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ESRF AIR EMISSIONS PROJECT

Effects of Offshore Oil and Gas

Production on Air Quality in

Canada's East Coast Offshore Areas



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Executive Summary

The results of this Environmental Studies Research Fund (ESRF) Air Emissions Project, “Effects of Offshore Oil and Gas Production on Air Quality in Canada’s East Coast Offshore Areas”, show, for the most part, that emissions from the production facilities result in concentrations of nitrogen dioxide (NO₂) that generally meet onshore air quality limits at the 500 m safety zone surrounding each installation.

This ESRF study was initiated in the fall of 2011 and its objective was to identify the potential contribution of Canada’s east coast offshore oil and gas production installations to the ambient air pollution in these areas. The Project focused on emissions of nitrogen oxides (NO_x) (and later nitrogen dioxide (NO₂)) from two active offshore areas, the Grand Banks, offshore Newfoundland and Labrador, and the Scotian Shelf, offshore Nova Scotia.

In order to predict the ground level concentrations of NO₂ resulting from the normal operation of the existing and planned offshore oil and gas operations, dispersion modelling was performed. The United States Environmental Protection Agency (US EPA) CALPUFF modelling system was selected as the dispersion model of choice for this study. The CALPUFF modelling system consists of a meteorological model, CALMET, a transport and dispersion model, CALPUFF, and a postprocessor designed to report concentrations, CALPOST and is the preferred model when estimating ground level concentrations on both local and regional scales, from tens of metres to hundreds of kilometers.

Numerous input parameters were required to run CALPUFF, including (but not limited to), nitrogen dioxide emissions data pertaining to each installation, installation and source dimensions, meteorological, terrain and land-use data for each offshore area. All emissions and installation data was provided by the participating operators. In the absence of meteorological station data in the offshore, meteorological data, in the form of MM5, was used. As both study areas consisted of open water, the terrain and landuse categories were therefore set as so.

Emissions data for this study included that from major sources such as turbines, boilers, generators and flares. Emissions from the operation of both helicopters and standby vessels were excluded as inputs from the CALPUFF dispersion model. Additional results of this study indicate that beyond approximately 35 to 40 km of the facilities (based on the worse case 1-hour) NO₂ levels disperse to virtually negligible levels. As well, the predicted concentrations of NO₂ resulting from the normal operation of the existing and planned offshore oil and gas installations are demonstrated to be comparable to measured urban data, collected in downtown, St. John’s, NL.

PROJET DU FEE CONCERNANT LES ÉMISSIONS ATMOSPHÉRIQUES

Effets de la production extracôtière de pétrole et de gaz sur la qualité de l'air dans les régions extracôtières de la côte Est du Canada

Résumé

Les résultats de ce projet du Fonds pour l'étude de l'environnement (FEE) concernant les émissions atmosphériques, *Effets de la production extracôtière de pétrole et de gaz sur la qualité de l'air dans les régions extracôtières de la côte Est du Canada*, montrent principalement que les émissions provenant des installations de production produisent des concentrations de dioxyde d'azote (NO₂) qui, généralement, respectent les limites de qualité de l'air à terre dans la zone de sécurité de 500 m entourant chaque installation.

Cette étude du FEE a été lancée en automne 2011 et son objectif était de déterminer la contribution possible des installations extracôtières de pétrole et de gaz de la côte Est du Canada à la pollution de l'air ambiant dans ces régions. Le projet était axé sur les émissions d'oxydes d'azote (NO_x) (et ultérieurement de dioxyde d'azote (NO₂)) émanant de deux régions extracôtières actives, les Grands Bancs, au large de Terre-Neuve-et-Labrador, et le Plateau néo-écossais, au large de la Nouvelle-Écosse.

Dans le but de prédire les concentrations au sol de NO₂ résultant de l'activité normale des opérations pétrolières et gazières extracôtières existantes et planifiées, la modélisation de la dispersion a été exécutée. Le système de modélisation CALPUFF de la United States Environmental Protection Agency (US EPA) a été choisi comme modèle de dispersion de choix aux fins de cette étude. Le système de modélisation CALPUFF consiste en un modèle météorologique, CALMET; un modèle de transport et de dispersion, CALPUFF; et un postprocesseur conçu pour rendre compte des concentrations, CALPOST, et il représente le modèle de prédilection lorsqu'il s'agit d'estimer les concentrations au sol, tant à l'échelle locale que régionale, de dizaines de mètres à des centaines de kilomètres.

De nombreux paramètres d'entrée ont été nécessaires pour exécuter CALPUFF, entre autres des données sur les émissions de dioxyde d'azote liées à chaque installation, les dimensions de l'installation et de la source, des données météorologiques, sur le terrain et sur l'utilisation des terres pour chaque région extracôtière. Toutes les données sur les émissions et sur l'installation ont été fournies par les exploitants participants. À défaut de données de station météorologique en zone extracôtière, des données météorologiques sous forme de MM5 ont été utilisées. Étant donné que les deux régions à l'étude consistaient en des zones d'eau libre, les catégories *terrain* et *utilisation des terres* ont donc été établies ainsi.

Les données sur les émissions incluaient les émissions de sources importantes comme les turbines, les chaudières, les générateurs et les torches. Les émissions provenant de l'utilisation d'hélicoptères et de navires de réserve ont été exclues comme données d'entrée du modèle de dispersion CALPUFF. D'autres résultats de cette étude indiquent qu'au-delà de quelque 35 à 40 km des installations (basé sur le cas extrême de 1 heure), la dispersion de NO₂ se situe à des niveaux quasi négligeables. En outre, les concentrations prévues de NO₂ résultant de l'exploitation normale **des installations pétrolières et gazières extracôtières existantes et planifiées** se sont avérées comparables aux données mesurées en milieu urbain et recueillies au centre-ville de St. John's, T.-N.-L.



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1.0 Introduction

In the fall of 2011 Natural Resources Canada initiated an Air Emissions Project, under the Environmental Studies Research Fund (ESRF), to conduct a study of the effects of the operation of offshore oil and gas production on air quality in eastern Canada. The ESRF program is a research program, mandated through the *Canada Petroleum Resources Act* (CPRA), that funds environmental and social research projects related to oil and gas exploration and development.

Stantec Consulting Ltd. (Stantec) was retained by Natural Resources Canada to undertake this ESRF research project. This report has been prepared to describe the objectives and scope of the project, to provide an overview of Canada's east coast offshore areas and relevant air quality regulations, to describe the methodology that was used to carry out the study, and to present and discuss the results obtained.

2.0 Overview of the ESRF Air Emissions Project

2.1 PROJECT OBJECTIVES

The objective of the ESRF Air Emissions Project was to identify the potential contribution of Canada's east coast offshore oil and gas production installations to the ambient air pollution in these areas.

The Project focused on emissions of nitrogen oxides (NO_x) from two active offshore areas, the Grand Banks, offshore Newfoundland and Labrador, and the Scotian Shelf, offshore Nova Scotia.

2.2 PROJECT SCOPE

The scope of the Project included carrying out the following tasks:

- Predicting ambient concentrations of NO_x for each Offshore Area considering both the normal operation of existing and planned operations;
- Presenting the predicted spatial concentration distributions graphically for each Offshore Area, identifying the location and the magnitude of the maximum ground-level concentrations;
- Identifying the maximum and percentile ground level concentrations at each of the offshore platforms and at the ambient monitoring location on Sable Island;
- Providing a comparison of the predicted concentrations from the offshore activities to other known sources of NO_x emissions;
- Conducting quality assurance and quality control analysis on all input and output data;

- Evaluating and analyzing the modelling results;
- Preparing a written report on all aspects of the work outlined above; and
- Presenting the results to the Technical Advisory Group (TAG).

2.3 DISPERSION MODEL

Dispersion modelling was performed to predict the ambient concentrations of NO_x resulting from the normal operation of the existing and planned oil and gas operations in the offshore areas. A dispersion model is a mathematical model of physical processes that incorporates a set of mathematical equations to describe the transport and dispersion process of air contaminants. The contaminants are described in terms of source characteristics together with meteorological elements over a given time period. The dispersion of any particular air contaminant is dependent on a number of factors including the characteristics of the contaminant, meteorological conditions, local terrain, emission point characteristics and the location of the emission points in relation other structures.

There are a number of different types of dispersion models and the selection of one over the other for any given project is dependent on project specific factors such as the characteristics of the contaminant being modelled, the terrain, the size of the study domain, and, in some cases, regulatory standards and/or guidance. The United States Environmental Protection Agency (US EPA) CALPUFF modelling system was selected to predict maximum ground level concentrations from operation of the offshore oil and gas installations in both areas. This model was proposed over other options primarily for the following reasons:

- The ability to handle larger, regional-scale modeling domains;
- The ability to better handle meteorological variations throughout the model domain;
- The ability to process the gridded multilevel analysis meteorological dataset (MM5) for use in the modeling where alternative meteorological data, for example based on a network of land stations, is not readily available; and
- The ability to be extended to cover chemical transformations of contaminants, if later required.

The core of this system consists of a meteorological model CALMET, a transport and dispersion model CALPUFF and a postprocessor, CALPOST, designed to report concentrations of the air contaminants of interest.

The CALMET meteorological model is used to provide the meteorological data necessary to drive the CALPUFF dispersion model. This model is initialized with terrain and land use data describing the region of interest, and meteorological input from potentially numerous sources. Various user-defined parameters control both how the input meteorological data is interpolated to the grid, as well as which internal algorithms are applied to these input fields. Output from the CALMET model includes hourly temperature and wind fields on a user-specified three-dimensional domain and additional two-dimensional variables used by the CALPUFF dispersion model.

CALPUFF is a non-steady-state Gaussian puff dispersion model capable of simulating the effects of time and space-varying meteorological conditions on pollutant transport, transformation, and removal. This model requires time-variant two- and three-dimensional meteorological data output from a model such as CALMET and information regarding the relative location and nature of the sources to be modeled. Output from the CALPUFF model includes ground level concentrations of the species considered.

CALPOST is a postprocessor designed to average and report the concentrations contained within the hourly data produced from the CALPUFF model.

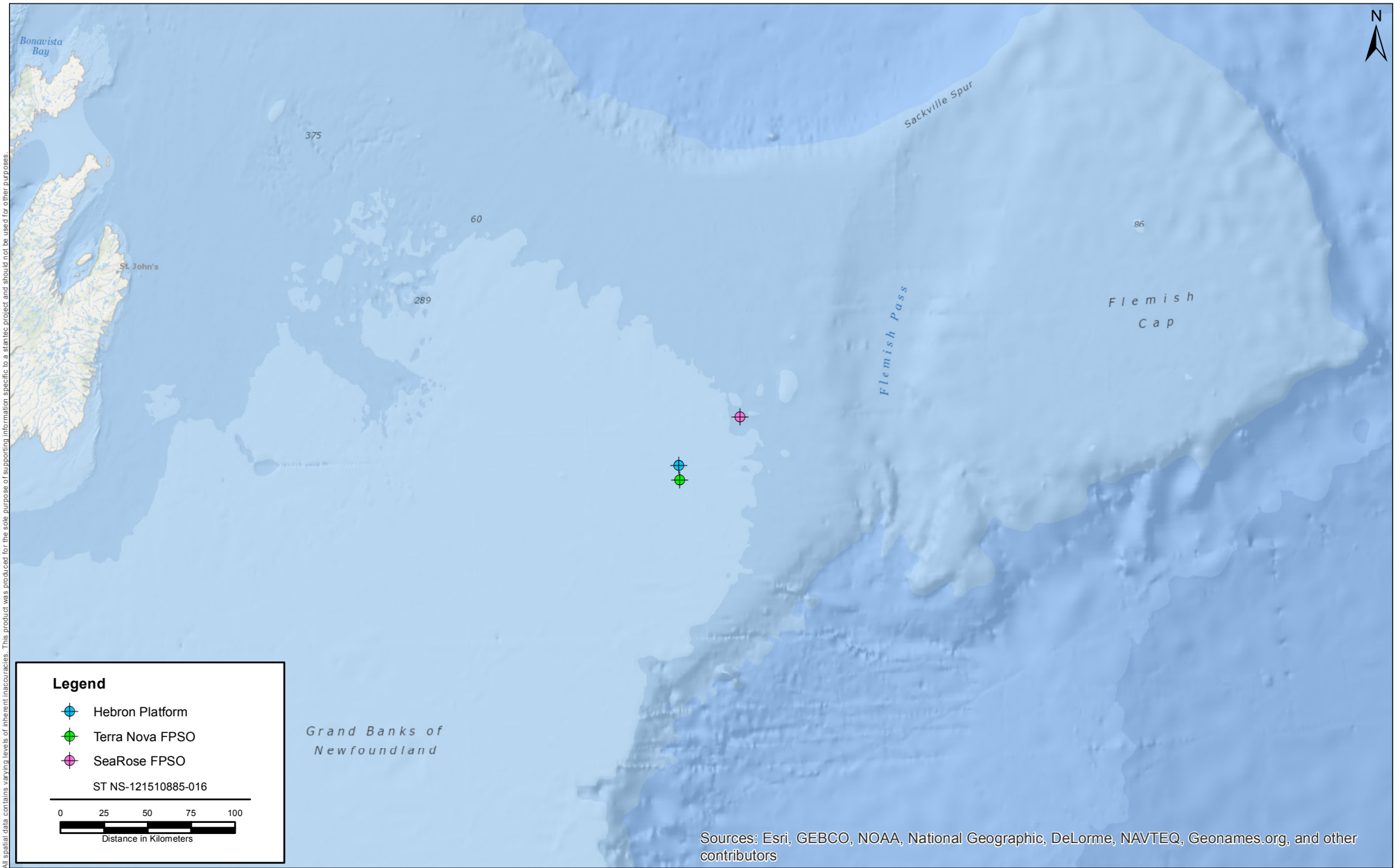
The various parts of the modeling system all comprise different levels of uncertainty. The greatest feature of CALPUFF, the use of a Lagrangian model scheme (allowing for a three dimensional wind field), is less important where the effects of the contaminants are only significant relatively close to the source, including those due to downwash effects. The treatment of downwash in most dispersion modeling is typically a worst-case approximation to a complex and transient phenomenon. The difficulty in quantitatively assessing downwash is particularly pronounced in the treatment of offshore platforms because of the aerodynamic complexity of the structures. Where downwash is predicted, the results are likely to be more conservative, and the actual conditions are likely to be more variable than implied by model output. For example, the transition from an elevated plume to a downwashed plume may be triggered by the gusts that change direction and speed several times within the one-hour model timesteps. In this study, the characterization of the emission sources is a greater source of uncertainty than the meteorological information, which is considered to be reliable.

