	6.580564	-1.577401	8.768286	O	4.653114	7.439504	-2.277381	C	1.175489	5.552070	9.684095
C	5.360301	-2.295729	8.822447	C	3.333571	7.449739	-1.698671	C	1.113482	6.471967	10.952680
C	5.428737	-3.069283	10.071251	C	3.435387	7.079946	-0.217165	O	0.418480	7.670863	10.596808
O	4.176871	-3.633478	10.255105	O	2.042536	6.759439	0.095172	C	0.373315	8.652284	11.574276
C	3.957285	-4.352085	11.435081	C	1.900125	6.155792	1.379101	C	-0.413690	9.870514	11.099563
C	2.505244	-4.852945	11.508530	C	0.454914	6.026791	1.812296	O	0.376565	10.684563	10.239073
O	2.383143	-5.992078	10.643759	O	-0.152894	5.056938	1.013489	C	-0.261777	11.857920	9.740348
C	1.097282	-6.581093	10.550333	C	-1.559084	4.881980	1.258108	C	0.401769	12.285196	8.467415
C	1.148161	-7.713411	9.570055	C	10.740732	4.211104	7.079075	O	-0.107993	13.573326	8.053271
O	2.038492	-8.709124	10.050957	O	10.466576	3.409363	5.991492	C	0.286811	13.895406	6.710786
C	2.256739	-9.821636	9.091533	C	11.482866	3.141954	5.010648	C	1.732388	13.703956	6.334161
C	1.068152	-10.813075	9.043080	C	12.143073	4.375364	4.411069	O	1.836156	14.129202	4.963784
O	0.051586	-10.242521	8.234982	O	11.208243	5.271150	3.922337	C	3.134351	13.879962	4.439245
C	-1.195713	-10.888940	8.477263	C	10.800598	4.949465	2.592308	C	3.025695	13.882431	2.883845
C	-2.173663	-10.301656	7.448246	C	9.618323	5.874491	2.287859	O	2.442051	12.643459	2.499902
O	-2.200743	-8.906494	7.560670	O	9.197077	5.538961	0.998185	C	2.105187	12.742227	1.116036
C	-2.889485	-8.338189	8.681043	C	8.052881	6.410537	0.714432	C	1.971458	11.293813	0.573915
C	-2.496754	-6.863664	8.826831	C	7.513687	5.925385	-0.623227	O	1.536485	11.338038	-0.817767
O	-3.147819	-6.178290	7.783418	O	6.873114	4.708051	-0.305304	C	0.167122	11.609123	-0.959222
C	-3.255731	-4.755404	8.105029	C	6.494846	4.009998	-1.494774	C	-0.702791	10.348298	-0.893519
C	-4.117317	-4.067758	7.067685	C	5.743712	2.719630	-1.219782	O	-0.403830	9.459320	-1.972964
O	-4.602117	-2.902350	7.712511	O	4.484032	3.014147	-0.675066	C	-1.149056	8.257201	-1.836160
C	-5.486817	-2.265765	6.790868	C	3.737157	1.843312	-0.321521	O	11.822240	4.750130	7.249881
C	9.837575	3.352186	9.219779	C	2.391571	2.268449	0.302582	O	8.270130	8.728761	10.183017
C	9.552276	4.294627	7.999948	O	1.493622	1.196681	0.206610	C	7.209628	10.777050	6.934662
C	8.262146	3.814118	7.312178	C	0.193105	1.564100	0.674938	Br	4.685577	11.457326	7.943332
O	10.465312	0.703348	7.161758	C	-0.718706	0.347771	0.642930	O	5.818573	10.116640	4.527905
O	14.189665	2.538021	7.560602	O	-2.041924	0.783971	0.771047	O	-10.405999	-5.958996	-13.953246
C	15.230628	3.342566	7.032344	C	-2.946926	-0.362279	0.865326	O	-8.515080	-12.120003	-18.325762
C	16.201096	2.575937	6.105558	C	-4.296398	0.224511	1.198573	O	-11.714991	-16.000002	-13.531368
O	15.561589	2.358408	4.864444	O	-4.271981	0.779344	2.507158	O	-11.503733	-9.223257	-8.011054
C	16.306644	1.521311	3.917747	C	-5.502426	1.403637	2.933059	O	-10.895605	-5.957630	-1.823414
C	15.456870	1.200815	2.696249	C	-5.289979	2.062758	4.290707	O	-7.157254	-10.572681	5.330328
O	14.267107	0.541541	3.154074	O	-5.216603	1.081215	5.334986	O	-11.594281	-4.331728	7.618495
C	13.540936	-0.104499	2.098351	C	-4.895819	1.672326	6.578070	O	-14.444821	-4.036420	-1.346783
C	12.272743	-0.678078	2.696138	C	6.952466	6.551042	8.449598	O	-13.638889	0.216348	-6.650633
O	11.296286	0.356837	2.959300	C	6.565168	7.437477	7.207466	O	-11.419767	0.230425	0.380883
C	10.106794	-0.276695	3.390593	C	5.943615	8.780088	7.786589	O	-20.025686	0.643941	3.854555
C	9.014550	0.785365	3.405100	C	5.853295	10.077592	6.976325	O	-25.964548	-4.614930	2.498060
O	7.825586	0.067105	3.712489	C	5.224449	9.951284	5.600281	O	-26.567308	-2.371782	-4.640660
C	6.798124	0.940518	4.020009	O	3.890115	9.606650	5.642797	O	-19.923550	0.059017	-10.923626
C	5.526647	0.105473	4.174804	C	3.160277	9.526233	4.385988	O	-13.699012	-4.497063	-10.910365
O	4.552888	0.947131	4.819706	C	1.605969	9.615146	4.655233	O	-16.406601	-7.221377	-19.188065
C	3.293392	0.371209	5.095845	O	1.325457	8.497936	5.486901	O	-20.672705	-12.184768	-15.611974
C	2.573366	1.111185	6.196900	C	-0.082032	8.534612	5.782342	C	-18.034735	-12.352861	-18.199099
O	2.992010	0.880766	7.500541	C	-0.492603	7.241288	6.543765	C	-18.384356	-13.942161	-16.236486
C	2.163277	1.268422	8.569785	O	-0.261083	6.119631	5.725948	C	-17.247868	-13.591237	-15.267458
C	2.889295	0.888914	9.858892	C	-0.999276	4.953238	6.078308	C	-16.940166	-14.845314	-14.462140
O	3.984514	1.746891	10.096015	C	-0.561159	3.791112	5.158416	O	-18.034086	-15.351137	-13.799596
C	4.517407	1.534717	11.402780	O	-1.281724	2.633889	5.574632	C	-17.932476	-16.460094	-12.928960
C	5.740146	2.390867	11.631372	C	-1.049747	1.619035	4.624746	C	-18.130630	-17.785507	-13.654043
O	6.249346	2.096974	12.925039	C	-1.765620	0.349215	5.047849	O	-17.786512	-18.863445	-12.773690
C	7.409646	2.850280	13.235492	O	-1.120893	-0.740309	4.289717	C	-17.436188	-20.080290	-13.352594
C	9.465340	5.787600	8.428626	C	-1.687859	-2.056445	4.498116	C	-17.272936	-21.115246	-12.293449
C	8.313030	6.600264	9.140379	C	-0.835705	-3.088256	3.847057	O	-16.259451	-20.650021	-11.382348
C	8.808075	7.984314	9.428174	O	-1.010665	-2.898945	2.441032	C	-15.997329	-21.643024	-10.393207
O	10.009668	8.261489	8.802003	C	-0.424239	-3.971800	1.705035	C	-15.318294	-20.940248	-9.258282
C	10.645822	9.500804	9.055035	C	-0.821123	-3.853114	0.160993	O	-14.002143	-20.595795	-9.634305
C	11.734037	9.677622	7.984016	O	0.004201	-2.882729	-0.468886	C	-13.306142	-19.827410	-8.698555
O	11.041136	9.836249	6.691251	C	-0.326297	-2.908586	-1.866283	C	-13.874406	-18.384266	-8.502605
C	11.843858	9.406758	5.596828	C	0.638341	-2.006657	-2.643510	O	-13.029693	-17.528748	-7.780664
C	11.092994	9.823715	4.296038	O	1.932334	-2.625320	-2.812792	C	-13.524830	-16.195551	-7.996404
O	11.829133	9.479743	3.142181	C	2.807061	-1.767695	-3.545294	C	-12.625921	-15.170050	-7.385386
C	11.370403	9.983177	1.959101	C	4.240894	-2.148824	-3.047358	O	-12.494337	-15.413684	-6.004608
C	12.192949	9.270788	0.833412	O	4.393911	-3.580443	-3.155277	C	-11.955086	-14.340142	-5.279099
O	11.678596	9.668593	-0.430021	C	5.712136	-3.996827	-2.867797	C	-12.032233	-14.705378	-3.772188

O	-11.155062	-15.799104	-3.527786	O	-20.573568	-11.339582	-8.521834	C	-11.098112	-10.134791	6.741518
C	-11.071524	-16.002428	-2.093599	C	-21.754025	-10.599436	-8.260131	C	-11.400984	-9.757106	8.189159
C	-10.084654	-17.087788	-1.839975	C	-22.951847	-11.350987	-8.803574	O	-12.765480	-9.558924	8.306918
O	-8.815404	-16.610411	-2.220356	O	-23.091633	-11.214865	-10.222337	C	-13.193880	-9.094604	9.602483
C	-7.905871	-17.659332	-2.249939	C	-24.089046	-10.305210	-10.605330	C	-14.703612	-8.907490	9.610476
C	-6.506664	-17.096910	-2.544556	C	-23.984571	-10.030394	-12.103225	O	-15.149120	-7.674764	9.065676
O	-6.489958	-16.626732	-3.901908	O	-24.328798	-11.193089	-12.902389	C	-14.973764	-7.605559	7.613375
C	-5.314946	-15.902981	-4.208410	C	-23.876055	-11.100434	-14.236075	C	-15.549893	-6.288918	7.133389
C	-17.658026	-12.409363	-14.368889	C	-24.362230	-12.300624	-15.037496	O	-16.952595	-6.279673	7.345589
C	-16.849739	-11.829815	-13.155308	O	-25.783464	-12.220328	-15.276935	C	-17.485659	-4.970754	7.037409
C	-16.936584	-12.848045	-11.992324	C	-26.355221	-13.267119	-16.058693	C	-18.994905	-5.022641	7.414108
C	-16.623665	-12.467158	-10.521321	C	-27.832113	-12.959499	-16.268129	O	-19.254862	-4.873295	8.829198
C	-15.389900	-11.552183	-10.436112	O	-28.341623	-14.089645	-16.943981	C	-20.657681	-4.690920	9.055624
O	-15.692940	-10.257624	-10.640564	C	-28.966518	-14.975108	-16.027168	C	-20.998100	-15.758761	-5.079300
C	-14.606449	-9.297612	-10.366395	C	-29.324869	-16.238235	-16.836994	C	-20.952436	-16.357334	-3.664676
C	-15.072648	-7.838714	-10.426797	O	-28.121954	-16.958260	-17.185591	C	-22.291950	-16.094912	-2.957697
O	-16.147293	-7.682948	-9.466773	C	-27.842770	-18.015749	-16.247578	C	-23.702888	-16.180843	-3.608791
C	-16.481060	-6.282392	-9.258477	C	-26.529993	-18.744450	-16.571974	C	-24.836212	-16.026043	-2.500960
C	-17.792458	-6.267765	-8.418772	O	-25.445133	-17.827517	-16.375769	C	-24.755260	-16.395500	-1.016247
O	-17.740728	-7.032037	-7.171221	C	-24.224468	-18.565168	-16.323164	C	-24.156301	-17.767088	-0.662466
C	-18.897797	-6.831815	-6.339215	C	-23.086922	-17.510595	-16.238922	O	-23.706964	-17.815392	0.638539
C	-18.744698	-7.789658	-5.101934	O	-23.197182	-16.843731	-15.010663	C	-23.060825	-18.992741	1.102296
O	-17.952604	-7.161498	-4.095752	C	-22.134352	-15.854977	-14.879313	C	-22.569324	-18.746668	2.496650
C	-17.809624	-7.923753	-2.916969	C	-22.148628	-15.231250	-13.507925	O	-21.721439	-17.586990	2.447691
C	-16.883411	-7.319750	-1.877376	O	-21.291311	-14.084160	-13.581723	C	-21.265116	-17.286942	3.773142
O	-16.752960	-8.155266	-0.765874	C	-21.128538	-13.544485	-12.275796	C	-20.649160	-15.887359	3.765183
C	-16.124250	-7.447617	0.295933	C	-16.932175	-10.935269	-7.759982	O	-21.705420	-14.931478	3.765837
C	-16.002205	-8.381740	1.468243	C	-18.328787	-13.042113	-7.529455	C	-21.314440	-13.571541	3.798772
O	-15.514375	-7.735809	2.633737	C	-18.724091	-13.236513	-6.088569	C	-22.571012	-12.761990	4.140723
C	-15.073296	-8.591643	3.720044	C	-20.130392	-12.617324	-5.718416	O	-22.375832	-11.353468	4.091137
C	-16.225710	-9.372895	4.334733	O	-14.302728	-11.942069	-10.119378	C	-21.547743	-10.842725	5.138090
O	-16.433739	-10.477490	3.474097	C	-18.623611	-14.761711	-5.691701	C	-21.328115	-9.302755	5.041925
C	-17.748209	-11.093980	3.548856	C	-19.716663	-15.795136	-6.035121	O	-20.579231	-9.075523	3.878242
C	-17.699009	-12.378095	2.672302	C	-19.145145	-17.218357	-6.026408	C	-20.320410	-7.700348	3.621816
O	-16.882969	-13.280275	3.404960	O	-17.940872	-17.229162	-5.368421	C	-20.014471	-7.390307	2.143508
C	-16.252506	-14.214303	2.589870	C	-17.282143	-18.467419	-5.292069	O	-19.951355	-5.990313	2.059516
C	-15.360779	-15.148786	3.398121	C	-15.896717	-18.232340	-4.613438	C	-19.728739	-5.391744	0.760223
O	-16.284603	-16.129583	3.887865	O	-16.152775	-17.882174	-3.252900	C	-20.872587	-5.672730	-0.204296
C	-15.781954	-16.913675	4.929308	C	-15.037829	-17.337704	-2.604854	O	-20.571505	-5.016468	-1.437567
C	-16.020432	-13.138956	-16.114225	C	-15.310510	-17.164812	-1.097430	C	-21.600594	-5.198687	-2.398151
C	-17.544521	-10.467278	-12.878619	O	-15.500726	-18.408947	-0.449006	C	-20.951803	-4.875902	-3.762997
O	-18.840488	-10.609233	-12.488815	C	-16.017694	-18.289541	0.870957	O	-20.830307	-3.473219	-3.791555
C	-19.594055	-9.391288	-12.363237	C	-17.499454	-18.659304	0.922758	C	-20.332731	-2.896779	-4.948488
C	-19.230379	-8.588882	-11.089558	O	-17.702356	-20.047787	0.691689	C	-20.410580	-1.417490	-4.938742
O	-19.785812	-7.278086	-11.131235	C	-19.105640	-20.342665	0.788561	O	-19.740702	-0.893121	-6.094549