Details pertaining to each of these modelling systems, in relation to how they were applied for this project, are further explained in Section 6.0.

2.4 STUDY AREA

Oil and gas production areas exist in two regions off the east coast of Canada: the Grand Banks, offshore Newfoundland and Labrador; and the Scotian Shelf, offshore Nova Scotia. The objective of this ESRF project was to identify the potential contribution to the ambient air quality made by existing and planned oil and gas production operations operating in both of these areas.


Considering the location of each of the offshore production areas and the resultant overall geographic extent of these areas, it was determined that there would not be any overlap. Therefore, the approach used for this study was to assess each offshore area separately. The two offshore study areas assessed within this study are presented in Figures 2.1 and 2.2. While the initial intent of this study was to assess the impact of the operation of the existing and planned offshore production facilities on air quality within the areas shown by Figures 2.1 and 2.2, results from previous studies and preliminary runs in this study were used to optimize the areas assessed (refer to Figures 6.1 and 6.2).

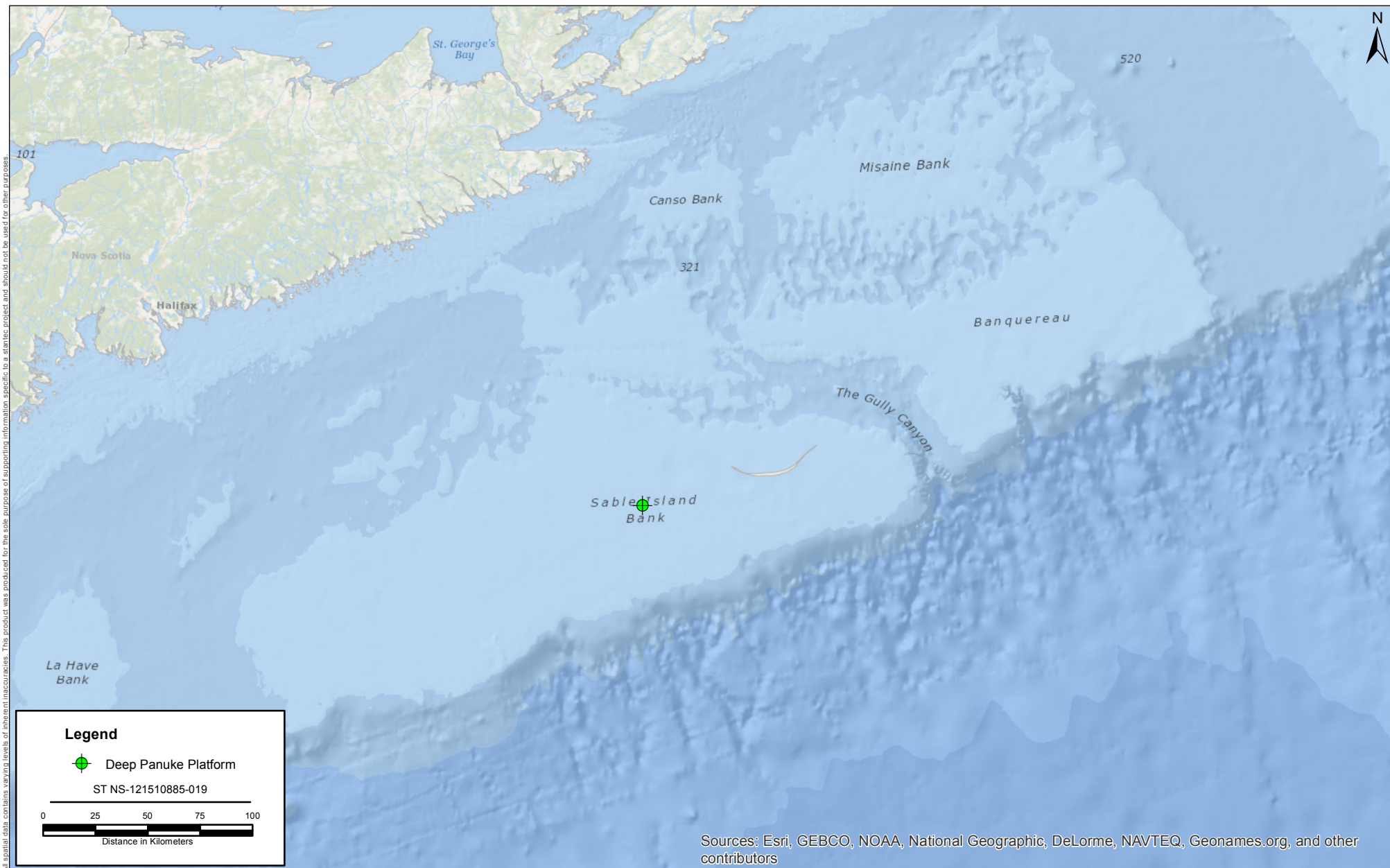


PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Newfoundland and Labrador Offshore Study Area

FIGURE NO.:	2.1
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All spatial data contains varying levels of inherent inaccuracies. This product was produced for the sole purpose of supporting information specific to a static project and should not be used for other purposes.

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CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Nova Scotia Offshore Study Area

FIGURE NO.:	2.2
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2.5 CONTAMINANT OF INTEREST

The majority of electrical power production and direct drive power production in the offshore is provided by combustion turbines. On the platforms, an array of diesel generators and diesel pumps are used to power maintenance gear, such as welders, fire pumps, and other services. Diesel engines are also the predominant power source for supply vessels and standby vessels in the offshore. The third category of emissions is that of flaring, which is conducted for safety purposes and to handle the routine minor pressure fluctuations in processing systems.

Combustion turbines are by far the dominant sources of emissions on production platforms, and diesel engines are relatively minor. Flares are typically small, but, by nature of their purpose, are variable. All three emission types produce air contaminants that are listed under the provincial and national air quality regulations and objectives, specifically nitrogen dioxide, particulate matter, carbon monoxide and, where sulphur is present in the fuel, sulphur dioxide. These sources also produce carbon dioxide, not a conventional air contaminant, but of concern as a greenhouse gas. Although it is possible to quantify and model a whole suite of contaminants, it was determined at the beginning of the study that the resources should be focused on the contaminant that was of greatest interest relative to the air quality standards. That is nitrogen oxides, the species of contaminant that is common to all combustion sources, and which is proportionately the most significant in considering turbine emissions. Other contaminants are minor. According to Environment Canada:

Since natural gas contains no ash and practically no sulphur or metals, emissions of these substances are virtually zero (<http://www.ec.gc.ca/energie-energy/default.asp?lang=En&n=7ED2A11B-1>, accessed March, 2013)

Much progress has happened in the last few years as the increased use of natural gas fired turbines has seen power plants within urban areas such as Dartmouth, NS, and many airports in Canada and the US have cogeneration installations or simple-cycle plants within the airport property. These locations are possible because engineering advances have lowered the NO_x emissions to levels that are acceptable, even in the urban environment with limited buffer distances. The research has focused on the reduction of nitrogen dioxide, the regulated species of the NO_x group, and the contaminant that characterizes turbines and diesel engines, and which is emitted in greatest proportion relative to the air quality regulations.

Nitrogen oxides were initially selected by the TAG as the contaminant of focus for this project. Nitrogen dioxide (NO₂), however, is the contaminant of greatest concern, is emitted by every facility in consideration and is the regulated form of NO_x it was later identified by the TAG as the contaminant to be modelled in this study.

Nitrogen dioxide, one of the nitrogen oxides, is a contaminant that undergoes transformation in the atmosphere. Emissions of nitrogen oxides, NO_x, at a source typically comprise some nitrogen oxide, NO, plus nitrogen dioxide, NO₂. NO is harmless, NO₂ is a hazardous pollutant, and is the form of NO_x that is regulated. Eventually, the NO that is emitted is transformed through oxidation processes to NO₂. Typically this process occurs over some time and distance from the source, so the actual concentration of the

regulated substance is a function of the original emission plus the transformed emission. For the purposes of this study, the methodology advocated by the Newfoundland and Labrador DEC has been used for this adjustment, and is further discussed in Section 6.2.6.

3.0 State of the Offshore

3.1 REGULATORY BODIES

The offshore areas of NS and NL are regulated by the *Canada-Nova Scotia Offshore Petroleum Board* (CNSOPB) and the *Canada-Newfoundland and Labrador Offshore Petroleum Board* (C-NLOPB), which have responsibility for environment, health and safety in addition to permitting for exploration and production activities. Air quality regulation is typically at the discretion of the boards, and it has been the practice to invite persons from the respective provincial environmental departments, and Environment Canada for external expert consultation on matters involving air quality. The offshore locations are somewhat isolated and there are very few persons in the vicinity who are not associated with the facilities; therefore, air quality has not been a major concern, and the need has not arisen to establish applicable air quality criteria or limits and compliance with them. The Department of Environment and Conservation of Newfoundland and Labrador has participated in the reviews of environmental assessments for offshore facilities, and are participating in this study.

3.2 AIR QUALITY REGULATIONS

As the offshore petroleum boards have not issued direct regulations pertaining to air quality offshore, environmental assessments for projects in the offshore have generally adopted the default position that the provincial regulations can be applied as guidance. There are federal objectives for air quality, and these have conventionally been applied as guidance in assessments that include federal involvement. The two sets of criteria are not in conflict, as federal objectives have formed the basis for standards developed in the provinces. The Canadian Council of Ministers of the Environment is working toward the harmonization of provincial regulations and federal objectives.

As the purposes of this report are, in part, to provide some context for the air quality offshore, and a frame of reference for the impact of offshore production facilities, the provincial and federal criteria are all included in Table 3.1 below. These criteria (the onshore air quality criteria) have also been used throughout Section 8.0 to provide a frame of reference for the results of this study; however, these values should not be considered “standards” in the offshore, as the setting of such standards is at the discretion of the offshore petroleum boards.