C	-21.074701	-7.231654	-10.598517	C	-19.422728	-21.825821	0.583675	C	-19.691826	0.503261	-6.042323
C	-21.549282	-5.804939	-10.570407	O	-20.841696	-21.981903	0.888790	C	-20.381804	-15.510513	-7.402544
O	-21.766167	-5.437048	-11.893780	C	-21.305256	-23.241911	0.444282	C	-19.919731	-15.752817	-2.760999
C	-23.011484	-5.769841	-12.521949	C	-22.773224	-23.503859	0.717386	O	-18.913389	-16.307541	-2.335127
C	-23.028418	-5.521222	-14.016159	O	-23.032988	-23.444958	2.110217	C	-20.741463	-17.904882	-3.682880
O	-24.298103	-5.907756	-14.467758	C	-24.399042	-23.645025	2.492427	O	-20.166910	-14.441759	-2.501597
C	-24.292757	-6.647123	-15.674485	C	-24.523008	-23.423960	4.029504	C	-19.229782	-13.804912	-1.647296
C	-25.641472	-7.293045	-15.879383	O	-24.332438	-22.021791	4.307023	C	-19.535900	-12.308466	-1.493025
O	-25.948975	-8.174871	-14.818641	C	-24.457253	-21.672228	5.671949	O	-20.799833	-12.161046	-0.838670
C	-27.263124	-8.716367	-15.019332	C	-23.972248	-20.235025	5.829259	C	-21.183865	-10.812556	-0.696581
C	-27.644850	-9.428728	-13.704165	O	-24.039991	-19.872261	7.189340	C	-22.498962	-10.602370	0.040792
O	-28.014179	-8.520235	-12.733519	C	-23.403540	-18.605242	7.490210	O	-23.589958	-11.133754	-0.716966
C	-28.276241	-9.224169	-11.506486	C	-23.473534	-18.389833	8.988919	C	-24.879000	-10.920216	-0.231764
C	-28.369144	-8.244310	-10.388284	O	-22.869213	-17.122164	9.350238	C	-25.894072	-11.654453	-1.154042
O	-27.028141	-7.872465	-10.083317	C	-22.876085	-16.881639	10.773903	O	-25.700621	-11.097796	-2.454583
C	-27.075399	-6.924133	-9.079861	C	-17.746075	-12.541295	-5.127634	C	-26.570391	-11.744434	-3.369754
C	-25.657648	-6.539942	-8.628342	O	-16.470203	-12.990319	-5.368660	C	-26.287580	-11.124411	-4.720884
O	-25.120644	-7.591482	-7.857306	C	-15.428132	-12.411923	-4.519629	O	-27.105238	-11.757770	-5.689374
C	-23.762388	-7.331793	-7.374600	C	-15.546724	-12.927790	-3.062978	C	-27.095459	-11.060197	-6.923216
C	-23.532845	-8.269888	-6.197903	O	-14.433597	-12.395133	-2.387411	C	-27.759348	-11.883558	-8.019884
O	-24.236202	-7.868945	-5.036239	C	-14.317776	-12.850177	-1.085575	O	-29.167473	-11.836325	-7.836798
C	-23.679371	-8.545511	-3.866433	C	-13.257054	-12.072821	-0.389705	C	-29.851063	-11.954965	-9.060214
C	-15.405764	-11.581717	-13.631221	O	-13.039258	-12.670250	0.854613	C	-31.312660	-12.080292	-8.868971
O	-17.017218	-9.406367	-13.095297	C	-11.982098	-12.101898	1.583966	O	-31.606195	-13.430096	-8.582647
O	-15.841289	-15.396849	-14.457772	C	-11.976687	-12.575585	3.015820	C	-33.046066	-13.592224	-8.405133
C	-16.257095	-13.842943	-9.862563	O	-13.133333	-12.071911	3.748455	C	-33.367126	-15.026640	-8.016450
C	-17.952599	-11.909146	-9.856915	C	-13.281535	-12.567455	5.071360	O	-33.195835	-15.798607	-9.220539
C	-18.187983	-11.684334	-8.309934	C	-12.965646	-11.465537	6.054445	C	-33.377396	-17.184513	-8.994751
C	-19.422050	-10.756061	-8.094827	O	-11.556309	-11.335579	6.202978	C	-33.168880	-18.027706	-10.287031

O	-31.806734	-18.120834	-10.687491	O	-29.251259	-13.815164	-3.816453	H	-23.075350	-1.571866	-1.340708
C	-31.024458	-18.880953	-9.808383	C	-31.715347	-13.794480	-0.472014	H	-21.543386	1.690173	-2.367931
O	-19.411539	-9.638877	-7.576950	O	-31.804075	-12.623077	-1.165494	H	-23.258442	1.535399	-2.751919
O	-17.934263	-11.715239	-4.255454	C	-31.844755	-11.407893	-0.365270	H	-22.810738	3.733828	-1.840210
O	-19.572357	-18.210993	-6.555831	C	-33.231239	-10.957568	-0.010386	H	-23.819510	2.851469	-0.714189
C	-23.832479	-17.590443	-4.243677	O	-33.862186	-10.519027	-1.241396	H	-21.910143	5.108926	-0.126546
C	-23.922680	-15.084604	-4.697672	C	-35.282021	-10.288207	-1.187511	H	-23.041985	4.269418	1.017033
O	-24.802935	-15.446842	-5.635378	C	-35.665909	-9.525314	-2.457012	H	-21.250959	5.256145	2.357843
C	-25.190365	-14.483628	-6.677302	O	-35.554565	-10.489934	-3.509430	H	-21.174923	3.535542	2.413692
C	-24.757870	-15.166624	-8.002427	C	-35.683418	-9.822394	-4.748050	H	-18.885912	5.501841	2.900502
O	-25.267942	-14.392964	-9.037543	C	-34.951782	-10.758279	-5.761491	H	-19.007353	3.737769	3.110200
C	-24.852882	-14.727841	-10.348981	O	-33.572392	-10.444626	-5.777323	H	-17.118542	3.410353	1.405127
C	-25.718235	-13.826461	-11.283522	C	-32.874763	-11.318863	-4.913559	H	-17.195946	5.141764	1.106496
O	-26.975660	-14.484760	-11.219291	C	-31.452105	-10.843400	-4.724113	H	-14.723739	3.728474	2.183410
C	-27.928623	-13.758939	-11.932803	O	-31.448622	-9.555960	-4.100627	H	-14.670321	5.546859	2.009520
C	-29.217163	-14.544143	-12.018225	C	-30.063147	-9.197790	-3.832980	H	-14.559036	3.972265	4.759603
O	-30.253712	-13.698499	-12.486075	C	-30.083698	-7.799931	-3.246861	H	-13.204789	4.635374	3.844665
C	-31.572514	-14.076167	-12.121075	O	-30.603201	-7.853259	-1.924554	H	-12.479101	9.775798	6.507457
C	-32.513382	-13.180506	-12.938760	C	-30.643833	-6.534610	-1.463041	H	-12.259613	8.229649	7.389439
O	-32.334267	-11.840221	-12.512248	C	-31.264133	-6.474273	-0.103812	H	-11.673807	8.304346	5.727086
C	-33.436344	-11.040546	-12.923814	O	-30.498943	-7.220629	0.846799	H	-20.669714	23.308424	0.668165
C	-33.113449	-9.599297	-12.587894	C	-31.108694	-7.255123	2.126797	H	-20.840773	24.606600	1.863116
O	-33.090935	-9.550502	-11.170623	C	-30.454470	-8.337164	2.946686	H	-20.354494	22.976349	2.441920
C	-32.670856	-8.269192	-10.688043	O	-29.155590	-7.965679	3.472136	H	-22.424616	21.554916	0.612903
C	-32.360912	-8.393958	-9.182265	C	-28.062752	-8.295524	2.589764	H	-21.632465	21.213764	2.187647
O	-32.005188	-7.109673	-8.700964	C	-26.811632	-8.220834	3.443745	H	-24.644735	21.701927	1.849913
C	-31.597151	-6.953159	-7.310728	O	-25.709776	-8.582804	2.646188	H	-23.850760	20.113802	1.946483
C	-31.211443	-5.489734	-6.984044	C	-24.603245	-9.065161	3.426522	H	-25.777739	21.234386	3.819803
O	-29.945766	-5.235271	-7.531900	C	-32.898415	-15.899062	-0.622866	H	-24.980776	19.670996	4.182179
C	-29.507793	-3.920925	-7.104426	O	-31.583139	-13.811813	0.749063	H	-25.014889	22.320606	5.835880
C	-28.225613	-3.469312	-7.883562	O	-29.942562	-15.975897	-4.176626	H	-25.950899	20.945738	6.246794
O	-28.451777	-3.388399	-9.297557	C	-30.258442	-15.604682	-5.579321	H	-23.826414	22.213757	7.979445
C	-27.275185	-2.999352	-10.004654	C	-29.052687	-15.782914	-6.493500	H	-24.876635	20.909920	8.357603
O	-23.508307	-13.960901	-4.633477	O	-28.682795	-17.144070	-6.338226	H	-21.839483	20.398792	8.293209
C	-23.766663	-15.334321	-0.358734	C	-27.629129	-17.429302	-7.240347	H	-22.790567	20.766792	9.684468
C	-26.106169	-16.206987	-0.271015	C	-27.391020	-18.907509	-7.493464	H	-21.640818	18.210449	9.742458
C	-27.455441	-16.897905	-0.532459	O	-26.774384	-19.625139	-6.438781	H	-22.966318	18.785345	10.833850
C	-27.142841	-18.354589	-0.797721	C	-27.646893	-19.788507	-5.347351	H	-22.935734	16.332544	10.851625
C	-28.293066	-16.888062	0.768298	C	-26.912554	-20.632122	-4.337004	H	-24.458393	16.985018	10.279815
O	-28.245831	-15.770733	1.523220	O	-27.729685	-20.913946	-3.224605	H	-21.209097	16.394918	8.667608
C	-29.207319	-15.643464	2.527863	C	-27.323477	-22.014400	-2.349191	H	-21.751505	14.825151	9.379250
C	-29.084564	-14.330279	3.316483	C	-28.357296	-22.048876	-1.303439	H	-22.506887	14.097869	7.085224
O	-27.814262	-14.189038	3.810715	O	-29.564507	-22.336004	-1.986648	H	-22.237392	15.642613	6.371071
C	-27.766020	-13.020548	4.580195	C	-30.696512	-21.758629	-1.332384	H	-20.472551	13.240422	5.431190
C	-26.354553	-12.821998	5.085283	C	-31.025518	-20.335785	-1.899874	H	-20.834146	14.869947	4.885658
O	-26.360521	-11.618375	5.774969	O	-31.487722	-20.482336	-3.236923	H	-18.461918	15.523211	5.366556
C	-25.173922	-11.468236	6.536838	C	-31.533915	-19.222189	-3.964770	H	-18.131165	13.848366	6.046585
C	-25.178413	-10.003737	7.021747	C	-31.897379	-19.536928	-5.384611	H	-17.073505	15.278987	3.636385
O	-23.955885	-9.795894	7.773100	O	-33.285465	-19.876383	-5.425890	H	-16.446993	13.798882	4.290256
C	-23.734934	-8.427236	8.019038	C	-33.679901	-20.432503	-6.679950	H	-17.544823	14.117585	1.452520
C	-22.599613	-8.173057	9.024850	C	-35.189404	-20.379896	-6.712767	H	-15.875913	14.327111	1.846945
O	-21.425961	-8.581589	8.411694	O	-35.497955	-19.025330	-6.987552	H	-16.781256	12.101253	0.032753
C	-20.395927	-8.655417	9.334690	C	-36.932049	-18.978230	-7.176462	H	-15.227747	12.502916	0.660768
C	-19.139969	-9.147647	8.615846	C	-37.336800	-17.701498	-7.886763	H	-16.677393	9.859812	1.180429
O	-19.228722	-10.495976	8.238755	O	-37.161144	-16.638758	-6.988911	H	-15.316844	10.089318	-0.012823
C	-17.985723	-10.892851	7.643562	C	-37.357697	-15.449824	-7.726899	H	-12.864413	6.865433	2.885200
C	-18.147240	-12.321919	7.145159	H	-10.278880	4.875487	-3.560712	H	-11.592513	7.983942	2.185722
O	-18.024614	-13.212312	8.192492	H	-11.801707	5.785329	-3.768078	H	-14.549606	9.858926	4.693485
C	-18.150177	-14.539010	7.778345	H	-10.774198	5.750949	-2.236744	H	-14.971620	8.294255	3.984655
C	-18.162582	-15.480973	8.999409	H	-12.787220	3.890930	-4.627832	H	-15.075603	9.373221	6.790340
O	-18.559496	-16.792133	8.655524	H	-11.390358	2.838902	-4.278935	H	-15.907615	8.000833	5.973232
C	-18.267012	-17.766428	9.672428	H	-13.502674	1.554664	-4.352993	H	-20.326626	13.221581	-1.718097
C	-18.801460	-19.110748	9.113288	H	-12.678575	1.427981	-2.839825	H	-20.761803	11.421122	-1.671630
O	-18.354362	-20.072754	10.038806	H	-15.812192	1.245137	-3.655299	H	-19.606256	13.108833	0.665687
C	-18.830973	-21.306089	9.607320	H	-14.941906	0.722293	-2.111514	H	-21.407375	13.038205	0.281675
C	-28.212423	-16.412905	-1.862192	H	-16.191292	2.643373	-0.893827	H	-19.954748	12.054744	2.792379
C	-29.294901	-15.309679	-1.920389	H	-17.014315	2.922787	-2.398775	H	-21.733986	11.865603	2.523587
C	-28.827700	-14.042681	-1.168744	H	-18.392019	2.388344	-0.139051	H	-21.402903	9.339692	2.744162
O	-28.934481	-17.895897	1.143962	H	-19.236662	2.294333	-1.637662	H	-19.596609	9.615267	2.915722
O	-24.082701	-18.728855	-1.393534	H	-18.950409	-0.050467	0.402941	H	-20.610842	8.397732	5.086731
C	-30.629358	-15.889612	-1.357392	H	-20.326834	0.972567	0.242730	H	-19.110630	9.321263	5.118613
C	-31.858107	-15.075189	-1.333713	H	-20.787437	-2.226060	-1.206190	H	-21.556734	10.064475	6.897445
Br	-32.598068	-14.643324	-3.131235	H	-21.055132	-1.186464	0.214779	H	-20.208155	9.063940	7.450964
C	-29.489735	-14.909068	-3.406448	H	-22.228394	-0.762995	-2.685726	H	-19.284031	12.258865	8.603555

H	-21.015461	12.213926	8.302413	H	-22.528921	13.302942	-6.149185	H	-15.228798	9.662978	15.323184
H	-20.314014	11.095268	10.519309	H	-20.555449	15.250077	-5.392079	H	-14.545608	11.418656	13.605751
H	-20.884090	9.776869	9.457556	H	-22.316923	15.301906	-5.070310	H	-16.303139	11.503884	14.013831