Table 3.1 Air Quality Criteria for Nitrogen Dioxide

Air Quality Criteria		NO ₂ Criteria (µg/m ³)		
		1-Hour	24-Hour	Annual
Newfoundland and Labrador Air Pollution Control Regulations, 2004 under the Environmental Protection Act (O.C. 2004-232)		400	200	100
Nova Scotia Air Quality Regulations made under Section 112 of the Environment Act S.N.S. 1994-95, c. 1 O.I.C. 2005-87 (February 25, 2005, effective March 1, 2005), N.S. Reg. 28/2005 as amended up to O.I.C. 2010-444 (December 7, 2010), N.S. Reg. 187/2010		400	na	100
Canada National Ambient Air Quality Objectives (NAAQOs)	Maximum Desirable Level	na	na	60
	Maximum Acceptable Level	400	na	100
na – not applicable as no criterion for that time interval				

3.3 EXISTING & PLANNED OPERATIONS

Three production facilities currently operate offshore NL and include the following:

- The SeaRose Floating Production Storage and Offloading (FPSO) Unit, operated by Husky Energy;
- the Terra Nova FPSO, operated by Suncor Energy and partners; and
- the Hibernia Platform, operated by ExxonMobil Canada and partners.

An additional production facility has been approved by the C-NLOPB for offshore NL, the Hebron Project, to be operated by ExxonMobil and partners. The onshore construction of the Hebron Platform is expected to begin in 2013 with first oil expected in 2017.

Currently, one production facility exists in the offshore waters of Nova Scotia, that of the Sable Offshore Energy Project, operated by ExxonMobil and partners. The Deep Panuke Offshore Gas Development Project, operated by Encana Corporation and partners, is currently under development offshore Nova Scotia with first gas expected in 2013.

The locations of each of the existing and planned offshore oil and gas installations offshore NL and NS, participating in the Project, are illustrated in Figures 2.1 and 2.2 above.

3.4 BACKGROUND CONCENTRATIONS OF NO_x

It is well understood that Atlantic Canada enjoys predominantly good air quality except for situations that cause the advection of contaminated air masses from the highly populated and industrialized continent.

Such exposures are often related to the summertime occurrences of high pressure subsidence inversions that are related to a persistent Bermuda ridge of high pressure. Low windspeeds, limited mixing heights, and stagnation of the weather systems result in a buildup of pollutants over the northeastern US, flowing offshore through Nova Scotia toward Newfoundland. At the distances involved in this project, particularly for the Newfoundland domain, the background concentrations are considered to be so small as to be negligible (Department of Environment and Conservation, 2012, pers. comm.). For Nova Scotia offshore, Sable Island does have a monitoring station, and the most recent year of record, has a maximum hourly level of 13 $\mu\text{g}/\text{m}^3$, and an annual average of about 2 $\mu\text{g}/\text{m}^3$, corresponding to approximately 3 and 2% of the standards, respectively. These levels are very low but do indicate the minor influence of existing marine operations in the area; background levels, that is, those that would exist in the absence of oil and gas activities, would be virtually zero, as on the Grand Banks.

4.0 Offshore Emissions of NO_x

4.1 OFFSHORE OPERATIONS & SUPPORTING EQUIPMENT

Offshore production platforms produce large amounts of power from combustion of fossil fuels. Most of the power production is in the form of electrical power generated by turbine-generator sets. The combustion turbines may be fuelled by a light oil, diesel fuel, a condensate fuel from hydrocarbon liquids produced from the reservoir, or sales gas produced for export. In addition to the generation of electricity, some turbines are directly coupled to compressors to propel the sales gas through pipeline to shore. The turbines are similar to the turbines found in urban power plants, large factories, and in jet aircraft. Turbines operate by drawing in air through a series of fan blades spinning at high velocity. Some of the air enters an axial combustion chamber where it is ignited with the fuel, and expands, passing over additional turbine blades as it exits the engine. These additional blades are directly coupled to the intake fan blades, and cause the air to enter the engine. The total exhaust comprises the combustion exhaust and the bypass compressed air, all of which is ducted through blades driving the generator or compressor.

The flare system is similar to industrial flares at any refinery or similar processing facility. Variations in the feedstock or equipment operation sometimes cause temporary elevations in the pressure in piping, and the flare is essentially a safety valve that opens to releases the gases and ignites them as it does so. To maintain the flare, there is usually a pilot flame operating which prevents an explosive combination of gas from building up in the flare structure. Gas may also be released from the purging of vessels and tanks on the platform, or in extreme emergency when it is necessary to depressurize the lines quickly. Because some of the combustion occurs as the gas enters the atmosphere, the periphery of the flame may cool fast enough that some products of incomplete combustion remain. Flares are not as efficient as closed combustors as they operate at lower temperature, however they produce less emission of nitrogen oxides than turbines and are built to release gases at sufficient height that air quality is seldom an issue. The height is not a design element to improve dilution, although it does so, but another safety aspect to raise

the very high heat radiation from the burning flare high enough above the deck that it does not cause radiation burns to exposed persons.

The diesel engines that are the remaining source of combustion emissions are essentially no different from diesel engines found in an industrial environment ashore. They are important for providing motive power for fire pumps and emergency lighting, but may also be found in small generators. Generally these will be of similar power to those in onshore construction operations that occur without adverse effects in urban areas, and which would be expected to cause little effect in the offshore. These are included in the analysis for completeness.

4.2 MARINE TRAFFIC

In addition to the production facilities, there are emissions to the atmosphere from various vessels including the standby vessels, supply vessels, and other fishing boats, freighters and the like that are transiting the area. Marine diesels can be sources of nitrogen dioxide, but they are transient or are at lower engine settings on standby, therefore are not large cumulative sources in the offshore.

5.0 Typical Emissions of Nitrogen Oxides

As discussed above in Section 4.0, the majority of the emissions of nitrogen oxide from the operation of oil and/or gas installations result from the combustion of fuel in turbine generators, boilers and/or generators and from the flares. Figure 5.1 illustrates the emissions from each source on each offshore installation considered in this study. The information presented in Figure 5.1 was provided by each operator.

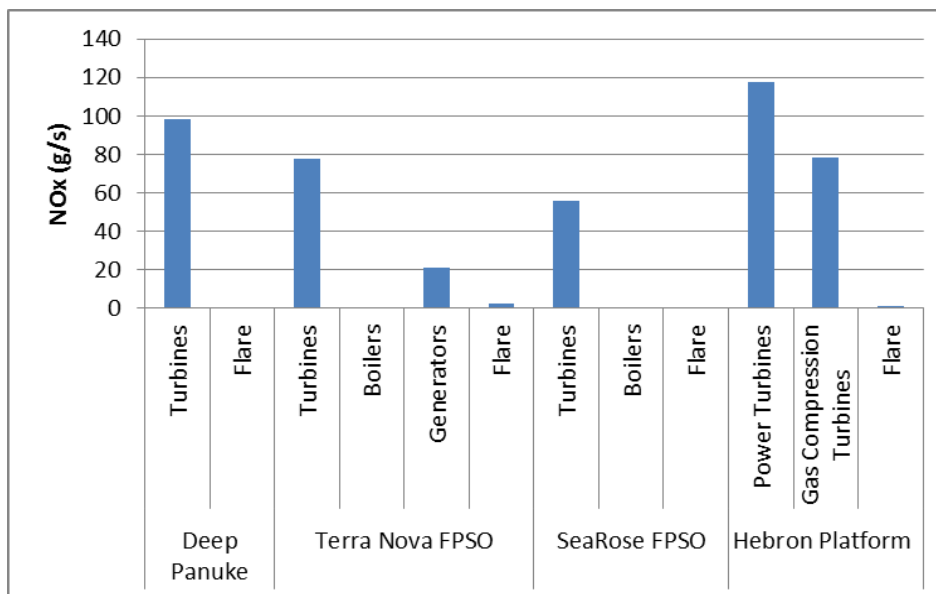
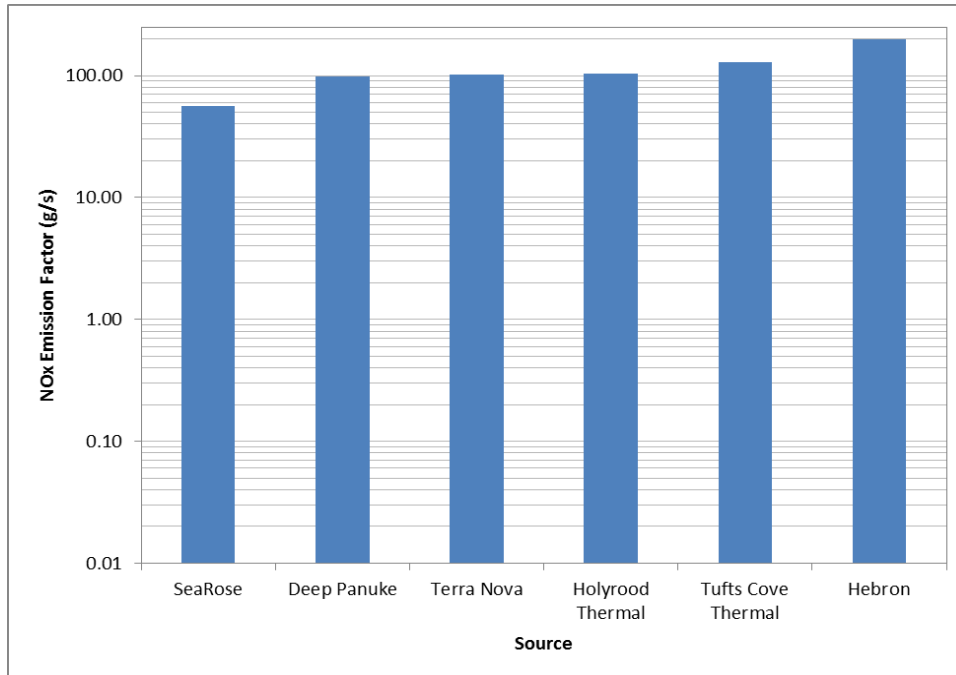


Figure 5.1 Emissions of NO_x from each Existing and Planned Offshore Operation

To place the above emission estimates in context with other known sources of NO_x emissions Figure 5.2 was developed.



Reference: Environment Canada 2012; Faiz *et al.* 1996

Figure 5.2 NO_x Emissions Comparison

As illustrated in Figure 5.2, emissions from the offshore facilities are comparable to those of major power plants such as the Tufts Cove Generating Station in Dartmouth, NS and the Holyrood Thermal Generating Station in Holyrood, NL. This figure helps to provide an understanding of the scale of emissions of these facilities.

6.0 Air Dispersion Modelling Methodology

As discussed in Section 2.0, the CALPUFF modelling system was selected to predict the maximum ground level concentrations of nitrogen dioxide resulting from the operation of the offshore oil and gas installations in eastern Canada and is made up of three systems: CALMET, CALPUFF and CALPOST.

The methodology used to conduct the air dispersion modelling for this project is further discussed in the following sub-sections.

It should be noted that there is no federal guidance that governs how dispersion modelling shall be conducted for operations located offshore. The province of Newfoundland and Labrador published a modelling guideline, titled “Guideline for Plume Dispersion Modelling”, (revised 2012) that contains

approved modelling methods for determining compliance with the provincial ambient air quality standards, however no such document exists for the province of Nova Scotia. Although not required in the offshore, certain components of the methodology published in the NL modelling guidance document were adopted for this study (i.e. chemical transformation).

6.1 CALMET METEOROLOGICAL MODELLING

CALMET is the meteorological model that pre-processes meteorological data for input into the CALPUFF model. CALMET develops three-dimensional gridded hourly wind and temperature fields as well as two-dimensional fields such as mixing heights.

Options exist in CALMET to create an initial guess field either by interpolating observation data or by using output from a prognostic meteorological model, such as the NCAR/PSU mesoscale modelling system (MM4/MM5). The prognostic model data is usually run over a very large domain with much coarser resolution than that applied with CALMET. The advantage of using CALMET is that it can be used to interpolate the prognostic data to develop a 3-D fine scale first guess field of wind speeds and directions.

Typically, observations from the nearest representative upper air and surface stations are used alone or in conjunction with an initial guess field generated from a prognostic meteorological model. Alternatively, prognostic meteorological model data can also be used as the primary source of the meteorological input for processing by CALMET.

The most recent version of CALMET, Version 6.334 (Level 110421), was used for this Project.