H	-21.920336	9.262602	0.068013	H	-20.105164	15.234559	-2.871491	H	-14.559868	13.490601	12.914467
H	-22.919842	8.910569	-1.382505	H	-20.830980	16.734098	-3.592747	H	-16.301870	13.831341	13.361507
H	-23.918518	8.789696	1.346915	H	-22.282497	17.499519	-1.815528	H	-15.382686	15.558018	15.027291
H	-24.830166	8.134615	-0.200849	H	-23.469498	16.420813	-1.114235	H	-13.760039	15.217891	14.491372
H	-25.749552	7.255372	2.066221	H	-21.752436	15.292226	0.187878	H	-14.841586	17.922306	14.169101
H	-25.052780	5.920761	1.134332	H	-20.493143	16.147158	-0.653309	H	-13.471396	17.417320	13.131968
H	-25.506083	6.183671	3.982586	H	-21.521875	15.987812	2.281229	H	-14.712496	19.244701	12.030348
H	-24.503578	4.828261	3.425813	H	-19.913488	16.700136	1.782167	H	-14.886993	17.699265	11.152940
H	-23.570658	7.097798	5.320260	H	-20.739454	18.996511	2.553796	H	-16.848089	20.263069	11.874644
H	-24.304852	5.563156	5.841928	H	-22.280581	18.219376	2.928431	H	-16.739443	19.134008	10.435150
H	-21.667004	6.339284	6.552191	H	-20.350534	19.666735	4.762251	H	-19.030867	18.860262	12.423490
H	-22.018246	4.563196	6.816702	H	-21.800968	18.937103	5.441830	H	-19.110294	19.737667	10.815443
H	-20.241590	4.117267	4.946539	H	-20.324278	19.053238	7.283999	H	-17.736969	16.570745	12.106875
H	-19.860888	5.850605	4.966881	H	-20.339312	17.380302	6.846781	H	-19.541981	16.229801	12.016726
H	-18.282206	3.182149	5.990276	H	-18.361534	18.501604	8.350445	H	-18.502581	14.318297	11.069910
H	-17.746037	4.780519	5.376294	H	-17.899897	16.938919	7.674823	H	-19.099474	15.215878	9.648399
H	-17.534382	4.008076	8.309405	H	-16.423349	19.527830	6.940464	H	-16.531467	13.352620	9.880349
H	-16.231413	3.665399	7.169699	H	-15.994957	18.479008	8.357777	H	-17.458347	13.946971	8.413983
H	-16.537174	9.465910	8.354874	H	-14.085781	19.075788	6.499289	H	-15.655060	15.319357	7.697566
H	-17.486233	8.060890	7.905245	H	-13.739019	17.483732	7.322325	H	-14.622643	14.823584	9.090612
H	-15.341582	9.148901	10.892232	H	-14.027404	16.499067	5.028160	H	-14.230521	14.615394	6.195625
H	-16.424923	10.413455	10.495459	H	-13.883326	18.145632	4.330351	H	-13.024593	14.303362	7.522468
H	-16.606981	9.363533	11.964688	H	-8.896967	16.704535	3.289431	H	-12.967494	11.822079	6.806505
H	-18.021309	4.346383	-9.869482	H	-8.256550	16.465553	4.986612	H	-14.198942	12.144101	5.554946
H	-16.360868	4.454390	-10.583108	H	-11.565524	15.684544	3.335285	H	-12.932132	12.958781	1.280716
H	-17.082817	2.893399	-10.100978	H	-10.312386	15.146933	2.243299	H	-12.674036	14.716068	1.600544
H	-18.061766	4.059534	-7.303998	H	-21.294352	21.885862	6.133185	H	-11.342006	13.853128	0.821840
H	-17.264694	2.563784	-7.588321	H	-21.728758	23.622627	6.117467	H	-9.796924	12.480349	2.468815
H	-16.553638	3.256695	-5.210666	H	-21.284796	22.790596	4.483989	H	-10.407360	12.195960	4.068804
H	-15.153615	3.418840	-6.249980	H	-18.796387	21.430864	6.344361	H	-11.983407	11.299623	0.616129
H	-15.838157	4.927029	-3.710062	H	-19.000769	21.614202	4.467380	H	-10.201195	11.197630	0.690427
H	-14.349570	4.975855	-4.689982	H	-16.695671	21.835062	4.997955	H	-11.253385	9.684573	0.724390
H	-14.810316	7.362049	-5.266849	H	-17.302179	23.419348	4.439942	H	-11.590114	7.647471	3.955020
H	-16.144007	7.329751	-3.969164	H	-14.953776	22.500481	5.903761	H	-10.006413	18.949339	6.652047
H	-14.032945	9.064603	-3.874059	H	-15.355381	24.312927	5.512299	H	-10.493368	17.201323	6.920203
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H	-12.836248	9.705532	-1.745265	H	-15.294766	24.685022	8.057053	H	-20.213079	25.693731	-3.220578
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H	-11.094041	-1.069850	2.842734	H	-3.148905	5.251301	-4.803484	H	32.342999	-0.428628	3.143902
H	-9.056600	-0.481349	1.627208	H	-3.114759	8.171425	-5.572261	H	33.036598	-1.944623	2.444181
H	-8.057644	-1.416212	2.943768	H	-1.992668	6.966707	-6.242459	H	27.879139	0.609334	-0.515129
H	-7.840894	-4.936566	0.669820	H	-4.011800	7.450278	-7.678768	H	27.976116	1.057827	1.183588
H	-8.719386	-4.086015	-0.565889	H	-3.985273	5.738594	-7.274365	H	29.320496	1.510945	0.162070
H	-5.653232	-4.169923	-0.297107	H	-5.595733	6.131751	-5.308366	H	16.625170	-17.745853	6.272063
H	-6.715577	-4.611186	-1.742572	H	-5.676781	7.838839	-5.799778	H	15.035108	-17.220154	6.522426
H	-7.428459	-2.367611	-2.105731	H	-6.558768	7.284900	-7.920969	H	15.691228	-17.203030	4.802128
H	-6.517535	-1.810582	-0.706119	H	-6.494472	5.527125	-7.717276	H	15.134582	-14.847749	4.701461
H	-4.330200	-2.544427	-1.918749	H	-10.420575	7.515938	-6.128697	H	14.520141	-14.786359	6.372517
H	-5.298717	-3.199158	-3.277778	H	-10.770728	7.549228	-7.936813	H	15.272516	-12.580416	5.718804
H	-5.941096	-1.055919	-3.999613	H	-10.562003	5.049013	-6.138271	H	16.353470	-13.178528	7.000658
H	-5.783862	-0.257240	-2.512178	H	-12.123197	5.800244	-6.503022	H	16.894293	-11.184930	5.004778
H	-2.328473	0.821578	-4.893796	H	-11.765393	5.482815	-8.905413	H	18.132446	-11.657671	6.205466
H	-2.916506	2.428773	-4.355598	H	-10.244533	4.618802	-8.724790	H	19.568411	-10.877706	4.544476
H	-2.076560	1.996864	-1.979970	H	-12.766688	3.703651	-7.212865	H	19.680616	-12.591629	4.375605
H	-1.509917	0.393777	-2.491813	H	-12.487743	3.187459	-8.941924	H	19.298239	-9.759223	2.441092
H	0.446558	1.789007	-2.523137	H	-10.494487	2.628767	-6.645878	H	20.529667	-11.004192	2.152834
H	-0.035223	1.892305	-4.274740	H	-11.816121	1.595491	-7.220283	H	19.450022	-11.570120	0.087071
H	-1.415883	4.116377	-3.371877	H	-9.147321	-0.414196	-9.751566	H	17.934755	-10.787142	0.549265
H	-0.598820	3.892780	-1.802926	H	-7.793694	0.735004	-9.403403	H	19.400846	-10.224368	-1.870042
H	0.851951	5.429316	-2.826088	H	-6.991300	-0.702471	-7.497984	H	17.938259	-9.386089	-1.248278
H	1.719797	3.924060	-3.199895	H	-8.503266	-1.669516	-7.481708	H	18.866047	-7.765131	-2.662581
H	2.689011	4.671243	-7.090613	H	-7.905051	-2.432816	-9.882476	H	19.448759	-7.209366	-1.047768
H	0.962191	5.045243	-7.297411	H	-6.243370	-1.741900	-9.689430	H	20.972494	-6.758684	-3.774653
H	3.066815	7.237751	-6.629759	H	-7.596800	-3.838828	-7.759801	H	21.177891	-6.120936	-2.103132
H	2.637356	6.700501	-8.338284	H	-6.557323	-4.313969	-9.138095	H	23.376099	-7.558249	-1.893816
H	0.213751	7.268089	-7.873351	H	-4.746137	-2.755419	-7.806135	H	23.016212	-8.170133	-3.599327
H	0.575480	7.663554	-6.197147	H	-5.886620	-2.978474	-6.467716	H	25.499868	-6.831808	-3.020729
H	0.301781	9.740318	-7.472953	H	-3.751827	-6.852754	-5.980987	H	24.934849	-6.913334	-4.652725
H	2.032381	9.718073	-7.001671	H	-2.564260	-6.246999	-7.286299	H	24.843964	-4.336373	-4.826275
H	1.656040	10.492116	-9.313689	H	-1.339943	-6.800849	-5.448953	H	25.754009	-4.350704	-3.265648
H	2.740178	9.122508	-9.212032	H	-1.278267	-4.940582	-5.501382	H	26.404016	-3.974129	-6.583040
H	-0.291598	7.404599	-11.991342	H	-1.554630	-5.887500	-3.212098	H	26.815994	-3.048270	-5.139302
H	1.296930	7.366746	-12.955937	H	-2.749043	-4.630371	-3.741141	H	28.638153	-5.205513	-6.338306
H	2.297819	5.795028	-11.254521	H	-4.398077	-6.428447	-4.187100	H	28.831892	-3.437170	-6.745141
H	0.738680	5.809389	-10.343805	H	-3.221456	-7.635459	-3.563573	H	31.065462	-4.462375	-5.717325
H	-0.401116	4.961137	-12.469743	H	-3.363271	-6.531184	-1.308714	H	30.649689	-2.659612	-5.758523
H	1.191714	4.862864	-13.236100	H	-4.532287	-5.364222	-1.987695	H	31.456608	-4.292218	-3.251773
H	0.555432	2.598810	-12.329773	H	-6.851436	-9.660913	-2.784623	H	32.552673	-3.226067	-4.154601
H	2.076816	3.272545	-11.574358	H	-7.896134	-8.263338	-2.228490	H	32.442364	-0.609490	0.027502
H	0.724147	2.195289	-9.866613	H	20.082655	9.819672	2.353669	H	32.643898	0.715529	-1.094509
H	0.652561	4.015768	-9.557590	H	18.850025	8.959198	1.268172	H	28.999397	-1.557835	-1.333470
H	-3.429698	3.622897	-9.186735	H	18.333361	9.689103	2.777374	H	30.231659	-2.327778	-0.399151
H	-3.432392	1.932374	-9.364985	H	19.721441	6.569481	1.399285	H	27.416080	-0.936860	1.786566
H	-3.080375	1.666990	-6.935480	H	21.194645	7.503900	1.898572	H	27.259737	-1.526926	0.097548
H	-2.946172	3.344599	-6.689130	H	19.626825	5.350910	3.544558	H	23.991884	-1.658557	-11.050643
H	-5.361657	3.630623	-7.615118	H	21.114187	4.888030	2.583301	H	23.925018	-2.479723	-9.450592
H	-5.425083	1.909460	-7.947578	H	20.765779	4.788032	5.464750	H	25.151934	0.274633	-9.978792
H	-5.287094	1.531564	-5.344471	H	22.309483	4.346971	4.621457	H	23.529795	0.007315	-9.370704
H	-5.240850	3.308620	-5.248036	H	23.517918	6.290091	5.851668	H	25.983194	1.206091	-7.761581
H	-7.559280	3.521049	-5.970829	H	22.037197	6.747276	6.685112	H	24.217779	1.168154	-7.355294
H	-7.567320	1.867666	-6.697361	H	24.655029	5.767166	7.761485	H	26.254293	-0.471535	-5.723203
H	-7.611791	1.035507	-2.201123	H	23.137165	6.139227	8.782788	H	25.843531	1.256986	-5.413825
H	-6.705040	2.403198	-1.516131	H	24.585590	4.398984	9.950449	H	25.062313	-1.577053	-4.185643
H	-8.823300	3.802826	-1.916231	H	23.050406	3.866065	9.661979	H	24.943909	-0.090368	-3.277793
H	-9.722250	2.217931	-2.084263	H	25.157772	2.033523	10.089202	H	22.323994	-0.410228	-3.291621
H	-9.148384	1.668063	0.275882	H	23.503294	1.640198	9.487172	H	22.569233	-1.931386	-4.221490
H	-8.180427	3.193344	0.394136	H	25.187355	-0.223806	8.868161	H	21.760834	-1.455786	-1.036786
H	-10.291015	4.596356	-0.095836	H	24.565311	0.644144	7.438409	H	21.445614	-2.645237	-2.258023
H	-11.146065	2.987876	-0.217178	H	27.003420	-0.730574	7.518193	H	21.704420	-3.840108	-0.100649
H	-11.461855	3.883135	2.056546	H	26.451765	0.235199	6.243807	H	23.018896	-4.275557	-1.142569
H	-10.444059	2.491414	2.159875	H	28.893143	0.296826	5.971255	H	35.078663	-4.831243	-2.959965
H	-8.043181	7.211875	2.456155	H	28.517612	1.899745	6.839223	H	35.751472	-6.116884	-2.039052
H	-7.852046	5.845841	3.691240	H	30.764427	1.585157	7.235303	H	34.341839	-6.024087	-4.808038
H	-5.887542	5.847983	2.229533	H	30.544441	1.683897	9.013648	H	35.169991	-7.579668	-4.464281
H	-6.811487	4.497174	1.479346	H	32.597782	0.619964	8.221805	H	32.051884	-7.126424	-4.608300

H	32.992500	-8.105989	-5.766181	H	28.787933	2.609248	-9.069665	H	28.004972	4.032618	7.571133
H	30.786766	-9.164087	-4.681469	H	27.734516	5.192963	-9.868498	H	26.802887	5.945683	6.670334
H	32.055653	-10.337980	-5.268037	H	29.577576	4.965236	-9.711647	H	28.118143	6.557340	5.584279
H	30.465298	-11.367556	-3.584268	H	29.798853	5.406771	-12.239574	H	25.516632	5.773034	4.629090
H	32.020149	-11.270989	-2.721059	H	28.030865	6.019862	-12.301623	H	26.887730	6.001565	3.475123
H	31.942823	-10.012528	-0.740488	H	27.598494	8.096167	-11.537791	H	24.976482	4.616723	2.583538
H	32.250900	-8.542485	-1.733484	H	27.779163	7.378848	-9.941377	H	26.554626	3.604780	2.672179
H	29.567703	-8.909830	-0.143543	H	29.385057	9.836205	-10.987769	H	25.886633	1.422634	3.340285