6.1.1 Geophysical Data

To initialize the CALMET model, terrain elevation and land use data depicting the geophysical conditions in the selected modelling domain are required. Although “terrain” in this project is open ocean, the CALMET processor is sophisticated enough to handle complex land and shoreline, if ever required. Terrain elevation data are used in CALMET in various model algorithms to characterize meteorological phenomena such as up- and down-slope flows and the steering of winds by terrain such as a river valley. In addition to the terrain elevation data, the CALMET model uses surface parameters such as surface roughness length, albedo, Bowen ratio, leaf area index, soil heat flux, and anthropogenic heat flux to estimate meteorological parameters such as surface heat flux and mechanical turbulence. In the model's geophysical pre-processor MAKEGEO, values for each of these surface parameters are specified based on input land use categories.

6.1.1.1 *Terrain Data*

As both study areas are located offshore eastern Newfoundland and Labrador (the Grand Banks area) and offshore southern Nova Scotia (the Scotian Shelf) within the Atlantic Ocean all terrain elevations, within both modelling domains, were therefore set to sea level.

6.1.1.2 Land Use Data

Land use is the classification of the different land types such as urban, forested, wetland, agricultural, etc. Different land classifications can have localized influences on the meteorology of a region and in turn can influence plume dispersion. CALMET requires land use data in order to help characterize the meteorology of the region.

The land use data used for this project was collected from Global Land Cover Characterization (version 2) (30 arcsecond), and in this case was simplified by being the ocean domain.

6.1.2 Meteorological Data

The majority of the Newfoundland offshore study area is located offshore with sources located in the Atlantic Ocean. As such there are no national surface meteorological stations in close proximity to the study area that would be considered representative of the meteorological conditions near the facilities and the data collected on these facilities was not available. Additionally, the model domain covers a relatively large area. As a result, a PSU/NCAR Mesoscale Model (MM5) dataset was procured from TRC Solutions (contractor to the US EPA in development of CALPUFF) for use in the study. Alternatively, a meteorological station does exist near the sources located within the Nova Scotia offshore study area; however, for consistency purposes, an MM5 dataset was also procured from TRC Solutions for this study area.

One full year of meteorological data (MM5 data) was used for this analysis, for both surface and upper air data. For this project, data from the year 2006 was selected in consultation with Newfoundland Conservation and Environment and with TRC, based on the data availability and integrity.

6.1.3 Meteorological Domain

The meteorological domain for the Newfoundland offshore study area consisted of a 100 km by 100 km grid with 1 km spacing's and an 80 km by 80 km grid with 1 km spacing's for offshore Nova Scotia.

The vertical wind component within CALMET is defined at vertical cell faces. For this study the meteorological grid was assembled using 10 vertical cell faces and 11 vertical cell heights, as presented in Table 6.1.

Table 6.1 Proposed Vertical Cell Faces and Heights for Specification within CALMET

Cell Face	Cell Face Height (m)
1	0
2	20
3	40
4	80
5	160
6	320
7	640

Table 6.1 Proposed Vertical Cell Faces and Heights for Specification within CALMET

Cell Face	Cell Face Height (m)
8	1,200
9	2,000
10	3,000

The CALMET modelling input files for both study areas are included in Appendix A.

6.2 CALPUFF DISPERSION MODELLING

“The CALPUFF model is a non-steady-state Lagrangian, Gaussian puff dispersion model which incorporates simple chemical transformation mechanisms, wet and dry deposition, complex terrain algorithms and building downwash. A Lagrangian model uses a three dimensional wind field that changes in the three spatial dimensions and with each time step along the trajectory of the puff, as opposed to older models that apply a single speed and direction across the entire model domain in each time step. A Gaussian puff dispersion model is a type of model that assumes a Gaussian distribution (or normal distribution) to the distribution of contaminants in the puffs.

The CALPUFF model is suitable for estimating ground level air quality concentrations on both local and regional scales, from tens of metres to hundreds of kilometers. It can accommodate arbitrarily varying point sources and gridded area source emissions. Most of the algorithms contain options to treat the physical processes at different levels of detail depending on the model application. The major difference between CALPUFF and “conventional” dispersion models is that CALPUFF is a Lagrangian model, using discrete puffs. Conventional models assume a meteorological field to be uniform between source and receptor. Lagrangian models allow for a field that is both time variant and spatially variant; that is, the wind direction can change in space, and may change in time as the puff moves between source and receptor.

The major features and options of the CALPUFF model are summarized briefly as follows:

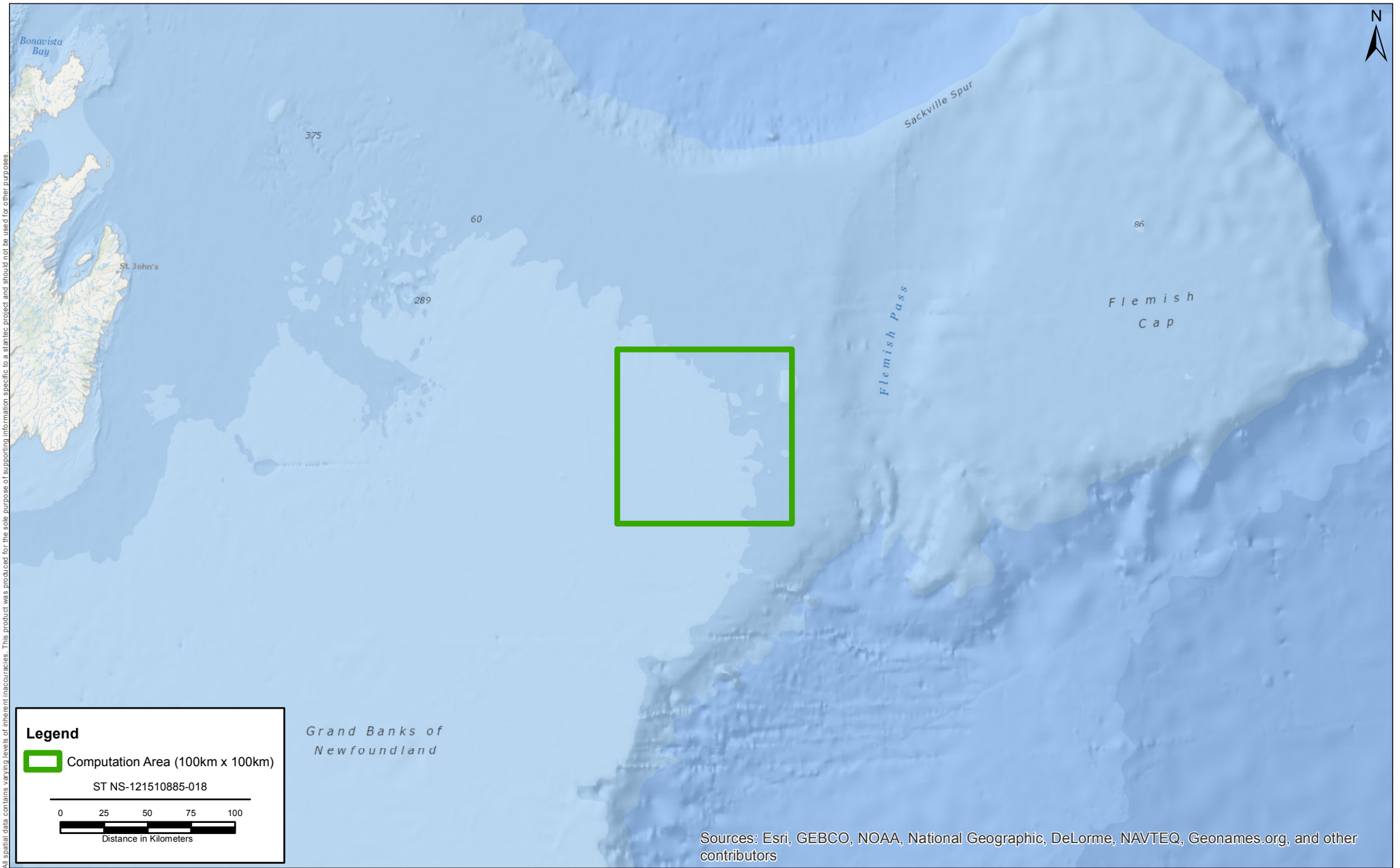
- **Puff Sampling Functions:** A set of accurate and computationally efficient puff sampling routines are included in CALPUFF which solve many of the computational difficulties with applying a puff model to near-field releases. For near-field applications during rapidly varying meteorological conditions, an elongated puff (slug) sampling function can be used. An integrated puff approach is used during less demanding conditions. Both techniques reproduce continuous plume results exactly under the appropriate steady state conditions.
- **Wind Shear Effects:** CALPUFF contains an optional puff splitting algorithm that allows vertical wind shear effects across individual puffs to be simulated. Differential rates of dispersion and transport occur on the puffs generated from the original puff, which under some conditions can substantially increase the effective rate of horizontal growth of the plume.
- **Building Downwash:** The Huber-Snyder and Schulman-Scire downwash models are both incorporated into CALPUFF. An option is provided to use either model for all stacks, or make the choice on a stack-by-stack and wind sector-by-wind sector basis. Both algorithms have been implemented in such a way as to allow the use of wind direction specific building dimensions.

- Over water and Coastal Interaction Effects: Because the CALMET meteorological model contains both over water and over land boundary layer algorithms, the effects of water bodies on plume transport, dispersion, and deposition can be simulated with CALPUFF. The puff formulation of CALPUFF is designed to handle spatial changes in meteorological and dispersion conditions, including the abrupt changes that occur at the coastline of a major body of water.
- Dispersion Coefficients: Several options are provided in CALPUFF for the computation of dispersion coefficients, including the use of turbulence measurements (σ_v and σ_w), the use of similarity theory to estimate σ_v and σ_w from modelled surface heat and momentum fluxes, or the use of Pasquill-Gifford (PG) or McElroy-Pooler (MP) dispersion coefficients, or dispersion equations based on the Complex Terrain Dispersion Model (CTDM). Options are provided to apply an averaging time correction or surface roughness length adjustment to the PG coefficients.

The Lakes Environmental CALPUFF View Model Version 6.4 (CALPUFF Version 6.42 – Level 110325) was used for this analysis and it contains the latest CALPUFF model released by TRC.


6.2.1 Computational Grid

The computational grid or modelling domain for the NL study area was set to cover an area, 100 km by 100 km centered on the following location: UTM zone 22, easting 707,566 m, northing 5,174,960 m. The modelling domain for the NS study area was set to cover an area 80 km by 80 km centered on the following location; UTM zone 20, easting 685,971 m; northing 4,853,740 m. The dimensions of the computational areas were developed based on results from previous studies conducted in the offshore areas, extent of meteorological data and to optimize model run time. The modelling domains are illustrated in Figures 6.1 and 6.2.

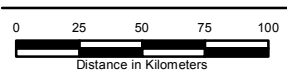


All spatial data contains varying levels of inherent inaccuracies. This product was produced for the sole purpose of supporting information specific to a static project and should not be used for other purposes.

Legend

 Computation Area (100km x 100km)

ST NS-121510885-018



Distance in Kilometers


Grand Banks of Newfoundland

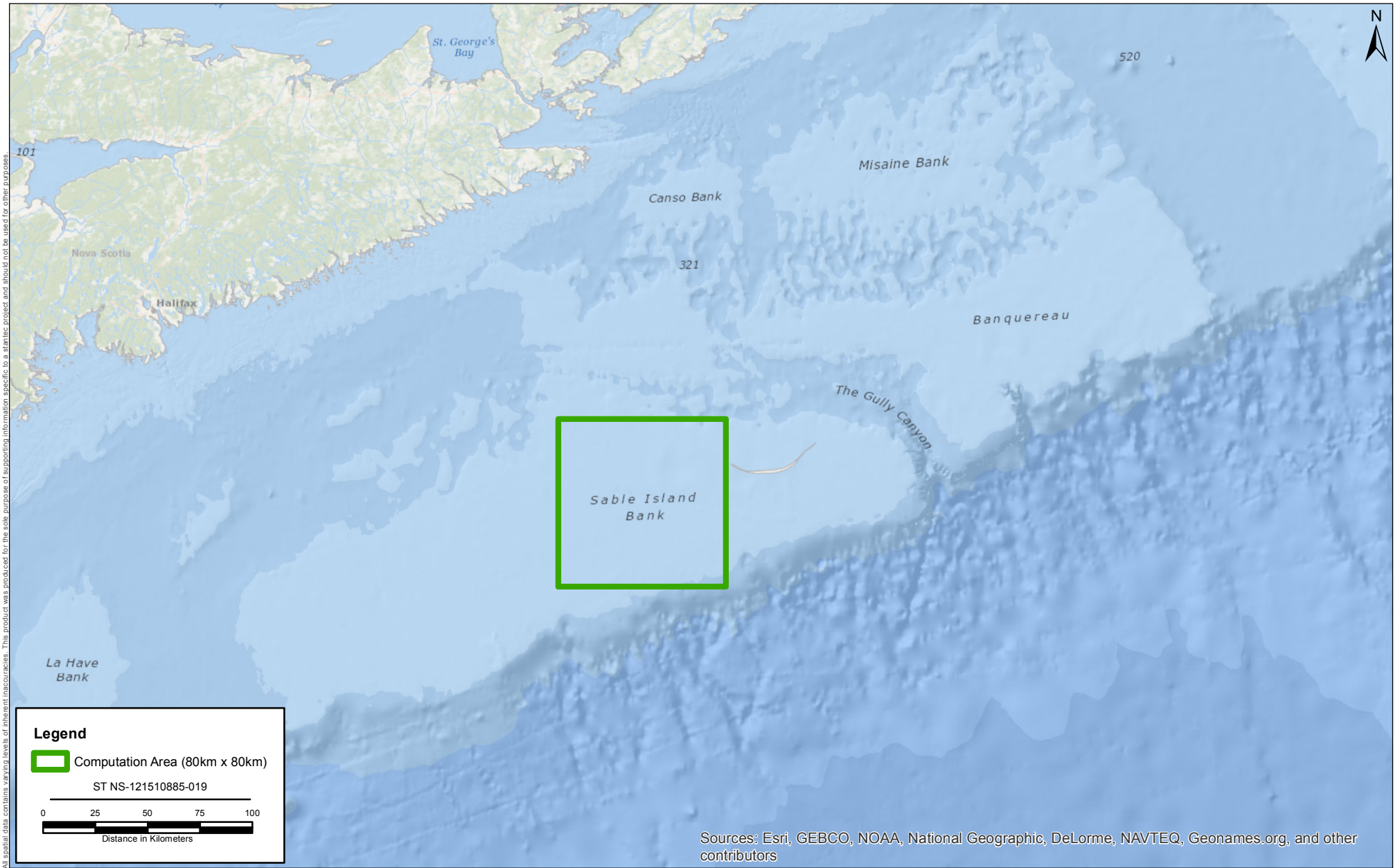
Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, NAVTEQ, Geonames.org, and other contributors

PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Modelling Domain for Offshore Newfoundland and Labrador

FIGURE NO.:	6.1
DATE:	Mar 08, 2013
 Stantec Stantec Consulting Ltd. © 2012	



All spatial data contains varying levels of inherent inaccuracies. This product was produced for the sole purpose of supporting information specific to a static project and should not be used for other purposes.

Legend

Computation Area (80km x 80km)

ST NS-121510885-019

0 25 50 75 100


Distance in Kilometers

Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, NAVTEQ, Geonames.org, and other contributors

PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Modelling Domain for Offshore Nova Scotia

FIGURE NO.:	6.2
DATE:	Mar 08, 2013
 Stantec Stantec Consulting Ltd. © 2012	

6.2.2 Modelling Scenarios

Three separate scenarios were modeled for this project. The scenarios modelled and the operations included are summarized in Tables 6.2 and 6.3.

Table 6.2 Summary of Air Dispersion Modelling Scenarios for Offshore Newfoundland

Offshore Area	Modelling Scenario	Existing Operations			Planned Operations
		Terra Nova FPSO	SeaRose FPSO	Hibernia	Hebron
Grand Banks	Existing	√	√	NMA	
	Existing + Planned	√	√	NMA	√

*NMA = Data Not Made Available

Table 6.3 Summary of Air Dispersion Modelling Scenarios for Offshore Nova Scotia

Offshore Area	Modelling Scenario	Existing Operations	Planned Operations
		Sable	Deep Panuke
Scotian Shelf	Existing	NMA	
	Existing + Planned ¹	NMA	√

*NMA = Data Not Made Available

¹ this scenario will only incorporate a planned operation, no existing operations.

As data was not made available for the Sable Offshore Energy Project, the existing condition for offshore Nova Scotia was not modelled, and the existing and planned scenario incorporated only emissions from the Deep Panuke platform.

6.2.3 Source Inputs

The sources of emissions modelled by this study included point sources from the oil and gas production installations. Only emissions corresponding to normal operations were incorporated into each model. Emissions from flares were included, but for routine operational flaring, including purge gas and upset conditions, only; emergency conditions were not simulated. Fugitive emissions of nitrogen oxides on the stationary facilities that are considered to be negligible in comparison with the turbine, utility diesel and flaring point sources have not been considered further.

Other external sources of emissions of nitrogen oxides relating to the operation of the offshore oil and gas installations, including helicopters and supply vessels, were not incorporated into this study.

A summary of the source inputs, including emissions data and assumptions, for each offshore installation are presented in the following Tables 6.4 through to 6.7.

The emissions inventory presented below for each offshore installation was developed using emissions and stack data provided by each of the offshore operators. As this study was intended to place the offshore emissions in perspective, rather than a more exacting permitting study, the information provided was not subject to additional verification other than asking questions of clarification if any metrics were clearly different from those of other participants. Flares required some additional computational steps, as noted below.

The effective stack height and exit velocity presented in the below tables for each flare was determined using the guidance published by Alberta Environment in “Emergency/Process Upset Flaring Management: Modelling Guidance” (2003). This method involves computation of the buoyancy flux due to heat release in the flare. This buoyancy flux can then be used to back calculate equivalent stack dimensions after making assumptions about the temperature of the release and the stack velocity.

The model input parameters for the *SeaRose* FPSO are presented in Table 6.4.

Table 6.4 Source Input Parameters – SeaRose FPSO

Source	Stack Height above Sea Level (m)	Stack Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (°C)	NO _x Emission Rate (g/s)
Turbine 1	29.4	2.6	31.8	431	28.1
Turbine 2	29.4	2.6	31.8	431	28.1
Turbine 3	29.4	2.6	31.8	431	-
Boiler 1	29.4	0.95	14.8	326	0.26
Boiler 2	29.4	0.95	14.8	326	-
Flare System ¹	106.4	6.07	0.3	1000	0.19

Notes:

¹ Stack parameters provided for the flare are the effective stack height, diameter, velocity and temperature based on Alberta Environment guidance.

Normal operations of the turbines consist of two turbines operating and one in standby

Normal operations for the boilers consist of one boiler operating and the other in standby

Assumed negligible emissions from the combustion of diesel in the essential generators, ship engines & miscellaneous engines

The model input parameters for the *Terra Nova* FPSO are presented in Table 6.5.

Table 6.5 Source Input Parameters – Terra Nova FPSO

Source	Stack Height above Main Deck (m)	Stack Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (°C)	NO _x Emission Rate (g/s)
Turbine 1 ¹	28.3	3.2	41.37	544	38.9
Turbine 2 ¹	28.3	3.2	41.37	544	38.9
Key Service Generator 1	1.8	1.0	31.9	370	10.5
Key Service Generator 2	1.8	1.0	31.9	370	10.5
Boiler 1 ²	13.7	1.02	13.8	295	0.5
Boiler 2	13.7	1.02	13.8	295	-
Flare System ³	105.3	7.4	0.3	1000	2.3

Notes:

¹ Turbine 1 assumes a fuel gas to diesel consumption ratio of 97% to 3%; Turbine 2 assumes a fuel gas to diesel consumption ratio of 94% to 6%

² based on 50% load

³ Stack parameters provided for the flare are the effective stack height, diameter, velocity and temperature based on Alberta Environment guidance

Assumed negligible emissions from the combustion of diesel in the firewater pumps, lifeboats, pedestal cranes and emergency generators.

The model input parameters for the proposed Hebron Platform are presented in Table 6.6.

Table 6.6 Source Input Parameters – Hebron Platform

Source	Stack Height above Platform Deck (m)	Stack Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (°C)	NO _x Emission Rate (g/s)
Turbine 1 - Power Generation	47.0	2.0	31.5	427	39.2
Turbine 2 - Power Generation	47.0	2.0	31.5	427	39.2
Turbine 3 - Power Generation	47.0	2.0	31.5	427	39.2
Turbine 4 - Gas Compression	45.5	2.0	14.4	427	39.2
Turbine 5 - Gas Compression	45.5	2.0	14.4	427	39.2

Table 6.6 Source Input Parameters – Hebron Platform

Source	Stack Height above Platform Deck (m)	Stack Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (°C)	NO _x Emission Rate (g/s)
Flare System	146	1.4	20.0 ¹	1000	1.5

Notes:

All data presented above was acquired from the "Hebron Project Comprehensive Study" (2011).

¹ To be confirmed with operator

The model input parameters for the production phase of the Deep Panuke Platform are presented in Table 6.7.

Table 6.7 Source Input Parameters – Deep Panuke Platform

Source	Stack Height above Platform Deck (m)	Stack Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (°C)	NO _x Emission Rate (g/s)
Turbine 1	44.4	1.5	62.1	481	32.7
Turbine 2	44.4	1.5	62.1	481	32.7
Turbine 3	44.4	1.5	62.1	481	32.7
Turbine 4	44.4	1.5	62.1	481	-
Flare System ¹	108.2	12.6	0.2	1000	0.54

Notes:

¹ Stack parameters provided for the flare are the effective stack height, diameter, velocity and temperature based on Alberta Environment guidance; NO_x emissions based on US EPA AP-42 emission factors for flaring

Normal operation consists of three turbines operating at steady state and one in standby

Turbine emissions assume 100% load

6.2.4 Building Downwash

When a stack is attached or close to a building, the air flow around the building can cause separation vortices that cause downwash of the exhaust from the stack, commonly referred to as building downwash, or building wake effects. Although the offshore platforms are not “buildings” in a traditional sense, they are aerodynamic obstacles that cause the same effect. Only stacks that are about 2.5 times the building height are out of the influence of the building heights, thus it is likely that only flare emissions will be completely free of building wake effects. The US EPA Building Profile Input Program (BPIP) model was used to estimate building downwash effects based on stack and building information provided by the offshore operators for each existing and planned offshore installation.

Building downwash effects were calculated using the Plume Rise Model Enhancements (PRIME) algorithm.

The graphical representatives of the platforms and FPSOs used to calculate the downwash parameters are included in Appendix B. These figures are simplifications of the drawings and photographs of the actual facilities to find the bulk aerodynamic elements that would interact with the wind flow and possibly induce downwash in the lee of the structure.

6.2.5 Receptor Grids

For each modelling domain a sampling grid, nested grids and discrete receptors were incorporated.

For the Newfoundland offshore modelling domain, a sampling grid (set of gridded receptors) was positioned within the computational grid, covering an area of 95 km by 95 km. To avoid potential boundary effects, the sampling grid was set in a few kilometres from the edge of the computational grid. The receptor spacing for those receptors making up the sampling grid were set to 500 m. In addition to the sampling grid, a nested grid of receptors was developed and centered on each operation (i.e. SeaRose FPSO, Terra Nova FPSO and Hebron). The nested grids extended approximately 2 km from the operations, with receptor spacing's of 50 m within 500 m, 100 m between 500 and 1,000 m and 200 m within 2,000 m. In addition to the sampling and nested grids, several discrete receptor locations were also incorporated into the model, including each of the existing and planned offshore operations.

For the Nova Scotia offshore modelling domain, the receptor grid was positioned within the computational grid, covering a domain of 75 km by 75 km. This sampling grid was also set in a few kilometres from the edge of the computational grid to avoid potential boundary effects. The spacing of the sampling grid was set to 500 m. In addition to the sampling grid, a nested grid of receptors was centered around the Deep Panuke platform. This nested grid extended approximately 2 km from the operation with receptor spacing's of 50 m within 500 m, 100 m between 500 and 1,000 m and 200 m within 2,000 m. In addition one discrete receptor was included in this analysis, representing the production platform.

All receptor heights were set to sea-level (ground level). Note that the conventional terminology refers to ground level concentrations of air pollutants. In this domain, the receptors are at sea-level, however the more conventional term is used for consistency with other works and recognized terminology.

6.2.6 Chemical Transformation

As previously discussed, one of the tasks within the scope of this ESRF Project was to predict the maximum ground level concentrations of nitrogen oxide resulting from the normal operation of the offshore installations. As nitrogen oxides is a group of compounds, only one of which is a regulated air contaminant, it was later decided to predict ground level concentrations of nitrogen dioxide in order to compare the predicted values to regulatory standards and to avoid confusion that would arise in the interpretation of the report.