H	30.918728	-8.015112	0.484427	H	27.962927	9.908217	-9.993423	H	24.526119	1.275971	4.445786
H	28.163698	-6.797799	-0.950207	H	30.252041	11.092075	-8.918431	H	23.527624	0.718658	2.371725
H	29.443909	-6.435516	0.452857	H	28.893900	10.686224	-7.885140	H	23.094961	2.383078	2.587016
H	30.396105	-4.717417	-1.250190	H	30.953777	10.917630	-6.544912	H	23.493643	0.901002	0.013800
H	29.079769	-4.955806	-2.308520	H	30.663029	9.187876	-6.555873	H	22.979519	2.676489	0.087076
H	26.174620	-3.550192	0.343581	H	34.166405	10.208273	-7.602334	H	25.787607	1.864175	-1.078077
H	26.590260	-4.774448	1.514489	H	33.253571	11.053845	-6.382182	H	24.294666	2.075853	-2.073916
H	25.661018	-1.475936	3.282743	H	33.518272	8.031409	-6.827577	H	25.871292	3.881631	-2.883582
H	25.183811	-1.300097	1.514797	H	34.656055	8.951014	-5.732223	H	25.859331	5.332653	-2.034026
H	23.917873	-1.561153	2.743581	H	30.144033	7.274513	-2.568606	H	27.550003	4.580704	-0.425003
H	37.884289	-1.952200	-0.558318	H	30.733715	7.366688	-4.250434	H	27.306644	2.878732	-0.804278
H	39.055489	-0.714065	-0.543174	H	29.171047	5.517796	-3.868650	H	29.647470	3.489402	-6.348541
H	37.338486	-0.297646	-1.044253	H	30.236107	5.215673	-5.211124	H	28.401453	2.280254	-5.659842
H	37.499241	-3.222719	-2.456465	H	22.124641	6.661532	-0.942574	H	28.105677	3.980032	-5.668469
H	36.335537	-1.739335	-2.590047	H	22.349445	7.940459	-2.130456	H	31.376806	2.607395	-4.972733
H	38.394222	-2.738495	-4.700700	H	23.512348	6.552146	-2.009541	H	31.475849	2.827410	-3.173682
H	36.697342	-3.170095	-4.681131	H	23.847368	7.068732	1.334442	H	28.932980	0.267367	-4.824053
H	37.801872	-1.826710	-6.969102	H	24.563622	6.244319	-0.098866	H	30.287140	0.655916	-5.996421
H	36.087639	-2.260186	-6.694940	H	25.594320	8.934577	1.081258	H	30.266787	-0.817362	-4.985093
H	36.130894	-0.566056	-8.365462	H	26.080206	7.276516	1.627754	H	31.359219	0.820548	0.197036
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H	36.828693	1.492821	-9.264727	H	27.642004	9.496194	-0.244090	H	31.951927	10.408368	-2.483239
H	36.006413	2.165272	-7.854612	H	29.541227	8.683358	0.983390	H	30.840691	9.808850	-3.715223
H	38.251072	3.099322	-7.127995	H	28.005169	8.269449	1.841557	H	15.494439	13.646346	2.134342
H	38.940636	2.490877	-8.581440	H	30.823261	6.807660	2.060955	H	15.231599	11.902107	2.341095
H	39.286076	5.076366	-8.171247	H	29.393049	6.766466	3.095096	H	13.918433	13.090857	2.739438
H	39.409317	4.312646	-9.713045	H	28.965145	4.382534	2.205662	H	13.722987	12.292720	4.932351
H	37.331200	6.577649	-9.062920	H	30.414764	4.510771	1.165899	H	14.962931	11.100786	4.581994
H	38.822369	6.876518	-9.977152	H	29.599173	2.783193	3.599173	H	15.202875	13.276375	6.803224
H	36.033192	7.451294	-10.695829	H	31.084730	2.584895	2.611111	H	14.920566	11.545564	6.978790
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H	34.933708	7.289180	-12.841254	H	31.242369	1.650650	4.889064	H	17.122065	12.151151	8.338502
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H	33.190899	5.101509	-13.195648	H	33.720730	0.894108	4.962457	H	19.065525	11.065068	7.070923
H	34.388611	3.843374	-12.558141	H	35.184528	3.565992	5.391782	H	21.380722	13.327040	5.244801
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H	31.794666	3.677143	-11.945554	H	36.988873	3.670491	4.288591	H	20.935688	10.414905	6.121610
H	31.330666	3.528489	-9.206351	H	37.651695	2.044406	4.781090	H	20.373131	11.028544	4.459867
H	31.823133	1.906349	-9.900483	H	38.767857	2.530657	2.719172	H	22.608438	8.971738	5.298036
H	32.137684	2.025720	-7.377163	H	37.692375	1.233300	2.461093	H	21.930094	9.323406	3.615580
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H	33.248699	3.122888	-5.571592	H	34.880440	2.942979	1.164060	H	24.218412	10.320751	3.061597
H	34.816273	3.407086	-6.451412	H	36.128586	3.597619	-0.850949	H	26.579254	8.857776	3.864761
H	34.694885	5.319211	-5.041874	H	37.199245	2.174129	-0.705729	H	26.631659	10.591419	3.844850
H	34.065468	5.954692	-6.547081	H	35.142651	2.971628	-3.007658	H	27.102770	8.966982	6.459454
H	30.140198	5.369401	-1.210410	H	36.557407	1.794735	-3.036028	H	28.309103	9.425345	5.208041
H	31.131186	3.851482	-1.655932	H	34.875717	1.050560	-4.576001	H	28.350077	10.621708	7.958710
H	31.896973	5.234091	-1.083416	H	34.914566	-0.094348	-3.203682	H	29.481726	10.764451	6.579768
H	40.700615	0.322574	-11.636644	H	30.185026	1.431610	-1.868482	H	27.931557	13.171282	7.782873
H	40.462517	-1.307455	-12.308842	H	29.192234	0.123525	-2.637633	H	29.656790	12.615826	8.327936
H	41.042820	-0.001167	-13.292321	H	35.869759	13.329485	12.144098	H	28.794249	15.152362	6.725268
H	38.095043	-1.477419	-11.714649	H	35.032814	14.627373	12.931753	H	30.451851	14.875145	7.419564
H	38.200756	0.201799	-11.078493	H	35.074547	13.085337	13.710125	H	29.754982	14.925185	4.315287
H	36.553242	1.008103	-12.509814	H	34.332382	11.364954	11.807264	H	30.486547	16.257998	5.312084
H	36.601971	-0.437337	-13.617375	H	33.216141	11.629554	13.144058	H	31.666590	14.749550	3.009700
H	34.409660	0.876638	-12.305352	H	31.261787	12.035500	11.720897	H	32.275387	16.194593	3.899467
H	34.171593	-0.743041	-13.162225	H	32.392265	12.122273	10.210557	H	34.059086	14.979598	2.814274
H	33.565964	-1.733194	-10.879493	H	30.042645	10.355751	10.931766	H	34.255062	14.849928	4.588983
H	33.696301	-0.130052	-10.157009	H	31.007431	9.917542	9.465798	H	36.866203	10.851158	2.822146
H	31.220963	-2.094114	-10.667306	H	31.633787	7.788147	10.366187	H	36.711262	10.885730	4.625491
H	31.388638	-0.762503	-9.551199	H	30.769686	8.041526	11.827234	H	36.238178	9.368543	3.663615
H	29.611012	-0.623793	-12.096781	H	30.198580	5.960071	10.462568	H	18.269602	8.826614	10.813294
H	28.902567	-1.190678	-10.545818	H	28.870499	6.519555	11.284592	H	19.258501	7.501127	11.453503
H	27.773251	1.202375	-11.631489	H	28.236828	4.797338	9.660691	H	19.010303	8.941089	12.421036
H	27.484234	0.594134	-9.948049	H	27.389793	6.312750	9.069025	H	21.101067	7.472585	9.895296
H	27.029881	2.888183	-9.693451	H	29.380804	4.351286	6.499448	H	19.694342	8.269062	9.041326

H	21.716793	8.456922	7.782552	H	36.809284	7.497803	-5.017712	H	37.829231	-5.388285	-7.222695
H	21.303547	10.131057	8.389329	H	35.985180	7.249030	-6.726653	H	36.506649	-5.214275	-6.031436
H	24.002457	9.260050	7.586227	H	37.316868	6.178371	-6.290689	H	37.864319	-8.709643	-5.915227
H	23.564493	10.842966	8.394817	H	39.419277	6.696651	-6.449814	H	38.851910	-7.233416	-6.197256
H	25.579601	8.850384	9.398813	H	39.937447	8.283004	-6.876768	H	37.611492	-7.258504	-4.864008
H	25.875954	10.584858	8.756495	H	38.663841	7.676052	-4.193304	H	25.219093	-5.192424	3.179782
H	26.696182	9.390561	11.243217	H	40.460217	7.721548	-4.472520	H	25.976797	-3.830548	4.105390
H	26.770212	11.178200	10.946487	H	39.316410	9.344637	-2.572818	H	28.094957	-3.944695	3.661244
H	25.221304	9.684010	13.264133	H	40.889233	9.609088	-3.137727	H	29.238546	-2.603163	3.270861
H	25.115728	11.396965	12.928445	H	40.170334	11.916306	-2.226223	H	27.607052	-2.273252	3.718635
H	27.281141	9.018452	14.569819	H	40.344425	12.106804	-3.970145	H	23.600193	-1.856440	5.033958
H	27.799597	8.881873	12.879199	H	37.200230	10.676835	-2.168208	H	23.596451	-2.881512	6.490158
H	29.540537	10.647947	13.350649	H	38.262085	11.680677	-1.212478	H	25.105000	-2.513204	5.662249
H	29.126818	10.678754	15.112391	H	36.175903	12.644769	-0.967581	H	21.634604	-3.852362	4.737306
H	31.686476	9.917825	13.642808	H	36.953724	13.728501	-2.056981	H	22.407375	-3.002436	3.359141
H	31.546017	9.836679	15.405119	H	33.812057	12.749491	-2.019850	H	22.202084	-4.805960	3.331154
H	32.152859	7.413340	15.385694	H	34.660683	14.236966	-2.358364	H	26.206186	-6.437077	7.483015
H	31.987070	7.306955	13.624761	H	33.359295	12.206496	-4.363307	H	24.916882	-7.339740	6.810599
H	34.178192	6.552075	15.025208	H	34.064022	13.753788	-4.909215	H	24.662527	-4.880758	8.715563
H	34.259624	6.677444	13.266676	H	32.200207	15.008903	-5.528713	H	23.378906	-5.901461	8.179812
H	36.025688	8.391081	15.234030	H	31.445019	13.392261	-5.678861	H	24.594337	-7.935002	9.427825
H	36.623768	6.868449	14.402302	H	30.366056	15.771473	-3.964692	H	25.763344	-6.723745	10.031255
H	38.044971	9.333440	14.257506	H	29.795448	15.252974	-5.610418	H	24.141388	-5.610995	11.456701
H	38.244556	7.950201	13.136926	H	28.056408	15.306505	-3.494802	H	22.738949	-6.604186	10.727646
H	37.545891	10.934195	12.286555	H	27.578440	14.274453	-4.953904	H	23.867496	-8.659545	11.779242
H	39.061901	10.105662	12.037683	H	26.261848	13.592152	-3.095140	H	25.074736	-7.539056	12.508565
H	35.765678	10.188072	10.826270	H	27.320862	12.249600	-3.387293	H	22.379150	-4.690574	14.974401
H	37.136837	11.117528	9.967328	H	25.896170	12.878007	-1.011144	H	21.688898	-6.353120	15.257035
H	37.276691	9.293289	8.295076	H	27.087854	11.501712	-1.067824	H	23.444176	-5.846142	17.038836
H	35.903587	8.449466	9.157587	H	27.265184	13.952047	0.687204	H	23.956442	-7.145859	16.059883
H	32.402130	11.822445	6.537939	H	26.412397	12.480906	1.334849	H	25.747061	-5.664379	16.456753
H	32.390129	10.008383	6.878846	H	29.328154	13.883723	2.240199	H	25.418352	-5.498577	14.722653
H	33.198017	11.208099	8.037678	H	27.921356	12.937964	2.956797	H	24.343552	-3.386812	14.889408
H	33.628242	9.531252	4.696805	H	30.128012	12.301232	4.042555	H	24.223085	-3.468675	16.710327
H	32.882256	11.165586	4.589197	H	29.344069	10.900182	3.049906	H	26.191782	-2.150563	16.231510
H	35.178982	10.231836	1.476588	H	34.038013	11.876056	-0.142361	H	26.789711	-3.704717	16.901398
H	34.172943	9.177149	2.472508	H	32.203487	11.945193	-0.037058	H	27.596933	-4.288770	12.346066
H	22.321266	8.395391	14.885305	H	33.299614	12.736540	1.184106	H	28.071178	-2.500645	12.243619
H	22.172935	8.864581	13.114730	H	32.102818	8.689178	1.073868	H	25.615934	-4.062319	11.310647
H	21.460360	7.330206	13.660008	H	31.763659	9.805456	-0.159178	H	25.343599	-2.261078	11.662129
H	23.059435	6.241313	11.835490	H	34.120144	10.177027	-1.946637	H	25.725016	-2.663747	9.302329
H	23.621918	7.934683	11.734042	H	35.208107	10.131005	-0.539872	H	26.966146	-1.722094	9.925271
H	25.497719	6.352942	11.034548	H	35.322765	8.876101	-1.741769	H	28.613876	-3.669179	9.942545
H	25.923277	7.104114	12.652891	H	33.069542	-4.538058	-1.464042	H	27.308716	-4.802123	9.780662
H	27.000259	4.713249	11.836284	H	34.667591	-4.014361	-0.816466	H	26.858704	-3.792819	7.382589
H	27.137789	5.382827	13.453083	H	34.721191	-4.713353	1.493107	H	28.333902	-2.721966	7.660206
H	25.959776	3.280102	14.323856	H	32.986130	-4.238320	1.031611	H	30.588762	-4.954967	4.726460
H	25.881256	2.598163	12.684630	H	32.873451	-5.551318	3.263272	H	30.864449	-5.719703	6.258294
H	27.071371	1.250206	14.707874	H	32.313133	-6.563909	1.843312	H	30.317751	-7.479461	4.696300
H	27.446053	0.893989	12.871527	H	33.457256	-8.055389	4.066234	H	29.142948	-7.312900	6.031536