Several methods may be used to estimate the nitrogen dioxide concentration based on the emissions of nitrogen oxides. One of these methods is specified for acceptability by the Newfoundland Department of Environment and Conservation. Therefore, for the purposes of this study, oxides of nitrogen were modeled using the following methodology for chemical transformation, RIVAD scheme with ISOPROPIA equilibrium,

as per the methodology described in the Government of Newfoundland and Labrador Guidance Document titled "Guideline for Plume Dispersion Modelling", revised in 2012.

In the absence of in-stack emissions of NO and NO₂ for each of the offshore facilities, in-stack NO₂/NO_x ratios, as provided in the NL Modelling Guidance Document, were used to determine the emissions of NO and NO₂ for modelling. These values are provided in Table 6.8.

Table 6.8 Stack/Flare Emissions of NO and NO₂

Source	Emission Rate (g/s)	
	NO	NO ₂
SeaRose FPSO		
Turbine 1	11.24	16.86
Turbine 2	11.24	16.86
Boiler 1	0.234	0.026
Flare	0.171	0.019
Terra Nova FPSO		
Turbine 1	15.6	23.3
Turbine 2	15.6	23.3
Key Service Generator 1	8.4	2.1
Key Service Generator 2	8.4	2.1
Boiler 1	0.45	0.05
Flare	2.07	0.23
Hebron Platform		
Turbine 1	15.7	23.5
Turbine 2	15.7	23.5
Turbine 3	15.7	23.5
Turbine 4	15.7	23.5
Turbine 5	15.7	23.5
Flare	1.35	0.15
Deep Panuke Platform		
Turbine 1	13.08	19.62
Turbine 2	13.08	19.62
Turbine 3	13.08	19.62
Flare	0.486	0.054

6.2.7 Other CALPUFF Modelling Options

In addition to the parameters discussed in the previous sub-sections, a number of other modelling parameters were defined specific for this modelling, as per discussions with the TAG. Such parameters can be reviewed in the CALPUFF modelling input files included in Appendix C.

6.3 CALPOST

The output from the CALPUFF model was processed using CALPOST. CALPOST is the CALPUFF postprocessor designed to report concentrations or wet/dry deposition flux results based on the hourly data contained in the CALPUFF output file.

The most recent version of CALPOST, Version 6.292 – Level 110406 was used for this study.

6.3.1 Averaging Time Periods

The averaging time periods over which the modelling results were predicted are summarized in Table 6.9 for each offshore area.

Table 6.9 Averaging Time Periods Computed for NO₂ using CALPOST

Offshore Area	Modelling Scenario	1-Hour Average		24-Hour Average		Annual Average
		Maximum	9 th Highest	Maximum	2 nd Highest	
Grand Banks	Existing Operations	√	√	√	√	√
	Existing & Planned Operations	√	√	√	√	√
Scotian Shelf	Existing & Planned	√	√	√	√	√

Due to the potential for extreme, rate and transient meteorological data to be present within meteorological data sets many jurisdictions, including Newfoundland and Labrador, do not base compliance determination on maximum predicted concentrations. In the province of Newfoundland and Labrador, for example, compliance with the provincial Ambient Air Quality Standards is determined based on guidance provided in the following document, “Determination of Compliance with the Ambient Air Quality Standards” (revised 2012). This document states, among other things, that “Compliance for modelled impact for any given year will be based on the:

- 9th highest level at any given receptor for 1-hour averaging period; and
- 2nd highest level at any given receptor for 24-hour averaging period”.

Therefore, in addition to computing the maximum predicted ground level concentrations for each averaging time period for this study, the 9th highest for the 1-hour period and the 2nd highest for the 24-hour period over the one year meteorological data set were also predicted.

7.0 Quality Assurance Quality Control

Throughout the modelling study, quality assurance and quality control procedures were applied to ensure the prediction of reliable and accurate concentration data. These procedures were performed at several stages during the Project to ensure the generation of valid results.

The Quality Assurance and Quality Control (QAQC) procedures performed as a component of this project included the following:

- Senior review of all emission estimate calculations;
- Exporting of modelling domains and sources of emissions from the Lakes Environmental CALPUFF Interface to Google Earth to verify locations;
- Viewing all sources of emissions and platform/FPSO building information using the Lakes Environmental 3D tool to ensure proper placement and dimensions;
- Stantec internal senior review of all model input and output files (CALMET, CALPUFF and CALPOST);
- TAG review of the Project methodology and model input files; and
- Stantec internal senior review of all results, analysis and reporting.

8.0 Study Results

8.1 OFFSHORE NEWFOUNDLAND AND LABRADOR

8.1.1 Existing Operations

The predicted ground level concentrations resulting from the normal operation of the SeaRose and Terra Nova FPSO's are summarized in Table 8.1.

Table 8.1 Predicted Ground Level Concentrations from the Existing Operations Offshore NL

Receptor Location	UTM Coordinates (m)		1-Hour ($\mu\text{g}/\text{m}^3$)		24-Hour ($\mu\text{g}/\text{m}^3$)		Annual ($\mu\text{g}/\text{m}^3$)
	Easting	Northing	Maximum	9 th Highest	Maximum	2 nd Highest	Maximum
Maximum	693517	5150262	2,437	1,938	1,058	682	-
	693567	5150262	-	-	-	-	62

Table 8.1 Predicted Ground Level Concentrations from the Existing Operations Offshore NL

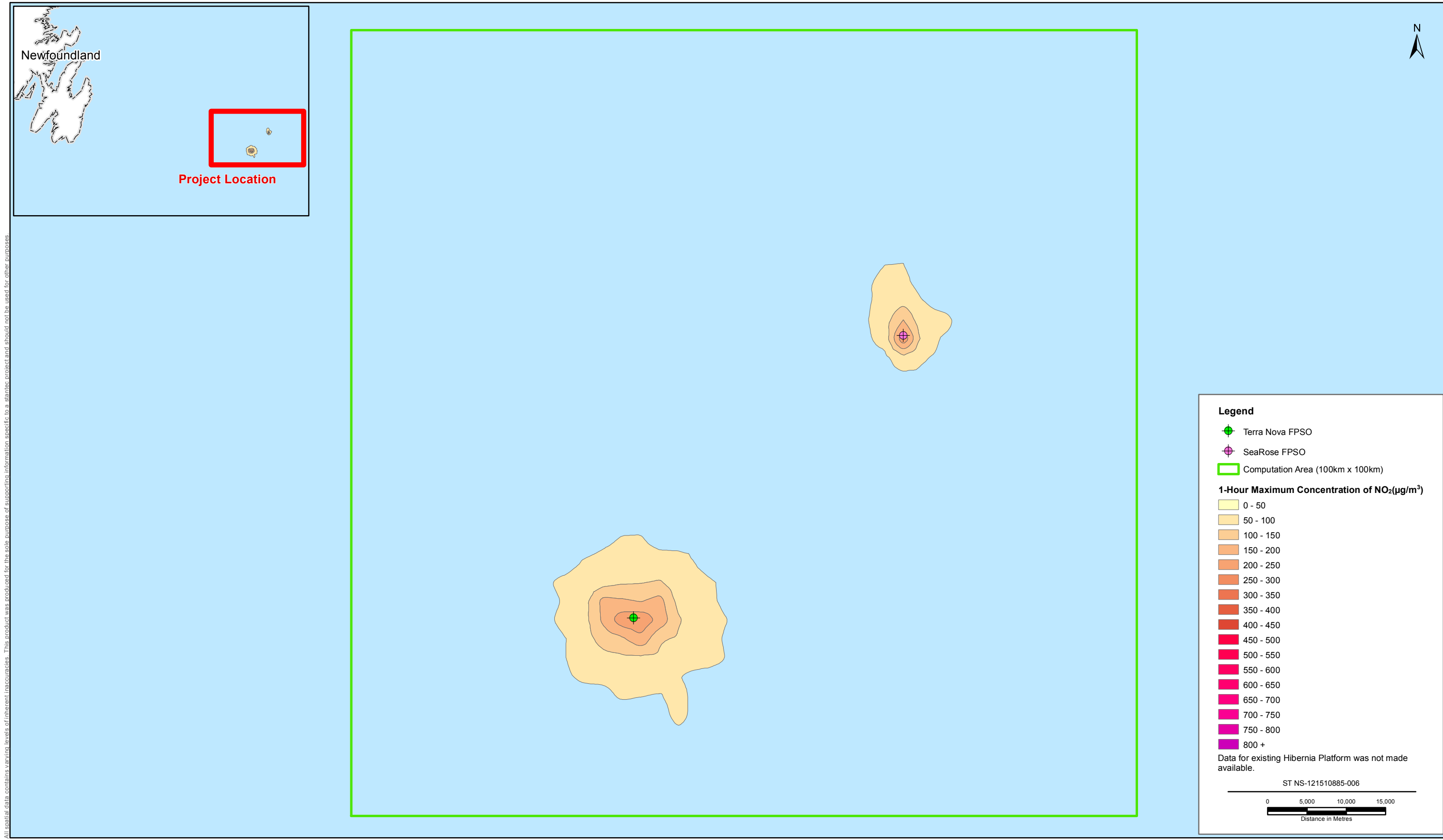
Receptor Location	UTM Coordinates (m)		1-Hour ($\mu\text{g}/\text{m}^3$)		24-Hour ($\mu\text{g}/\text{m}^3$)		Annual ($\mu\text{g}/\text{m}^3$)
	Easting	Northing	Maximum	9 th Highest	Maximum	2 nd Highest	Maximum
SeaRose FPSO	727796	5186068	273	243	121	105	3.98
Terra Nova FPSO	693429	5150094	351	302	154	109	5.20
Onshore Air Quality Criteria			400	400	200	200	100

As shown above in Table 8.1 the maximum predicted 1-hour, 24-hour and annual ground level concentrations of NO_2 at each of the existing installations meet the onshore air quality criteria as specified in Section 3.2.

The maximum predicted 1-hour ground level concentrations and 9th highest 1-hour concentrations predicted for the normal operation of the existing offshore oil installations offshore Newfoundland are graphically presented in Figures 8.1 and 8.2.

The maximum and 9th highest 1-hour predicted ground level concentrations of NO_2 as presented in Table 8.1 were $2,437 \mu\text{g}/\text{m}^3$ and $1,938 \mu\text{g}/\text{m}^3$, respectively. Both predictions occurred at the same location, immediately north-west of the Terra Nova FPSO, approximately 15 m away. This proximity of the maximum concentration is clear evidence that the maximum occurs during a stack-downwash condition that would decrease rapidly with distance from the facility. As shown in Figures 8.1 and 8.2 however, the predicted concentrations of NO_2 meet the 1-hour onshore air quality criteria within 500 m or less from the installations.

The maximum predicted 24-hour ground level concentrations and 2nd highest predicted 24-hour concentrations for the normal operation of the existing offshore oil and gas installations offshore Newfoundland are graphically presented in Figures 8.3 and 8.4.