H	29.473734	1.416435	15.140206	H	32.644348	-8.364785	2.487078	H	27.527555	-6.349617	4.484035
H	28.987690	-0.183483	14.537027	H	34.863319	-9.622181	1.752834	H	28.716734	-5.992706	3.231547
H	31.649786	1.398320	14.586257	H	35.457298	-9.202788	3.425250	H	28.988319	-8.324392	2.634446
H	31.486135	-0.352581	14.107442	H	34.896732	-11.917961	2.124605	H	28.039762	-8.855311	4.099208
H	33.390369	0.297958	12.903385	H	35.572895	-11.712427	3.699840	H	25.921564	-7.790812	3.025787
H	32.050938	0.197775	11.718518	H	34.528927	-13.895738	3.696118	H	27.030949	-7.231587	1.627981
H	34.806404	2.065607	12.193600	H	33.587139	-12.818104	4.763124	H	26.972717	-11.191330	-0.037964
H	34.013592	1.601886	10.649632	H	33.203869	-15.001580	2.323471	H	25.236700	-11.152902	0.413911
H	33.846874	4.404602	11.763865	H	31.948833	-14.075556	1.256397	H	25.539881	-11.407656	-1.998737
H	35.152500	3.883964	10.653583	H	33.726463	-13.606548	1.292979	H	24.747107	-9.812350	-1.688769
H	32.355000	5.661271	10.159581	H	25.463451	-4.352770	-10.091667	H	26.905962	-8.623770	-1.859604
H	33.987724	5.695538	9.440079	H	25.150146	-3.683128	-11.843367	H	27.813190	-10.122738	-1.960200
H	33.289536	4.700065	7.377898	H	27.071499	-4.947667	-12.015278	H	26.945471	-10.690141	-4.163205
H	31.591181	4.508783	7.893510	H	27.635942	-3.239884	-11.997882	H	25.769390	-9.391420	-4.135842
H	31.131786	6.048326	5.812768	H	29.537378	-5.318478	-11.238187	H	27.467566	-7.680123	-4.344106
H	31.764973	7.723601	6.027997	H	29.875978	-3.598551	-11.058316	H	28.797108	-8.865375	-3.989062
H	34.114380	7.047256	5.636683	H	30.253220	-3.791124	-8.667540	H	28.061953	-7.435919	-8.725295
H	33.742222	5.402729	5.689077	H	29.768066	-5.575299	-8.708105	H	27.822239	-9.174228	-8.546413
H	34.999058	6.947494	3.325740	H	32.226379	-4.573288	-7.803527	H	25.693970	-8.013100	-9.559522
H	34.888149	5.280822	3.878934	H	31.908184	-6.351002	-8.074430	H	25.405289	-8.831241	-7.959490
H	35.062370	5.300384	1.345536	H	33.906506	-6.480468	-9.701510	H	25.354078	-6.678330	-6.843768
H	33.451488	4.715293	1.786912	H	34.150612	-4.724783	-9.538565	H	26.029825	-5.854900	-8.282769
H	33.206703	6.878973	-1.543358	H	36.340294	-5.860817	-9.045991	H	23.741917	-5.286617	-8.328398
H	31.711527	7.517765	-0.806331	H	35.895264	-4.318021	-8.285363	H	23.949282	-6.670613	-9.494460

H	23.202089	-8.365266	-7.744452	H	4.991638	1.348935	-11.582627	H	19.741165	-5.180680	3.059856
H	23.050112	-6.993678	-6.576952	H	3.977009	1.767833	-12.998926	H	17.337088	-8.758835	5.034098
H	19.472040	-6.041008	-9.154850	H	3.794454	-0.692187	-13.546623	H	17.248501	-7.983912	6.604202
H	19.058472	-6.141716	-7.374613	H	4.633345	-1.073629	-12.096365	H	15.734894	-8.515588	5.824280
H	18.227957	-3.938041	-8.095986	H	2.988406	-0.268791	-10.651493	H	-0.648384	-1.273265	8.626759
H	19.712955	-3.708962	-7.048466	H	2.051036	0.540114	-11.903205	H	-0.496543	-2.231396	10.179493
H	21.034998	-3.749988	-9.470501	H	2.274630	-2.417893	-11.427200	H	0.882739	-1.273489	9.759696
H	19.446112	-3.786509	-10.203895	H	0.800040	-1.385248	-11.339590	H	0.776870	-1.882263	6.865210
H	18.897167	-1.594372	-9.037052	H	-0.039797	-3.019773	-15.223056	H	2.240633	-2.066008	7.932302
H	20.546480	-1.586997	-8.320205	H	1.472952	-4.052138	-15.233430	H	2.418329	-3.437913	5.943675
H	21.409264	-1.791297	-10.793628	H	0.177397	-5.686697	-13.609585	H	2.585549	-4.338974	7.505292
H	19.596855	-1.536863	-11.249756	H	-1.244184	-4.541857	-13.797065	H	1.918136	-5.513761	4.811489
H	20.042542	2.853986	-9.974675	H	-1.479383	-4.895852	-16.056950	H	1.951352	-6.240537	6.389281
H	19.838543	2.468549	-8.278111	H	-0.024816	-5.863280	-16.211580	H	-0.571934	-6.903875	6.116119
H	22.194763	1.805339	-8.046524	H	-1.983171	-7.343382	-16.138727	H	-0.506161	-6.087134	4.534677
H	22.519424	2.209761	-9.767408	H	-1.223974	-7.658936	-14.566263	H	0.093411	-7.609365	2.680020
H	22.018721	4.568294	-9.329424	H	-2.866403	-6.193948	-13.418403	H	1.800589	-7.111611	3.035486
H	21.386559	4.237874	-7.786799	H	-3.681959	-5.726357	-15.004619	H	0.903066	-10.017514	3.414984
H	23.612679	3.565487	-6.902825	H	-6.477671	-8.528729	-12.291974	H	1.800481	-9.379634	1.996458
H	24.348104	3.583586	-8.583945	H	-6.240731	-9.173704	-13.965485	H	2.559354	-10.955134	4.793234
H	23.762367	6.079213	-8.813807	H	-3.917359	-10.115446	-13.082061	H	3.067914	-11.249184	3.134439
H	23.340609	6.153754	-7.052576	H	-4.263884	-9.389678	-11.596446	H	5.046611	-11.603451	4.541557
H	27.728382	6.988041	-7.739906	H	-4.867174	-11.879023	-11.604755	H	5.362442	-10.067222	3.685964
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H	26.776129	6.157019	-5.301236	H	-6.895022	-11.126156	-13.799040	H	6.452643	-8.654753	5.227506
H	28.442081	6.850367	-5.600416	H	-5.512423	-12.119522	-14.081815	H	5.135210	-7.697484	7.038817
H	27.478617	7.632692	-3.493690	H	-7.987946	-12.735349	-12.216667	H	5.487306	-9.137578	8.189099
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H	25.254139	8.911489	-5.197048	H	-7.130026	-16.108608	-9.504553	H	6.510176	-7.296219	9.653586
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H	25.809002	9.150663	-2.095314	H	-4.853103	-15.582171	-8.657209	H	8.796786	-6.888058	9.193087
H	26.140936	10.441679	-3.280273	H	-4.646469	-14.147595	-9.703951	H	8.932738	-3.653616	8.746238
H	22.343451	12.025166	-2.053777	H	-6.651694	-13.045201	-8.820688	H	10.253401	-4.765947	8.464529
H	21.828054	10.390679	-1.589699	H	-6.879352	-14.420372	-7.689726	H	8.672886	-3.620265	6.189784
H	22.278572	10.669966	0.765023	H	-4.584440	-14.093488	-6.818131	H	10.045845	-2.642797	6.913372
H	23.162584	12.216628	0.462703	H	-4.459178	-12.540168	-7.811578	H	10.373091	-3.578958	4.183297
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H	21.149597	13.230754	-0.238198	H	-5.242812	-12.503638	-5.174504	H	11.846294	-5.679092	4.167810
H	19.861868	11.454051	-1.476640	H	-6.022673	-8.331260	-5.458635	H	12.506343	-4.317416	3.275146
H	19.722357	10.430447	-0.059104	H	-7.440549	-8.871431	-6.400293	H	17.103603	-3.971907	4.159292
H	18.237673	12.093394	1.095639	H	15.504776	6.130656	0.385263	H	16.705072	-2.479507	4.816736
H	18.421875	13.139489	-0.351338	H	14.922393	4.469310	0.853038	H	16.925129	-5.730294	6.742525
H	15.846050	8.522220	0.141964	H	13.834362	5.571837	0.007703	H	15.239118	-6.141830	6.569418
H	15.213904	9.883092	-0.862985	H	15.570893	5.174018	3.183438	H	14.398421	-6.933033	4.418262
H	16.656740	9.415666	-2.723050	H	16.227983	6.584009	2.410374	H	15.113714	-5.741665	3.384220
H	17.719650	8.297865	-1.746726	H	14.522812	8.067576	3.796384	H	7.945142	-2.039192	0.613375
H	15.974340	6.571069	-1.814045	H	14.165796	6.531746	4.694543	H	7.324255	-0.397745	1.225967
H	14.812500	7.715219	-2.546924	H	15.624522	9.195383	5.461399	H	4.979891	-1.294233	0.640557
H	16.212864	8.009841	-4.594279	H	15.208353	7.900668	6.622867	H	5.591695	-2.814854	0.011863
H	17.461964	6.970162	-3.891001	H	18.079557	8.683874	5.860760	H	3.647690	-2.476915	2.192596
H	16.064051	5.002770	-3.789560	H	17.129202	9.287440	7.275054	H	4.464120	-4.039937	1.799756
H	14.583404	5.797017	-4.283502	H	17.583546	5.780729	6.066259	H	4.438362	-2.666802	4.535889
H	15.461109	3.862931	-8.017375	H	19.154451	6.638446	6.262429	H	3.773644	-4.250563	4.174016
H	17.110413	4.491704	-7.959314	H	19.201233	5.872772	8.647609	H	5.304663	-6.192524	4.053888
H	17.608318	2.079252	-8.317059	H	17.689356	5.009597	8.531577	H	6.062368	-5.404548	2.543913
H	17.733618	2.331589	-6.540777	H	20.484381	3.603685	8.805647	H	8.165985	-5.069454	3.674498
H	15.224815	1.499164	-6.436861	H	18.780155	2.993527	8.913819	H	7.564493	-5.727999	5.167838
H	15.149462	1.471019	-8.155627	H	20.023680	1.035688	8.059999	H	9.755078	-6.922536	3.691703
H	17.063425	-0.233491	-8.233896	H	19.183096	1.791897	6.646744	H	9.074541	-7.794991	5.121480
H	17.114826	-0.219861	-6.477723	H	22.580357	1.115463	5.460377	H	8.590997	-9.756345	4.113082
H	15.764003	-2.151057	-6.836564	H	21.649771	0.037521	6.434691	H	8.846481	-9.208715	2.456789
H	14.595228	-0.870361	-6.546789	H	19.476969	0.692459	5.015385	H	1.220909	-6.047661	-1.827029
H	13.494656	-3.230306	-10.322193	H	20.666689	1.684732	3.951859	H	0.803007	-6.059387	-0.055126
H	12.289325	-3.819159	-9.154545	H	20.256605	-1.921932	2.844964	H	3.369578	-5.600360	-1.140694
H	11.564248	-1.309684	-8.757239	H	19.027613	-1.216767	3.839018	H	3.077014	-5.880445	0.660365
H	12.424906	-0.869155	-10.178347	H	18.787279	0.743310	2.301379	H	4.714283	-7.567852	0.821394
H	10.856029	-2.601080	-11.547558	H	20.527424	0.583508	1.691676	H	4.929267	-7.587783	-0.988335
H	9.904497	-2.726720	-10.066055	H	17.385998	-1.191717	1.896863	H	7.061050	-7.354946	0.557840
H	9.217619	-0.457031	-10.046734	H	17.291801	-0.644984	0.121631	H	7.175233	-6.909558	-1.190069
H	10.535056	0.073668	-11.186470	H	16.879988	-3.022271	0.216871	H	8.104685	-4.600306	-0.528926
H	9.438993	-1.331769	-12.996443	H	18.566097	-2.861192	-0.464881	H	7.956094	-5.003056	1.186855
H	8.212297	-1.899999	-11.813600	H	18.159685	-5.243693	0.377893	H	10.253385	-4.215623	-0.214458
H	6.588495	1.843086	-13.433669	H	19.869993	-4.845802	0.617765	H	10.742983	-5.177699	1.248001
H	5.722201	0.666701	-14.548044	H	19.429068	-6.674415	2.010606	H	11.748531	-6.816037	-0.159685

H	11.421021	-5.782216	-1.595813	H	4.695995	-5.205680	11.573224	H	18.428070	-6.125018	9.375797
H	13.972805	-6.532195	-0.948044	H	5.635441	-2.446284	10.932512	H	18.922541	-6.901782	11.736323
H	14.070828	-4.904918	-1.865571	H	6.153568	-3.885160	10.010721	H	20.345549	-5.819123	11.723343
H	16.110355	-5.202497	-0.512263	H	5.328550	-3.001069	7.957653	H	17.610859	-5.550272	13.329717
H	15.074954	-3.892745	0.237270	H	4.518190	-1.618249	8.885421	H	19.254492	-5.080458	13.804071
H	13.206666	-7.186749	2.539316	H	5.986275	-0.936139	6.905996	H	17.824150	-3.383145	14.656577
H	13.654505	-8.310702	1.236691	H	5.917173	0.308587	8.289760	H	18.794123	-2.671346	13.422975
H	14.038753	-8.940122	4.909856	H	8.607670	-1.069307	7.265532	H	16.159595	-1.904088	14.494234
H	12.580531	-7.876030	4.839287	H	8.008852	0.489688	6.509065	H	16.928200	-1.045665	13.161673
H	12.429751	-9.603125	5.267626	H	12.095556	2.420529	7.848404	H	14.250358	-2.562244	13.170395
H	8.283243	2.609819	12.559057	H	12.313516	3.191644	9.385852	H	14.339676	-0.742372	13.315023
H	7.274218	3.963623	13.186365	H	11.926394	-0.295436	9.261363	H	13.169166	-3.690604	9.179273
H	7.724780	2.567942	14.246276	H	12.939566	-0.222243	7.769283	H	11.811615	-2.506367	9.281305
H	5.420883	3.463589	11.700427	H	15.338833	12.706113	10.507800	H	12.666063	-2.622678	7.709687
H	6.450149	2.184922	10.796053	H	13.620213	12.799294	10.794515	H	15.621514	-0.596770	9.138180
H	4.774289	0.447268	11.469638	H	14.723119	12.005395	11.991507	H	15.635523	-2.286614	9.487219
H	3.790952	1.723816	12.176420	H	16.403837	10.587796	10.058109	H	13.748424	-1.561949	6.179141
H	3.265093	-0.153786	9.684456	H	15.695028	9.975852	11.560602	H	14.750449	-0.090153	6.410356
H	2.147849	0.899003	10.761151	H	14.985744	9.008262	8.782751	H	15.214254	-1.282766	5.307717
H	1.217295	0.688185	8.467423	H	16.226540	8.057988	9.692327	H	17.835096	-3.546079	5.740021
H	1.944257	2.378070	8.557116	H	13.697279	6.893501	9.025585	H	9.325783	1.647075	10.968502
H	1.478238	0.758951	6.147561	H	14.963087	6.082555	10.005291	H	10.423149	0.291064	10.654533
H	2.578756	2.213265	6.005493	H	12.075753	6.642581	10.915913	H	11.071680	1.777430	11.303905
H	3.397425	-0.700830	5.420496	H	12.637666	5.111210	10.435917	H	-0.782308	7.520945	-2.562846
H	2.670164	0.396306	4.188292	H	11.592492	5.775303	13.204447	H	-1.104789	7.877061	-0.787630
H	5.743656	-0.794921	4.762277	H	12.109522	4.184442	12.537558	H	-2.210408	8.501404	-2.116263
H	5.141869	-0.236597	3.185984	H	13.539972	5.850933	14.689389	H	-1.769388	10.633041	-0.953613
H	6.729188	1.693485	3.138101	H	12.356934	4.638573	15.083417	H	-0.610945	9.878200	0.058181
H	7.049375	1.444141	4.989381	H	14.803427	4.442426	16.298071	H	-0.042616	12.077278	-1.974270
H	8.927758	1.335071	2.448475	H	13.623775	3.102629	16.247337	H	-0.202046	12.379646	-0.250513
H	9.260963	1.524722	4.151423	H	15.531412	2.039530	16.887650	H	1.250026	10.641898	1.149434
H	10.242874	-0.733117	4.439485	H	15.305910	1.681972	15.138383	H	2.982154	10.856610	0.635480
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H	12.488181	-1.229886	3.621083	H	17.682158	1.126942	15.241524	H	1.161051	13.304566	1.028515
H	11.869744	-1.434843	1.959727	H	19.453920	3.574585	15.772461	H	4.050650	13.955890	2.435496
H	14.079659	-0.899598	1.579484	H	20.047234	1.912230	15.778263	H	2.373276	14.706508	2.611545
H	13.352603	0.738860	1.330163	H	20.302074	4.306426	13.478520	H	3.648321	12.961616	4.835539
H	15.990296	0.560624	1.989667	H	21.397310	3.009151	14.038486	H	3.807498	14.707541	4.749919
H	15.161446	2.136424	2.259930	H	19.836094	3.003320	11.293467	H	2.100986	12.639586	6.471038
H	16.654072	0.620571	4.418594	H	21.505939	3.542150	11.579193	H	2.412371	14.292205	6.961426
H	17.253599	2.129142	3.608357	H	20.528522	0.199158	13.210379	H	0.056183	14.977106	6.520749
H	16.566151	1.651886	6.575013	H	19.288389	0.753575	12.096660	H	-0.415233	13.328274	6.045651
H	17.092197	3.218130	5.889763	H	21.693750	-0.849396	10.985927	H	0.259698	11.502859	7.666863
H	15.801889	3.848897	7.835472	H	20.246611	-1.668242	11.889794	H	1.512930	12.362017	8.638410
H	14.795659	4.198852	6.531460	H	21.033768	-2.207829	9.308176	H	-0.185431	12.645422	10.486853
H	14.444147	0.993973	11.081555	H	19.516626	-2.670281	10.057209	H	-1.361156	11.646438	9.569827
H	13.292248	2.371467	11.156761	H	19.619709	-1.179226	7.349904	H	-0.820843	10.525968	11.922765
H	12.719481	0.702496	11.433266	H	19.556236	-2.862722	7.580440	H	-1.375863	9.565524	10.604826
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H	-4.943059	-1.924906	5.813732	H	14.393915	-3.772757	7.506190	H	-0.122901	8.148081	12.472228
H	-6.290142	-2.897923	6.493065	H	13.903488	-5.414166	15.256266	H	2.153445	6.734385	11.313765
H	-4.989516	-4.716336	6.797341	H	12.242622	-6.268618	15.247776	H	0.541531	5.902334	11.760483
H	-3.505410	-3.805748	6.223044	H	13.813914	-7.170380	15.091562	H	1.479321	4.535240	9.967009
H	-2.252374	-4.289026	8.093549	H	15.007669	-4.875139	13.243971	H	0.115005	5.562658	9.251386
H	-3.620876	-4.631888	9.134613	H	15.146453	-6.616428	12.962431	H	3.051838	4.269536	8.371545
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H	-3.193676	-10.628865	7.668822	H	13.298981	-8.879374	9.396720	H	7.544176	8.334603	5.420938
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H	-1.577559	-10.726443	9.509177	H	14.319346	-10.913423	9.401691	H	6.400598	-3.498347	-3.643049
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H	0.688045	-10.989848	10.068248	H	16.276459	-11.275073	10.693351	H	5.786291	-5.085642	-3.002143
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H	1.565295	-7.475304	8.564730	H	19.878988	-9.532068	10.014837	H	2.683414	-1.909826	-4.608928
H	0.074445	-8.103576	9.483995	H	20.964531	-10.877867	9.581894	H	0.744994	-1.044324	-2.096253
H	0.391898	-5.791848	10.242121	H	21.865501	-8.916490	8.156255	H	0.198417	-1.856322	-3.633437
H	0.688815	-6.945498	11.526736	H	20.969755	-8.834047	6.508385	H	-1.379541	-2.494708	-1.953348
H	1.804456	-4.059464	11.140205	H	20.888872	-6.675481	7.526754	H	-0.317265	-3.928618	-2.291740
H	2.225823	-5.163946	12.546401	H	19.248249	-7.396047	7.611840	H	-1.879993	-3.594862	0.041540
H	4.143979	-3.657510	12.296500	H	19.923159	-5.135243	9.406406	H	-0.679147	-4.840064	-0.271329

H	0.700477	-4.019871	1.832440	H	4.067237	6.219395	0.016095	H	17.224808	-8.554661	2.733481
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H	-1.201800	-4.091073	4.123515	H	2.839722	8.441225	-1.694040	H	13.410598	-11.572485	-0.606547
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H	-1.735066	-2.244767	5.606120	H	6.129647	6.061676	-3.999791	H	14.730295	-12.876597	1.650119
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H	-1.525873	1.896456	3.688369	H	8.930328	9.677517	-4.381737	H	9.087678	-12.535028	0.771898
H	0.539394	3.645770	5.279033	H	9.997476	8.505233	-5.248010	H	9.423195	-11.958852	-1.759979
H	-0.782195	3.977831	4.150609	H	11.504334	9.417391	-2.926303	H	7.909033	-11.116724	-1.066501
H	-2.065954	5.139874	5.938658	H	10.000757	10.153419	-2.504338	H	9.417274	-9.019079	-0.515686
H	-0.857027	4.697828	7.138419	H	9.783708	8.667399	-0.462545	H	10.772583	-9.828593	-1.444158
H	-1.553544	7.307296	6.863307	H	11.236713	7.722236	-0.990852	H	9.323394	-9.923780	-3.484357
H	0.009003	7.045039	7.506782	H	12.194454	8.177060	0.950854	H	7.987810	-8.987427	-2.549888
H	-0.620303	8.597120	4.834953	H	13.240120	9.610110	0.925611	H	9.381808	-7.197311	-2.210699
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H	7.155747	11.780947	6.371930	H	12.319294	10.595857	8.220803	H	11.887753	-1.696988	-5.668619
H	6.450862	8.984504	8.763970	H	11.081790	9.592176	10.028380	H	11.045990	-1.702831	-4.042285
H	4.861107	8.601616	8.006498	H	9.849608	10.310989	9.055172	H	13.139428	-2.327971	-2.810674
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H	-4.992276	0.854391	7.378444	H	7.690485	6.419754	11.226614	H	15.521468	1.400434	-3.937595
H	-3.801972	1.977166	6.552921	H	9.680379	6.287668	7.502360	H	15.476318	1.022360	-0.810733
H	-5.612953	2.494483	6.764078	H	10.337987	5.982046	9.089082	H	16.713673	0.430081	-1.810918
H	-6.208058	2.677514	4.416544	H	7.959288	4.429297	6.444552	H	17.129692	2.921958	-2.552560
H	-4.336102	2.635985	4.283397	H	8.531788	2.839034	6.823341	H	15.959264	3.365534	-1.276360
H	-6.337123	0.686047	2.967331	H	7.389803	3.609349	7.966275	H	17.233364	2.235352	0.471488
H	-5.774948	2.153760	2.155554	H	0.477799	-8.540922	-1.795771	H	18.551035	1.889630	-0.755807
H	-5.076079	-0.605403	1.118276	H	-0.775021	-7.344076	-1.629003	H	17.570269	4.612950	0.358853
H	-4.638709	1.009562	0.519959	H	-2.176548	-8.907284	-0.706595	H	19.174206	3.853179	0.591279
H	-2.602883	-1.080141	1.643471	H	-1.005087	-10.130135	-0.633166	H	19.833397	4.546621	-3.964657
H	-2.978924	-0.893239	-0.086712	H	-2.337561	-10.781080	1.314144	H	20.776350	5.623248	-2.915633
H	-0.388277	-0.346064	1.425307	H	-0.840531	-9.987069	1.964485	H	22.223152	4.399094	-4.328208
H	-0.633369	-0.119903	-0.336533	H	-3.784641	-9.886881	3.265965	H	22.576115	3.912783	-2.752609
H	-0.192363	2.364280	0.032993	H	-2.040434	-9.756890	3.806427	H	22.550568	1.933556	-4.129070
H	0.210473	1.951465	1.693630	H	-3.640596	-8.305698	5.244167	H	21.197945	1.886486	-2.979810
H	2.089686	3.132364	-0.336278	H	-2.431541	-7.298146	4.393813	H	19.493258	2.699152	-4.868514
H	2.417565	2.683166	1.304757	H	-5.490857	-6.887160	5.101014	H	20.986877	2.646383	-5.960169
H	4.264523	1.261872	0.442911	H	-4.218429	-5.671084	4.746708	H	19.636290	0.574514	-6.230693
H	3.490913	1.250827	-1.237353	H	-6.549851	-6.383725	2.878413	H	21.207689	0.095176	-5.439446
H	6.287825	2.141783	-0.415833	H	-6.577023	-5.015800	4.021457	H	18.970427	-2.133561	-2.732323
H	5.682813	2.110798	-2.150522	H	-6.075763	-2.964058	2.898800	H	17.465857	-1.678748	-3.574066
H	7.452845	3.852002	-2.062589	H	-4.751644	-3.469965	4.065015	H	18.068613	-3.559272	-5.272751
H	5.857006	4.695538	-2.075272	H	-4.354396	-3.030095	2.299867	H	19.416334	-4.061069	-4.184517
H	8.338977	5.707079	-1.298172	H	8.683087	-2.041951	-1.419124	H	17.847584	-4.742751	-2.508779
H	6.831080	6.707811	-1.036542	H	8.287220	-0.797892	-2.567986	H	16.378868	-4.000912	-3.407115
H	8.360508	7.472629	0.642198	H	9.508344	-0.248227	0.233162	H	16.718826	-5.787884	-5.256141
H	7.322394	6.251196	1.524073	H	10.451270	-0.491756	-1.265191	H	18.079033	-6.390992	-4.236760
H	9.882520	6.965837	2.302720	H	10.000104	2.294832	0.286423	H	16.656158	-6.882532	-2.317978
H	8.789527	5.672096	3.012587	H	11.270053	1.517918	-0.715175	H	15.239668	-6.216834	-3.292146
H	10.546851	3.863096	2.417205	H	9.450469	3.902053	-1.610252	H	16.157314	-10.721517	-4.007689
H	11.686042	5.206928	1.888590	H	11.162702	4.053445	-0.986799	H	15.731955	-10.996852	-2.372095
H	12.943398	4.068693	3.639374	H	9.802452	4.441513	-3.898730	H	13.272589	-10.308869	-2.854935
H	12.702384	4.938148	5.146410	H	11.281651	5.210579	-3.121210	H	13.682476	-10.077973	-4.605828
H	11.037357	2.614624	4.197949	H	12.730839	3.869424	-4.715284	H	14.077961	-12.546248	-4.787171
H	12.248566	2.421215	5.475191	H	11.246001	3.387932	-5.621413	H	14.252016	-12.773135	-3.067474
H	10.429334	3.976609	9.909482	H	13.528391	4.907159	-6.438492	H	11.772019	-12.127583	-2.698984
H	8.851959	3.105477	9.744018	H	12.101132	4.712124	-7.618442	H	11.554630	-12.157373	-4.525441
H	-1.964778	4.255183	0.467118	H	13.356395	6.741980	-8.236977	H	12.577500	-14.558988	-4.441509
H	-1.731734	4.565593	2.286850	H	11.730217	7.157325	-7.658542	H	12.457266	-14.428699	-2.618302
H	-2.062585	5.854832	1.138319	H	14.230727	9.340206	-5.929132	H	8.132970	-13.827524	-2.440732
H	-0.086422	7.061523	1.686068	H	14.731372	8.613628	-7.392770	H	8.297627	-15.525357	-2.990094
H	0.403593	5.635112	2.851367	H	13.029413	9.314789	-7.363587	H	8.586525	-16.254860	-0.654521
H	2.458062	6.786901	2.089404	H	14.445864	-10.695099	3.013188	H	8.817050	-14.666809	-0.032494
H	2.400800	5.167762	1.311650	H	12.924158	-11.218615	3.681945	H	6.487452	-15.328178	0.443296
H	3.832252	7.943078	0.381939	H	16.138695	-9.501371	1.703384	H	6.606546	-13.895954	-0.664099

H	6.199657	-15.278763	-2.582154	H	2.140607	-6.966042	-13.678737	H	-23.110954	-14.919283	-13.090541
H	5.987850	-16.787249	-1.479625	H	3.515532	-7.970487	-14.101538	H	-22.276989	-15.013357	-15.605999