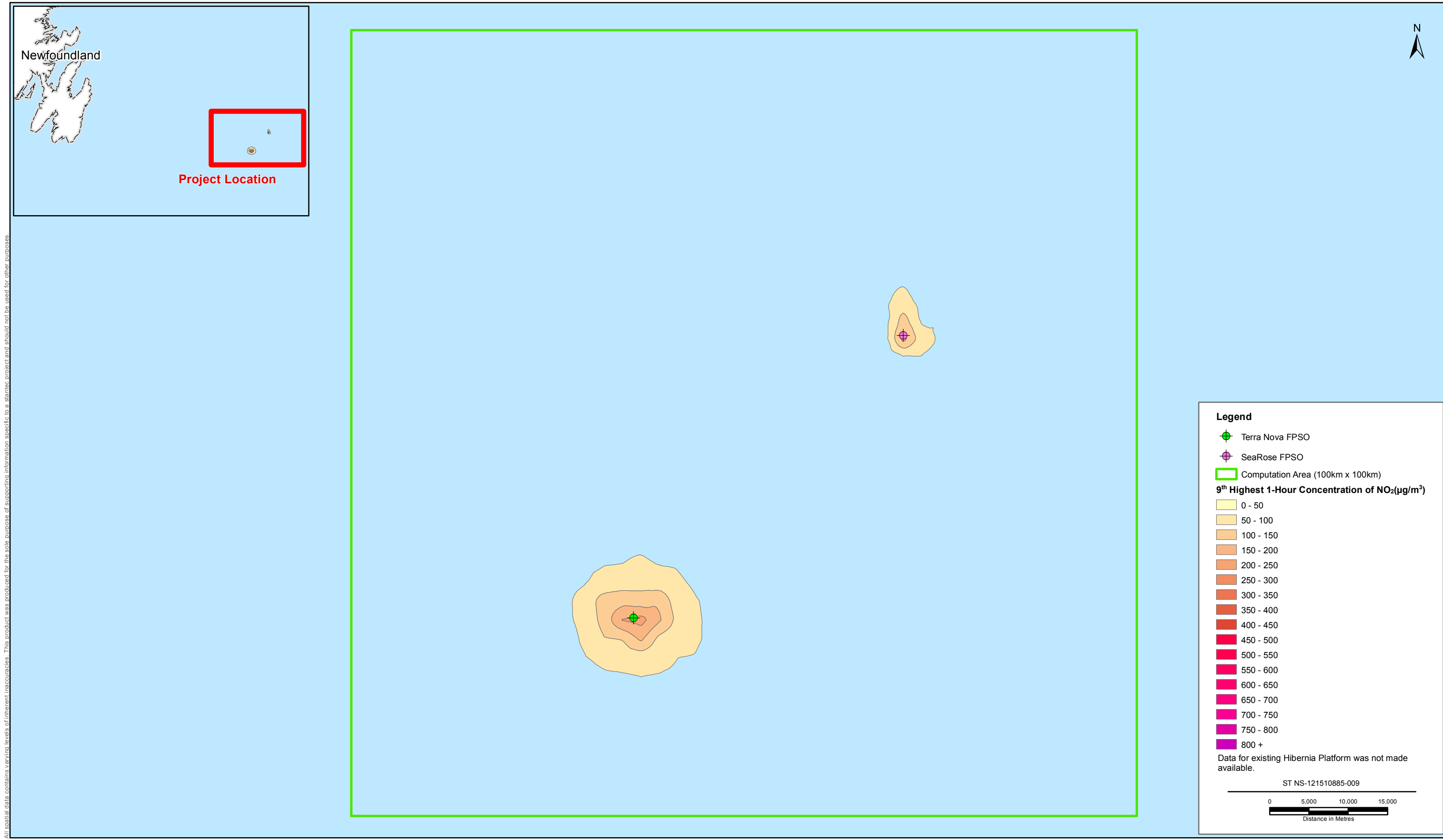
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing Operations)

FIGURE NO.:	8.1
DATE:	May 15, 2013
 Stantec	



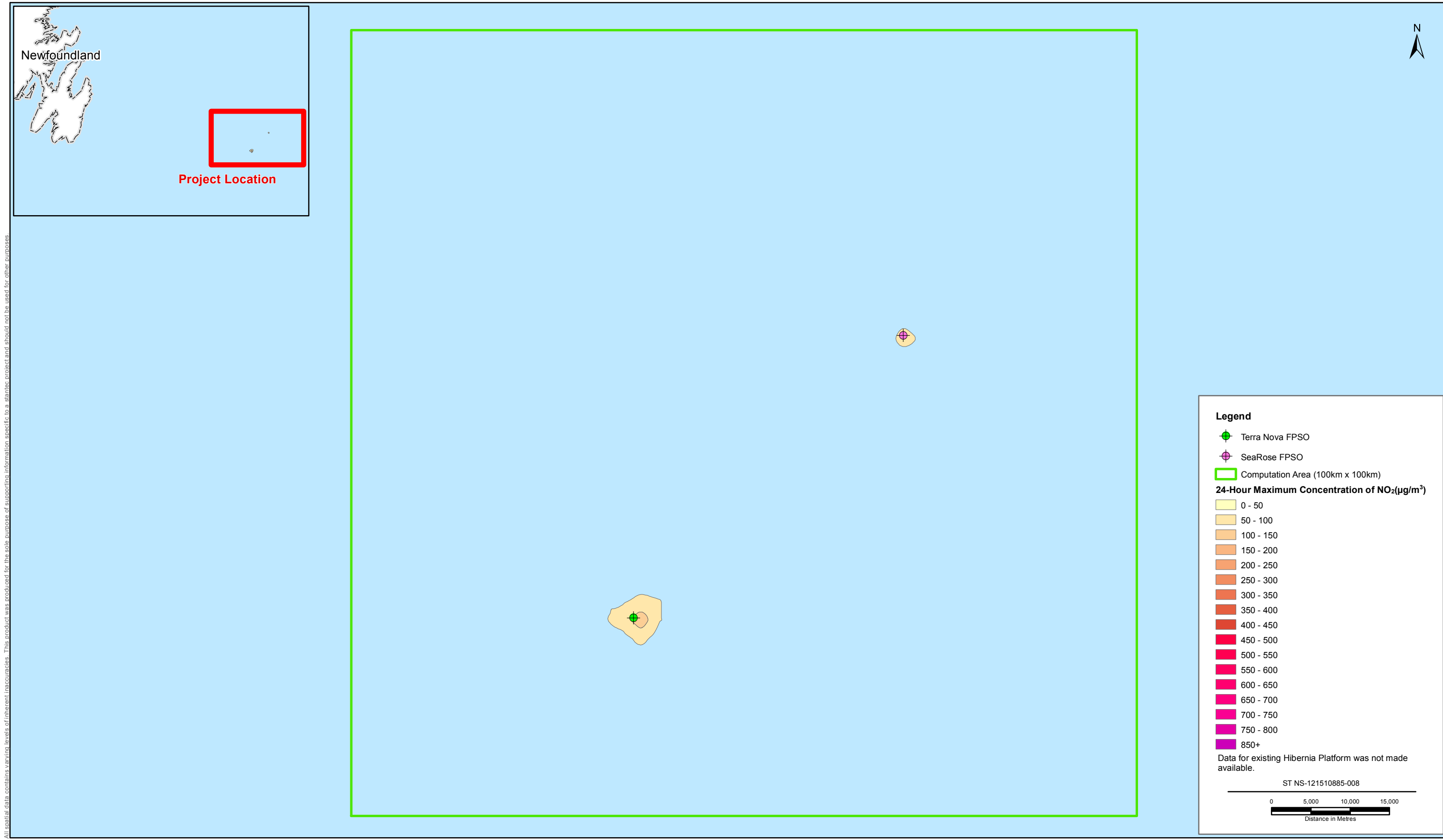
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

9th Highest Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing Operations)

FIGURE NO.: 8.2
DATE: May 15, 2013




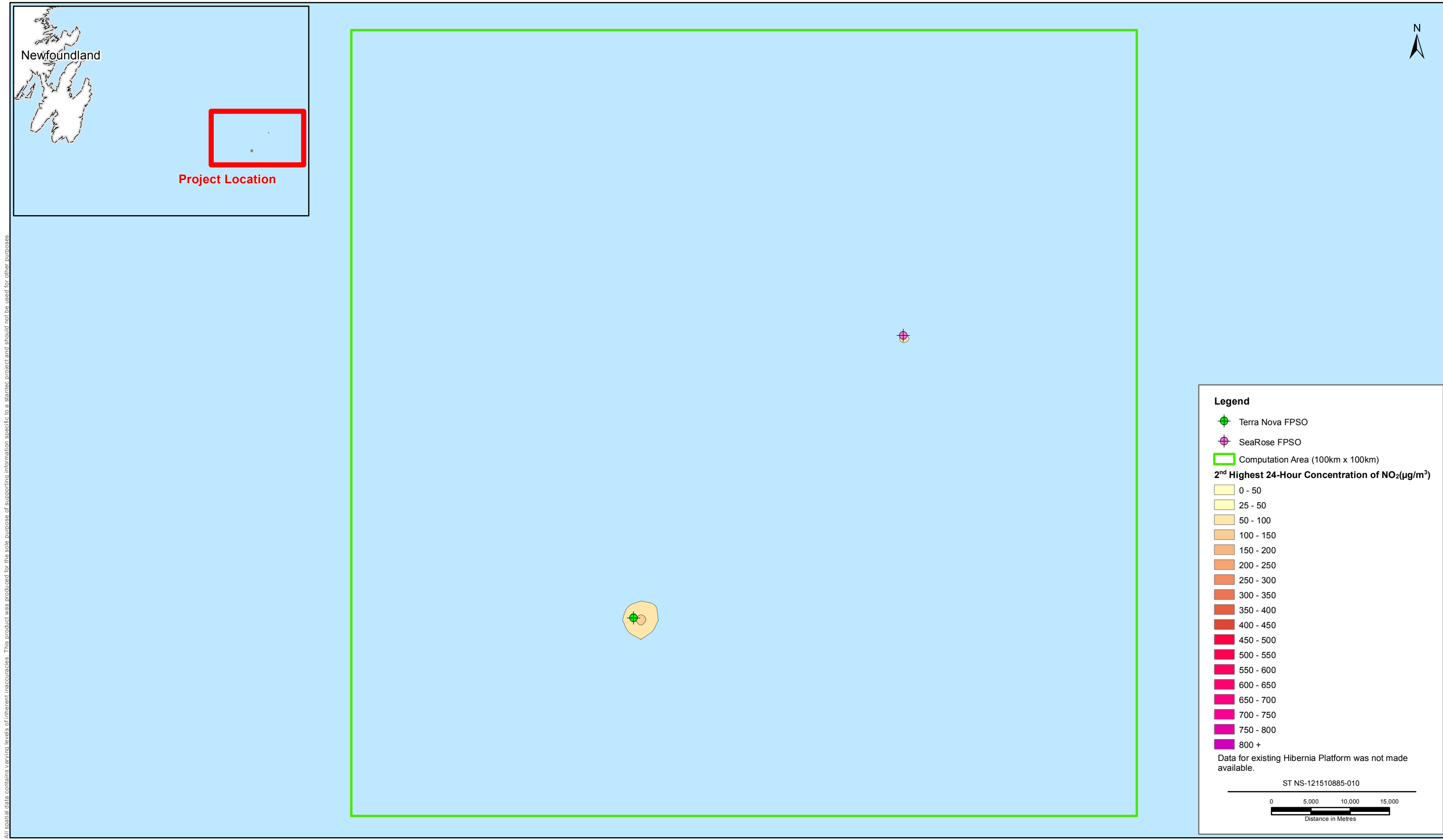
All spatial data contains varying levels of inherent inaccuracies. This product was produced for the sole purpose of supporting information specific to a stantec project and should not be used for other purposes.

PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing Operations)

FIGURE NO.:	8.3
DATE:	May 15, 2013
 Stantec	




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REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

2nd Highest Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing Operations)

FIGURE NO.:	8.4
DATE:	May 15, 2013
 Stantec	

The maximum and 2nd highest 24-hour predicted ground level concentrations, of 1,058 µg/m³ and 682 µg/m³, occurred at the same location as the maximum 1-hour and 9th highest just north-west of the Terra Nova FPSO. As shown in Figures 8.3 and 8.4, the maximum predicted 24-hour concentrations and 2nd highest 24-hour concentrations meet the onshore air quality criteria, of 200 µg/m³, within 500 m of each installation.

The maximum predicted annual ground level concentrations for the normal operation of the existing oil installations offshore Newfoundland are graphically presented in Figure 8.5.

The overall maximum annual predicted ground level concentration, of 62 µg/m³, occurred immediately northeast of the Terra Nova FPSO, approximately 15 m away. As presented in Figure 8.5, the maximum annual ground level concentrations of NO₂ predicted from the normal operation of the existing offshore oil installations all fell below the onshore air quality criteria of 100 µg/m³ for the annual time period.