H	4.059043	-15.790652	-0.403299	H	1.488416	-9.377920	-14.369849	H	-21.132166	-16.287634	-15.126419
H	4.210772	-14.280630	-1.324745	H	2.384635	-9.912191	-12.853980	H	-23.096029	-16.755798	-17.054308
H	1.211847	-16.161068	-3.976701	H	0.979143	-8.477092	-11.501284	H	-22.087667	-17.969185	-16.327892
H	1.440724	-17.647299	-2.905969	H	0.069206	-7.948705	-13.016970	H	-24.040051	-19.178364	-17.218376
H	-0.520009	-15.340914	-2.336832	H	-1.301143	-9.729775	-11.666754	H	-24.261978	-19.315948	-15.482660
H	-0.941184	-17.021999	-2.877734	H	-0.980822	-9.977704	-13.400186	H	-26.579941	-19.041304	-17.648603
H	0.233574	-17.929888	-0.787121	H	-0.776611	-12.037176	-12.081109	H	-26.399038	-19.618711	-15.901747
H	0.211046	-16.201868	-0.193515	H	0.854730	-11.602540	-12.719336	H	-28.655336	-18.745975	-16.313147
H	-2.132885	-15.870684	-0.549061	H	0.485532	-12.179094	-8.027278	H	-27.723190	-17.661268	-15.173255
H	-2.323025	-17.639240	-1.053399	H	0.813302	-10.335826	-8.070884	H	-29.808687	-15.871150	-17.740967
H	-3.065245	-17.650928	1.228228	H	-1.767814	-10.159153	-7.602960	H	-30.061928	-16.816856	-16.328529
H	-1.300473	-18.159550	1.256606	H	-1.780787	-11.931312	-7.567865	H	-29.913683	-14.558282	-15.567604
H	-1.672322	-13.271680	2.482900	H	-0.449425	-12.166653	-5.597042	H	-28.240484	-15.145091	-15.181885
H	-0.702887	-14.385385	3.483237	H	0.054516	-10.378182	-5.578941	H	-27.978855	-12.012605	-16.830776
H	0.860736	-12.557297	2.630133	H	-2.258353	-9.627895	-5.034151	H	-28.348337	-12.823103	-15.327180
H	1.333262	-14.235085	2.061687	H	-2.948123	-11.296341	-5.326763	H	-26.171301	-14.213023	-15.510257
H	-0.030408	-13.778913	-0.118215	H	-1.575342	-12.143183	-3.283187	H	-25.804464	-13.345681	-17.063955
H	-0.155051	-12.133680	0.489524	H	-1.067917	-10.369446	-3.037313	H	-24.059145	-13.222739	-14.518218
H	2.321064	-11.812409	0.569759	H	-4.281197	-12.204434	0.089934	H	-23.818695	-12.251927	-16.038267
H	2.579680	-13.586327	0.228880	H	-4.723085	-10.641133	-0.525923	H	-22.771639	-11.068718	-14.252621
H	1.649857	-13.297865	-2.108546	H	-5.896677	-11.948999	-2.518189	H	-24.312153	-10.170246	-14.704848
H	1.063865	-11.617744	-1.785570	H	-5.427745	-13.410144	-1.612762	H	-22.911072	-9.737735	-12.315498
H	5.289300	-11.556745	-3.295650	H	-6.778857	-12.645693	0.410822	H	-24.655394	-9.208735	-12.443241
H	4.545945	-11.374428	-4.913472	H	-7.242010	-11.186846	-0.507235	H	-23.813820	-9.343118	-10.071559
H	4.477177	-9.273795	-2.527132	H	-7.967013	-14.084781	-1.058763	H	-25.138435	-10.601097	-10.321307
H	5.550361	-9.237696	-3.996010	H	-9.046745	-12.745850	-0.575176	H	-23.870258	-11.067025	-8.276899
H	3.581806	-8.929374	-5.565577	H	-7.979425	-12.945128	-3.378366	H	-22.815266	-12.414130	-8.543100
H	2.403493	-9.341781	-4.194984	H	-9.650736	-13.155766	-2.798393	H	-21.706894	-9.629103	-8.757523
H	3.213671	-7.046446	-3.267106	H	-9.586544	-9.268923	-5.360825	H	-21.866379	-10.476802	-7.122902
H	4.296617	-6.855097	-4.642723	H	-9.828113	-8.885319	-3.623580	H	-16.766275	-10.011719	-8.369481
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H	2.150500	-5.587957	-4.764938	H	-15.486982	-16.251320	5.747194	H	-18.807808	-12.538149	-10.233064
H	1.732958	-7.848989	-8.908676	H	-16.590448	-17.623322	5.283653	H	-18.189644	-10.952496	-10.348362
H	-0.034934	-7.801509	-8.767073	H	-14.961797	-14.517291	4.210613	H	-16.189699	-13.634911	-12.312865
H	1.574656	-5.113724	-8.912138	H	-14.476672	-15.607351	2.889534	H	-17.937243	-13.348021	-12.064036
H	1.149580	-6.068299	-10.346656	H	-15.537561	-13.598774	1.945415	H	-14.842279	-18.348417	-7.970252
H	-1.311142	-6.061986	-9.567122	H	-16.972933	-14.717900	1.909729	H	-14.087720	-17.959656	-9.546980
H	-0.748976	-4.811741	-8.295056	H	-17.313534	-12.124876	1.686838	H	-12.228910	-19.809902	-8.999885
H	0.090579	-3.338116	-10.033567	H	-18.716965	-12.797402	2.590094	H	-13.185674	-20.299103	-7.685050
H	-0.436562	-4.471025	-11.335751	H	-18.539791	-10.445515	3.141895	H	-15.239313	-21.606733	-8.354261
H	-2.278757	-3.029797	-11.272639	H	-17.869997	-11.341520	4.631824	H	-15.921958	-20.150316	-8.898515
H	-2.780195	-4.244877	-10.070973	H	-17.091736	-8.696913	4.489804	H	-15.327613	-22.383801	-10.811196
H	-2.914855	-0.792204	-7.208099	H	-15.962494	-9.757060	5.361188	H	-16.982866	-22.073677	-10.059578
H	-1.857153	-1.734390	-6.092279	H	-14.628432	-7.887286	4.467622	H	-16.899239	-22.062994	-12.692081
H	-0.929289	0.082297	-8.431182	H	-14.303065	-9.279813	3.360894	H	-18.212107	-21.284700	-11.752926
H	-0.655616	0.413425	-6.659307	H	-15.241826	-9.100254	1.089539	H	-16.537271	-19.914803	-13.957934
H	0.813334	-1.605539	-6.433689	H	-16.899429	-8.989559	1.753889	H	-18.209995	-20.358368	-14.123163
H	0.774839	-1.923652	-8.172383	H	-16.719625	-6.526657	0.477815	H	-17.482559	-17.929777	-14.536262
H	2.819583	-0.725718	-7.852081	H	-15.144928	-7.135205	-0.090080	H	-19.155346	-17.924692	-14.044312
H	1.770678	0.501311	-8.552538	H	-17.321980	-6.356807	-1.568092	H	-18.782318	-16.395020	-12.190550
H	1.320486	1.530876	-6.390783	H	-15.888340	-7.073049	-2.256277	H	-16.966019	-16.559607	-12.406150
H	2.136853	0.221439	-5.472433	H	-17.384949	-8.940999	-3.160307	H	-27.152624	-9.469105	-15.864432
H	5.239248	3.328278	-6.263290	H	-18.814190	-7.972129	-2.465079	H	-28.058062	-7.983561	-15.291020
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H	5.980498	1.150816	-4.183907	H	-19.747450	-8.009680	-4.716829	H	-26.337830	-6.458170	-15.829388
H	5.928467	0.905772	-5.978873	H	-19.791945	-7.111045	-6.963959	H	-23.591837	-7.518016	-15.603436
H	7.718083	2.725472	-6.177527	H	-19.028952	-5.743415	-6.061015	H	-23.994225	-5.974331	-16.487368
H	7.637260	2.878266	-4.343801	H	-18.636490	-6.665806	-8.984110	H	-22.262333	-6.230004	-14.457141
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H	8.406034	0.398451	-4.324216	H	-16.656076	-5.899852	-10.253421	H	-23.824627	-5.258816	-12.036660
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H	-31.373398	-19.935200	-9.760244	H	-21.209534	-14.676201	-4.895216	H	-21.092150	-16.341358	-7.657637
H	-33.689430	-17.623573	-11.152632	H	-20.964031	-4.789944	10.127277	H	-20.918816	-14.559170	-7.402346
H	-33.564861	-19.013952	-10.052245	H	-20.913696	-3.700436	8.662704	H	-18.394081	-14.828668	-4.585459
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H	-33.599651	-13.275444	-9.332647	H	-17.016232	-4.158129	7.595539	H	-15.982374	-11.516162	-7.798712
H	-33.437267	-12.968608	-7.554167	H	-15.300619	-6.240742	6.022499	H	-24.935322	-17.741903	-4.610100
H	-31.877039	-11.761151	-9.779406	H	-15.000242	-5.412220	7.633605	H	-23.125820	-17.749165	-5.109780
H	-31.602669	-11.401921	-8.003748	H	-15.599132	-8.461329	7.204722	H	-23.678688	-18.444780	-3.517724
H	-29.304871	-12.708389	-9.719370	H	-13.909007	-7.737660	7.339873	H	-37.065178	-14.582767	-7.131623
H	-29.775450	-10.949706	-9.568884	H	-15.012577	-8.919635	10.687411	H	-36.750973	-15.390472	-8.663005
H	-27.383482	-12.896089	-7.978612	H	-15.245834	-9.741787	9.057608	H	-38.430733	-15.407679	-8.071903
H	-27.496044	-11.384523	-8.951878	H	-12.655995	-8.150168	9.874743	H	-38.450169	-17.786806	-8.061150
H	-26.043600	-10.853864	-7.190644	H	-12.826712	-9.889341	10.341031	H	-36.837936	-17.478973	-8.833729
H	-27.525253	-10.027311	-6.865624	H	-10.945333	-8.717660	8.439583	H	-37.508793	-19.074495	-6.239914
H	-25.230373	-11.269818	-5.028747	H	-11.056701	-10.492124	8.911251	H	-37.243500	-19.814396	-7.829814
H	-26.452982	-10.011661	-4.744597	H	-11.443423	-9.309230	6.129736	H	-35.592670	-20.715265	-5.755534
H	-27.656990	-11.576340	-3.157322	H	-10.006921	-10.052264	6.673067	H	-35.531738	-21.099447	-7.469495
H	-26.304058	-12.807665	-3.391597	H	-13.428500	-11.644961	7.064817	H	-33.232777	-21.425947	-6.747472
H	-26.937222	-11.509040	-0.850382	H	-13.418998	-10.562457	5.573471	H	-33.207172	-19.890015	-7.536313
H	-25.657923	-12.750596	-1.141832	H	-12.679535	-13.474162	5.252651	H	-31.211353	-20.288715	-5.834899
H	-25.119352	-9.825246	-0.128279	H	-14.357978	-12.798078	5.211481	H	-31.719942	-18.592148	-5.919024
H	-24.948092	-11.305406	0.788305	H	-11.097849	-12.214857	3.553975	H	-30.509501	-18.761072	-3.929916
H	-22.623144	-9.526618	0.166869	H	-11.895976	-13.677878	3.032620	H	-32.336445	-18.630756	-3.459998
H	-22.496061	-11.073406	1.060593	H	-11.941906	-11.022007	1.472514	H	-30.023237	-19.762926	-1.988781
H	-21.231077	-10.326694	-1.693358	H	-11.044848	-12.479028	1.085636	H	-31.824490	-19.816635	-1.334908
H	-20.317564	-10.319224	-0.195486	H	-13.510628	-10.978816	-0.254039	H	-30.527248	-21.637909	-0.232536
H	-19.506741	-11.768454	-2.506387	H	-12.284378	-12.146624	-0.950806	H	-31.642326	-22.330503	-1.462791
H	-18.681904	-11.822080	-0.954536	H	-14.026543	-13.916866	-1.143380	H	-28.474037	-21.076118	-0.828837
H	-18.194490	-13.897607	-1.994860	H	-15.268065	-12.756837	-0.520305	H	-28.220360	-22.833469	-0.546664
H	-19.234863	-14.278177	-0.671610	H	-15.478469	-14.098045	-3.062794	H	-26.323481	-21.812651	-1.933385
H	-21.369211	-18.401928	-4.480687	H	-16.492792	-12.630036	-2.623877	H	-27.183941	-22.899492	-2.971411
H	-19.629564	-18.228863	-3.735985	H	-15.528922	-11.299911	-4.530715	H	-25.961624	-20.124908	-3.934687
H	-21.083988	-18.406895	-2.747018	H	-14.463801	-12.714725	-4.970540	H	-26.563759	-21.549238	-4.817514
H	-26.412189	-3.628886	-9.806990	H	-17.405457	-13.549129	-7.694706	H	-28.538794	-20.327103	-5.723974
H	-27.558218	-3.050922	-11.063537	H	-19.142050	-13.608630	-8.056764	H	-27.940075	-18.805782	-4.978440
H	-27.022968	-1.925421	-9.838660	H	-21.959435	-17.355373	11.165700	H	-26.676136	-18.973671	-8.354438
H	-27.415873	-4.224070	-7.670239	H	-22.814814	-15.785487	10.952891	H	-28.282618	-19.386644	-7.888529
H	-27.928644	-2.478714	-7.476844	H	-23.789904	-17.276892	11.209896	H	-26.697001	-16.924669	-6.892485
H	-29.188551	-3.923007	-6.032739	H	-23.054405	-19.225029	9.544430	H	-27.890097	-16.981829	-8.197659
H	-30.389065	-3.185560	-7.268975	H	-24.537416	-18.278902	9.305611	H	-28.257578	-15.084051	-6.149041
H	-31.272799	-5.267509	-5.846136	H	-23.939932	-17.785856	6.927659	H	-29.374701	-15.516881	-7.539760
H	-31.965040	-4.824069	-7.458288	H	-22.305309	-18.624411	7.212081	H	-30.566763	-14.486178	-5.698794
H	-30.721649	-7.616631	-7.087567	H	-24.602322	-19.601250	5.214000	H	-31.071522	-16.273952	-5.899395
H	-32.470684	-7.259319	-6.687274	H	-22.980486	-20.021610	5.428687	H	-28.886421	-14.184570	-0.051696
H	-31.537683	-9.072575	-8.925453	H	-23.803797	-22.336163	6.311067	H	-27.823792	-13.744599	-1.379644
H	-33.313580	-8.743723	-8.660489	H	-25.487474	-21.798393	6.014162	H	-29.509649	-13.165217	-1.478083
H	-33.533363	-7.561886	-10.840633	H	-23.712351	-24.014473	4.547988	H	-24.852154	-10.096622	3.793924
H	-31.766714	-7.938698	-11.251575	H	-25.546955	-23.693399	4.305273	H	-23.668875	-9.140010	2.851745
H	-33.879353	-8.947477	-12.974141	H	-24.759792	-24.648109	2.250809	H	-24.521090	-8.428941	4.344426
H	-32.110092	-9.315706	-13.039345	H	-25.094233	-22.950825	2.002040	H	-26.925753	-8.892206	4.317833
H	-34.363457	-11.361881	-12.334911	H	-23.016146	-24.523888	0.406309	H	-26.616739	-7.192921	3.912846
H	-33.614647	-11.131240	-14.068501	H	-23.406773	-22.807898	0.150072	H	-28.033655	-7.554451	1.696898
H	-33.563618	-13.497647	-12.777688	H	-20.784393	-24.066185	0.974026	H	-28.280001	-9.280088	2.220780
H	-32.364471	-13.286644	-14.041755	H	-21.121443	-23.385250	-0.618066	H	-30.374220	-9.346610	2.473812
H	-31.826838	-14.017397	-11.042700	H	-18.890764	-22.454994	1.303937	H	-31.092037	-8.492221	3.852101
H	-31.698624	-15.124261	-12.418964	H	-19.100313	-22.123718	-0.453981	H	-32.215134	-7.376269	2.032612
H	-29.534414	-14.868507	-11.005785	H	-19.635546	-19.698635	-0.024279	H	-30.974350	-6.254740	2.617732
H	-29.191393	-15.402619	-12.718294	H	-19.551888	-20.019098	1.834772	H	-32.287788	-6.941270	-0.143555
H	-27.549068	-13.472590	-12.930219	H	-18.002344	-18.046196	0.174965	H	-31.381758	-5.379866	0.270859
H	-28.049576	-12.771931	-11.425167	H	-17.933455	-18.357441	1.888786	H	-29.654261	-5.931213	-1.444432
H	-25.358902	-13.694813	-12.337135	H	-15.785094	-17.324804	1.254858	H	-31.258181	-5.953666	-2.195652
H	-25.777424	-12.800629	-10.899709	H	-15.411860	-18.990910	1.488914	H	-30.692062	-7.166682	-3.908738
H	-25.071770	-15.791313	-10.581425	H	-16.162464	-16.508987	-0.957580	H	-29.017797	-7.446471	-3.158771
H	-23.735781	-14.519857	-10.472092	H	-14.407458	-16.693495	-0.557345	H	-29.459530	-9.095497	-4.826098
H	-25.245102	-16.124989	-8.094748	H	-14.741648	-16.380135	-3.074035	H	-29.591377	-9.864596	-3.097443
H	-23.684242	-15.275025	-7.962729	H	-14.168348	-17.988857	-2.659650	H	-30.958479	-10.803184	-5.692386
H	-24.770809	-13.447005	-6.503593	H	-15.370629	-17.384592	-5.133853	H	-30.942930	-11.534456	-3.989897

H	-32.830410	-12.333248	-5.290634	H	-18.852743	-8.543088	7.715156	H	-20.651745	-9.541256	-15.731125
H	-33.339771	-11.305629	-3.909077	H	-20.233936	-7.667877	9.828238	H	-21.972843	-10.167932	-16.680012
H	-35.341946	-10.597037	-6.779918	H	-20.641514	-9.334448	10.152452	H	-20.880758	-8.981701	-18.705679
H	-35.135777	-11.824111	-5.544214	H	-22.870121	-8.718613	9.939187	H	-21.761471	-8.008334	-17.386175
H	-35.156048	-8.860437	-4.732596	H	-22.492580	-7.113804	9.297410	H	-19.718046	-7.225336	-16.540613
H	-36.731125	-9.600695	-5.047185	H	-24.707050	-7.876033	8.179255	H	-18.728621	-8.419795	-17.522827
H	-34.977028	-8.677653	-2.582110	H	-23.363815	-7.993883	7.044313	H	-19.576456	-7.384013	-19.591822
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H	-35.508072	-9.598302	-0.319563	H	-25.191898	-9.225548	6.201453	H	-18.258507	-5.329156	-19.610718
H	-35.789673	-11.260198	-1.128854	H	-24.321917	-11.626549	5.845670	H	-18.514584	-5.041381	-17.911612
H	-33.152821	-10.154547	0.697530	H	-25.151270	-12.214815	7.367375	H	-15.632659	-8.198118	-16.933968
H	-33.789192	-11.760060	0.480151	H	-25.702675	-12.771622	4.184253	H	-14.621056	-6.807808	-17.355087
H	-31.311987	-10.563971	-0.928126	H	-26.055948	-13.601981	5.816109	H	-16.196186	-7.033182	-14.654972
H	-31.233921	-11.579265	0.505467	H	-28.465405	-13.161234	5.442522	H	-14.552227	-7.686458	-14.861691
H	-33.173283	-16.776201	-1.255360	H	-28.099312	-12.094063	4.005900	H	-13.613638	-5.560600	-15.594243
H	-32.463623	-16.306969	0.313931	H	-29.795351	-14.249567	4.194401	H	-15.171488	-4.717413	-15.352828
H	-33.859489	-15.371615	-0.388281	H	-29.365538	-13.454194	2.685013	H	-15.311424	-5.355421	-13.047482
H	-30.334349	-16.187937	-0.315573	H	-29.105742	-16.476151	3.213289	H	-13.700395	-6.084582	-13.058506
H	-30.812624	-16.810555	-1.964519	H	-30.259468	-15.629127	2.051715	H	-12.566410	-3.864444	-13.613249
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H	-19.407452	0.940185	-6.991409	H	-28.122583	-18.994341	-0.905716	H	-13.382307	-2.757079	-9.413739
H	-20.705923	0.903763	-5.796267	H	-26.313356	-15.119950	-0.367828	H	-14.765878	-0.790010	-8.879219
H	-18.981096	0.840671	-5.267004	H	-25.855259	-16.370701	0.806504	H	-14.729514	-0.371578	-10.569776
H	-19.907223	-1.046347	-3.991138	H	-23.943895	-14.335209	-0.798839	H	-16.196011	-2.358258	-11.117148
H	-21.479328	-1.118650	-4.831413	H	-24.022135	-15.155673	0.728272	H	-16.244255	-2.803601	-9.327322
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H	-19.301300	-3.304108	-5.045823	H	-26.855326	-10.086574	-13.303204	H	-17.206835	-0.283210	-10.688489
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H	-22.422871	-4.508810	-2.260014	H	-27.428944	-9.986017	-11.356137	H	-22.275297	0.083049	-9.635658
H	-21.917259	-6.275840	-2.399598	H	-28.982122	-7.316336	-10.558835	H	-22.366253	-1.015979	-11.147209
H	-21.863234	-5.286053	0.161719	H	-28.819498	-8.786065	-9.480539	H	-24.353046	-1.214398	-9.663549
H	-21.008062	-6.725654	-0.408289	H	-27.629402	-6.033504	-9.400320	H	-23.542398	-2.726536	-9.871707
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H	-19.659857	-4.322008	0.879498	H	-24.993874	-6.243343	-9.447281	H	-22.968000	-0.948732	-7.418865
H	-20.875454	-7.852629	1.538866	H	-25.677734	-5.569082	-8.018478	H	-25.451788	-1.684446	-7.311611
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H	-23.706936	-19.884527	1.006085	H	-10.365561	-17.963816	-2.431196	H	-21.851902	-3.539651	2.749801
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H	-19.947500	-21.261873	9.694478	H	-5.756542	-17.959044	-2.450404	H	-19.827404	-2.175998	2.597845
H	-18.535866	-21.557837	8.611365	H	-5.171101	-15.071166	-3.544640	H	-17.754808	1.569024	3.240440
H	-18.367619	-19.227749	8.089540	H	-4.443499	-16.625444	-4.036642	H	-17.560907	1.091760	4.956778
H	-19.889324	-19.082012	9.102712	H	-5.248009	-15.519320	-5.285314	H	-15.195982	1.289699	3.965061
H	-18.743773	-17.521366	10.618541	H	-17.948957	-14.805686	-16.773235	H	-15.620074	-0.399616	4.111321
H	-17.210928	-17.830334	9.899878	H	-19.205919	-14.407458	-15.659330	H	-16.105141	-0.584254	1.631567
H	-18.811171	-15.087290	9.842089	H	-15.368305	-11.000097	-14.545057	H	-15.765838	1.205280	1.448509
H	-17.108332	-15.527449	9.377528	H	-14.758413	-11.022704	-12.969078	H	-13.443080	0.970397	2.260365
H	-17.355379	-14.771343	7.079951	H	-14.830493	-12.519206	-13.869930	H	-13.599637	-0.739796	2.330142
H	-19.126621	-14.612665	7.147234	H	-18.487059	-11.896286	-19.112221	H	-14.423309	-0.805286	-0.099178
H	-17.265463	-12.490416	6.462087	H	-17.545395	-11.504661	-17.644615	H	-14.119405	0.956260	-0.229202
H	-19.072083	-12.454557	6.609948	H	-17.236589	-12.996275	-18.556864	H	-10.452209	-0.431276	-2.116811
H	-17.227449	-10.900242	8.447636	H	-20.784996	-13.248828	-18.603325	H	-10.310758	-1.842331	-1.062683
H	-17.681238	-10.131850	6.925944	H	-19.548964	-14.414426	-19.094412	H	-10.214379	-2.738605	-3.306263
H	-18.295113	-9.070189	9.345202	H	-20.476843	-14.782998	-17.682034	H	-11.751858	-3.211151	-2.628051

H	-12.672235	-1.041247	-4.008173	H	-7.454708	-6.664517	6.424853	H	-13.077847	-14.468188	-15.403255
H	-10.943366	-0.809902	-4.526228	H	-5.735978	-8.627181	6.916186	H	-12.314499	-12.783755	-15.720718
H	-10.905729	-3.047297	-5.527036	H	-7.082504	-9.439233	7.677241	H	-10.950443	-15.586977	-15.650102
H	-12.634490	-3.303186	-5.255410	H	-7.904635	-9.573706	2.974521	H	-11.370463	-14.664067	-17.054827
H	-11.323095	-0.962798	-6.957997	H	-9.445515	-9.710650	3.884003	H	-9.778688	-12.778551	-16.457123
H	-12.315598	-2.383445	-7.576039	H	-9.693702	-7.089763	3.323986	H	-9.297696	-13.536789	-14.992221
H	-15.581231	-0.221953	-5.283578	H	-8.270333	-7.446039	2.205629	H	-8.208629	-15.507783	-16.430595
H	-16.272028	-1.156076	-6.686775	H	-9.967463	-9.400317	1.239197	H	-9.031292	-14.745588	-17.841578
H	-17.504705	-2.185873	-5.040169	H	-11.210633	-8.613502	2.190936	H	-6.685455	-13.716300	-16.135813
H	-16.254452	-3.354613	-5.236975	H	-10.793948	-6.321424	1.225721	H	-6.514856	-14.357824	-17.695452
H	-15.126425	-2.209140	-3.067667	H	-9.506202	-7.139301	0.139652	H	-5.769321	-9.695325	-18.143053
H	-16.490023	-1.083795	-2.986921	H	-11.318169	-8.787658	-0.714730	H	-7.267235	-10.172943	-18.986506
H	-18.089172	-2.901995	-2.562283	H	-12.507929	-7.698616	0.206971	H	-8.602868	-10.014060	-16.734118
H	-16.879623	-4.174379	-2.917470	H	-13.251053	-5.387967	-3.515781	H	-7.125192	-9.458712	-16.031261
H	-16.895651	-2.182898	-0.555525	H	-11.923410	-6.403035	-4.085326	H	-7.192185	-7.450928	-17.774500
H	-17.371773	-3.924379	-0.442424	H	-14.735543	-7.632917	-4.075484	H	-8.870129	-8.150906	-18.085621
H	-13.854636	-5.177344	1.122355	H	-14.231936	-6.601637	-5.424205	H	-7.782463	-6.829432	-15.445172
H	-13.005316	-3.676260	0.758496	H	-12.181299	-8.081602	-5.743783	H	-9.105967	-6.259907	-16.489868
H	-13.305553	-2.778916	2.775694	H	-12.646784	-9.096581	-4.295515	H	-10.512207	-8.199814	-15.922884
H	-14.635523	-3.946546	3.364792	H	-14.706030	-9.721327	-5.625513	H	-9.146118	-8.785071	-14.950017
H	-12.996169	-5.798415	3.370832	H	-14.121425	-8.860541	-7.052008	H	-11.660222	-6.632415	-12.072748
H	-11.639878	-4.736902	2.867791	H	-12.489983	-11.060130	-5.653780	H	-11.651371	-8.333046	-11.405327
H	-12.144063	-3.255475	4.828471	H	-13.419135	-11.335926	-7.124921	H	-9.280674	-8.083427	-10.662360
H	-13.114585	-4.624615	5.535846	H	-9.224547	-10.209288	-8.095153	H	-9.192611	-6.512034	-11.515450
H	-11.215607	-6.251725	5.212033	H	-8.973683	-11.968436	-7.878896	H	-10.946926	-5.575008	-10.029374
H	-10.114154	-4.838808	4.869809	H	-10.962842	-10.657176	-9.891236	H	-11.277394	-7.181603	-9.295804
H	-9.619472	-4.408876	9.020771	H	-9.353164	-11.390990	-10.340947	H	-9.070060	-7.216161	-8.227190
H	-9.838381	-6.191255	9.096043	H	-10.202024	-13.724593	-9.544679	H	-8.571164	-5.663064	-8.896273
H	-7.190124	-4.716288	8.116907	H	-11.756685	-12.966794	-9.223755	H	-10.338099	-4.456226	-7.706402
H	-7.487080	-5.067204	9.771213	H	-11.904608	-12.392735	-11.849876	H	-11.079248	-6.100128	-7.205677
H	-6.128053	-6.883918	8.689146	H	-10.206025	-12.901656	-11.983361	H	-7.215341	-6.353076	-4.645729
H	-7.564529	-7.552889	9.354996	H	-10.803482	-15.198486	-11.244599	H	-8.774617	-6.617065	-3.733350
H	-8.676337	-7.757960	7.215247	H	-12.558135	-14.680873	-11.088802				

Additional MM3-2000 parameters.

angle	1	1	75	0.830	107.50	107.00	107.90	
angle	5	1	75	0.820	110.00	108.90	108.70	
angle	1	3	78	0.85	123.50			
opbend		78	3	0	0	0.650		
torsion		1	1	1	75	0.200 0.0 1	0.000 180.0 2	0.300 0.0 3
torsion	5	1	1	75	0.000 0.0 1	0.000 180.0 2	0.300 0.0 3	
torsion		6	1	1	75	0.500 0.0 1	-2.000 180.0 2	1.900 0.0 3
torsion	13	1	3	75	0.000 0.0 1	0.000 180.0 2	0.000 0.0 3	
torsion	13	1	3	78	0.000 0.0 1	0.000 180.0 2	0.000 0.0 3	

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