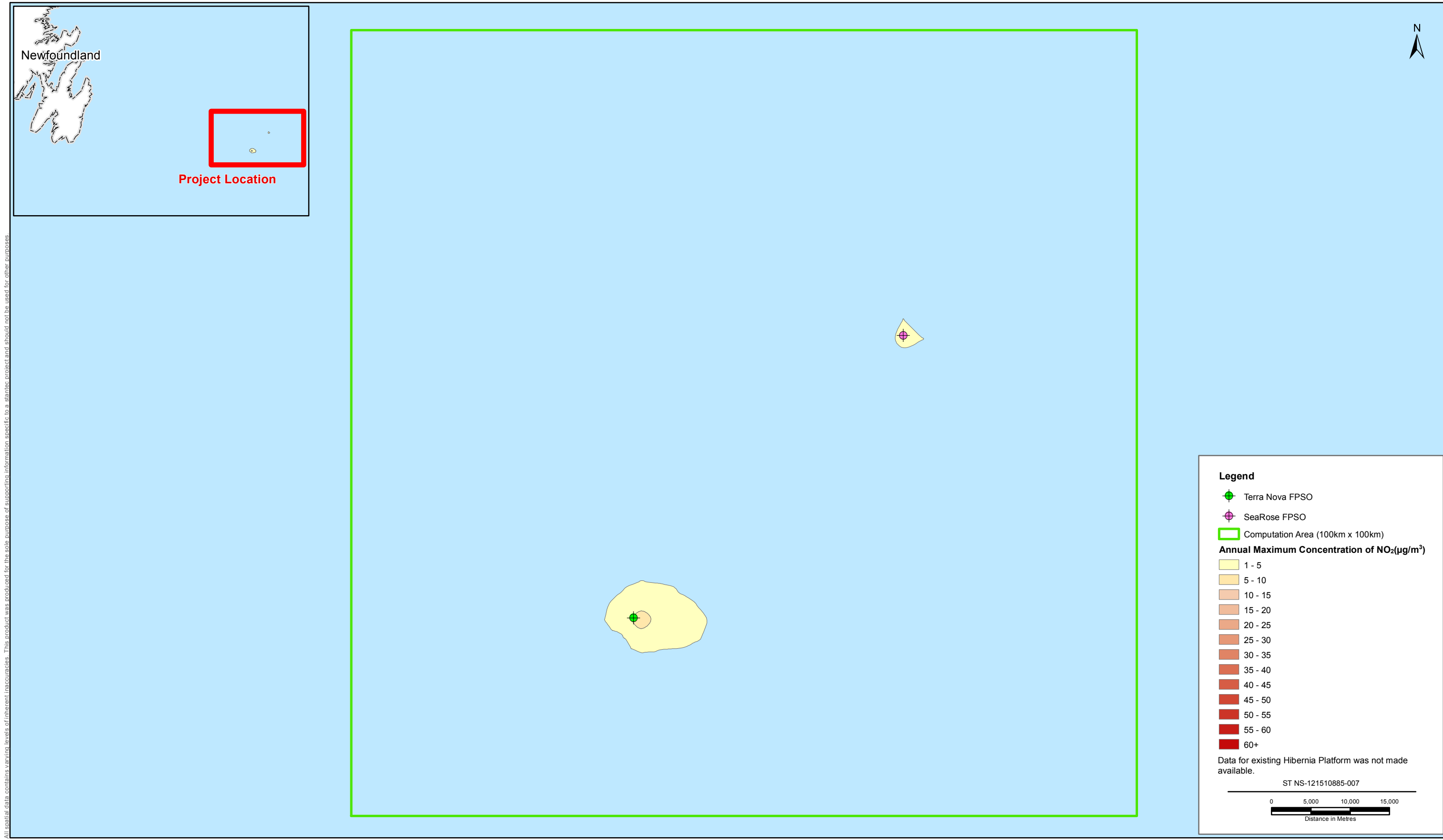
8.1.1 Existing and Planned Operations

The predicted ground level concentrations resulting from the normal operation of the SeaRose FPSO, the Terra Nova FPSO and the planned Hebron Platform are summarized in Table 8.2.

Table 8.2 Predicted Ground Level Concentrations from the Existing and Planned Operations Offshore NL

Receptor Location	UTM Coordinates (m)		1-Hour (µg/m ³)		24-Hour (µg/m ³)		Annual (µg/m ³)
	Easting	Northing	Maximum	9 th Highest	Maximum	2 nd Highest	Maximum
Maximum	693517	5150262	2,386	1,944	-	-	-
	693042	5158525	-	-	1,627	1,526	318
SeaRose FPSO	727796	5186068	275	246	123	108	4.32
Terra Nova FPSO	693429	5150094	350	301	155	109	6.01
Hebron Platform	692940	5158499	1,285	1,254	776	701	54
Onshore Air Quality Criteria			400	400	200	200	100

As shown above in Table 8.2 the maximum predicted 1-hour, 24-hour and annual ground level concentrations of NO₂ at both the SeaRose FPSO and the Terra Nova FPSO meet the onshore air quality criteria as specified in Section 3.2 for each time averaging period. The ground level concentrations predicted for the Hebron Platform exceeded both the 1-hour and 24-hour onshore air quality criteria, but fall below the onshore annual average limit.




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REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted Annual Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing Operations)

FIGURE NO.:	8.5
DATE:	May 15, 2013
 Stantec	

The maximum predicted 1-hour ground level concentrations and 9th highest 1-hour concentrations predicted for the normal operation of the existing and planned offshore oil installations offshore Newfoundland are graphically presented in Figures 8.6 and 8.7.

The overall maximum 1-hour predicted concentration of NO₂ (2,386 µg/m³) for the normal operation of the existing and planned oil installations offshore Newfoundland occurred just north-west of the Terra Nova FPSO, approximately 15 m away. The overall 9th highest predicted concentration for the 1-hour time period, of 1,944 µg/m³, occurred at the same location.

Predicted maximum concentrations of NO₂ fell below the onshore ambient air quality criteria of 400 µg/m³ within 3 km from the Hebron Platform and within 500 m of the Terra Nova FPSO. The maximum predicted 1-hour concentrations surrounding the SeaRose FPSO all fell below the 1-hour onshore ambient air quality criteria for NO₂.

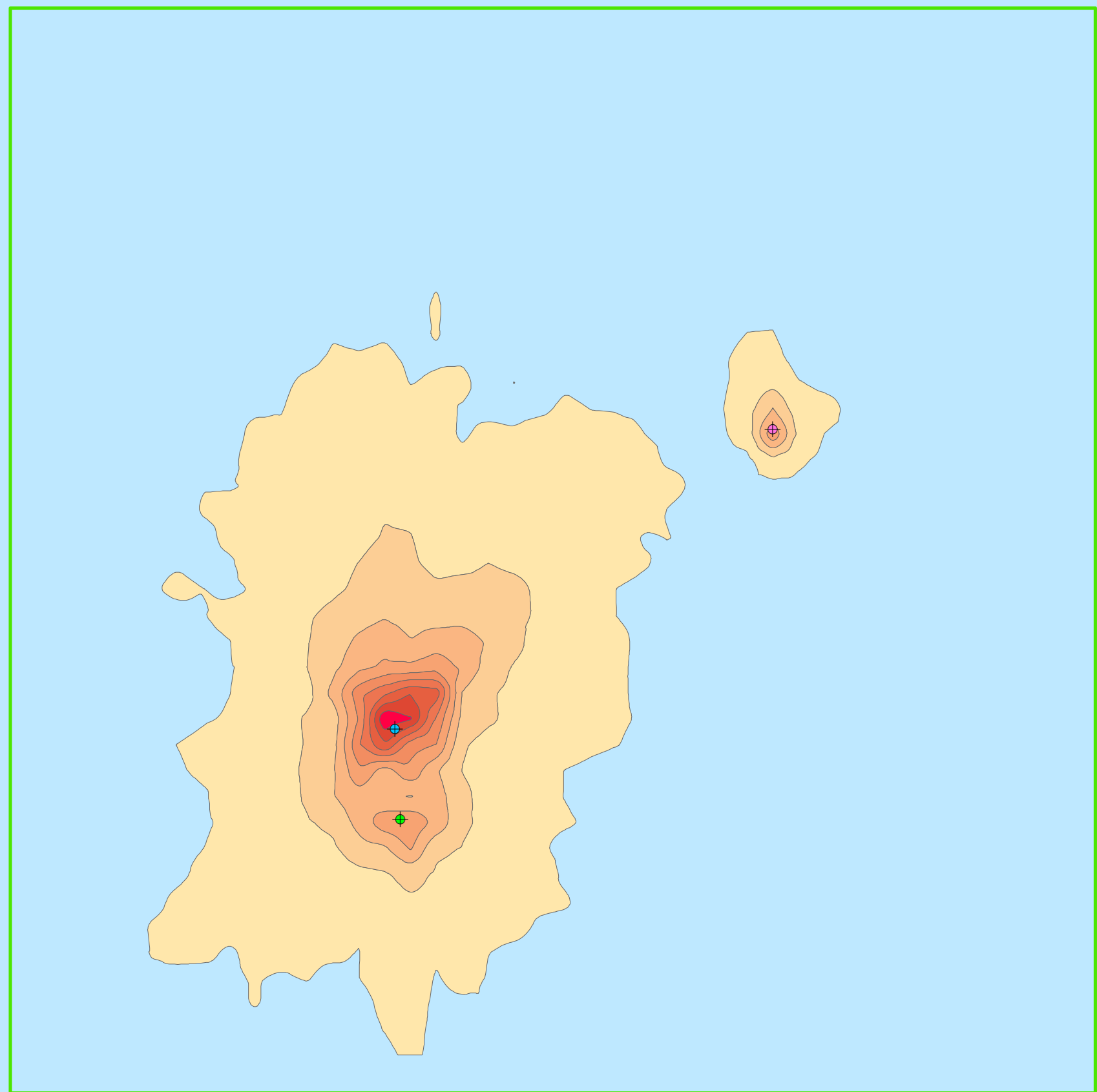
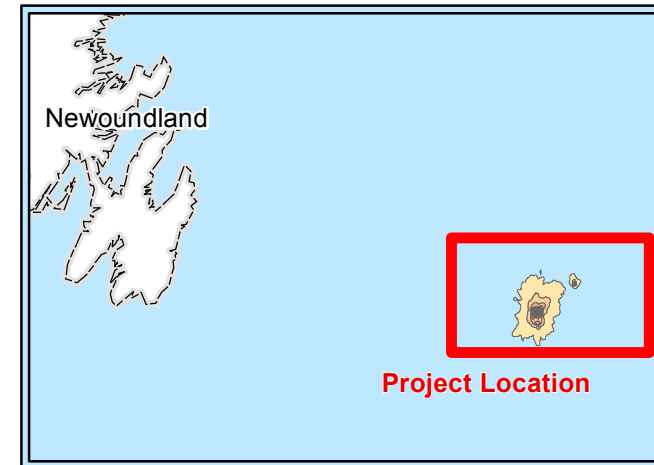
The maximum predicted 24-hour ground level concentrations and 2nd highest 24-hour concentrations predicted for the normal operation of the existing and planned offshore oil installations offshore Newfoundland are graphically presented in Figures 8.8 and 8.9.

The overall maximum predicted 24-hour and 2nd highest 24-hour predicted ground level concentrations, of 1,627 µg/m³ and 1,526 µg/m³, for the normal operation of the existing and planned oil installations offshore Newfoundland occurred at the Hebron Platform.

The 24-hour maximum predicted concentrations of NO₂ fell below the 24-hour onshore air quality criteria, of 200 µg/m³, within 2.5 km of the Hebron Platform and within 0.7 km of the Terra Nova FPSO. Based on the 2nd highest predicted 24-hour predictions, concentrations of NO₂ fell below the onshore air quality criteria within 0.3 km for the Terra Nova FPSO and within 2.2 km from the Hebron Platform. The maximum predicted 24-hour and 2nd highest predicted concentrations of NO₂ surrounding the SeaRose FPSO all fell below the 24-hour onshore air quality criteria.

The maximum predicted annual ground level concentrations for the normal operation of the existing and planned offshore oil installations offshore Newfoundland are graphically presented in Figure 8.10.

The maximum predicted annual concentration of NO₂ resulting from the normal operation of existing and planned oil installations offshore Newfoundland, as presented in Table 8.2, was 318 µg/m³. This concentration was predicted at the Hebron Platform. The maximum predicted annual concentrations surrounding the Hebron Platform fell below the onshore air quality criteria within 75 m of the installation. The maximum annual predicted ground level concentrations surrounding both of the Terra Nova FPSO and the SeaRose FPSO all fell below the onshore air quality criteria of 100 µg/m³.



Legend

- Hebron Platform
- Terra Nova FPSO
- SeaRose FPSO
- Computation Area (100km x 100km)

1-Hour Maximum Concentration of NO₂(µg/m³)

- 0 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 - 500
- 500 - 550
- 550 - 600
- 600 - 650
- 650 - 700
- 700 - 750
- 750 - 800
- 800 +

Data for existing Hibernia Platform was not made available.

ST NS-121510885-011

Distance in Metres

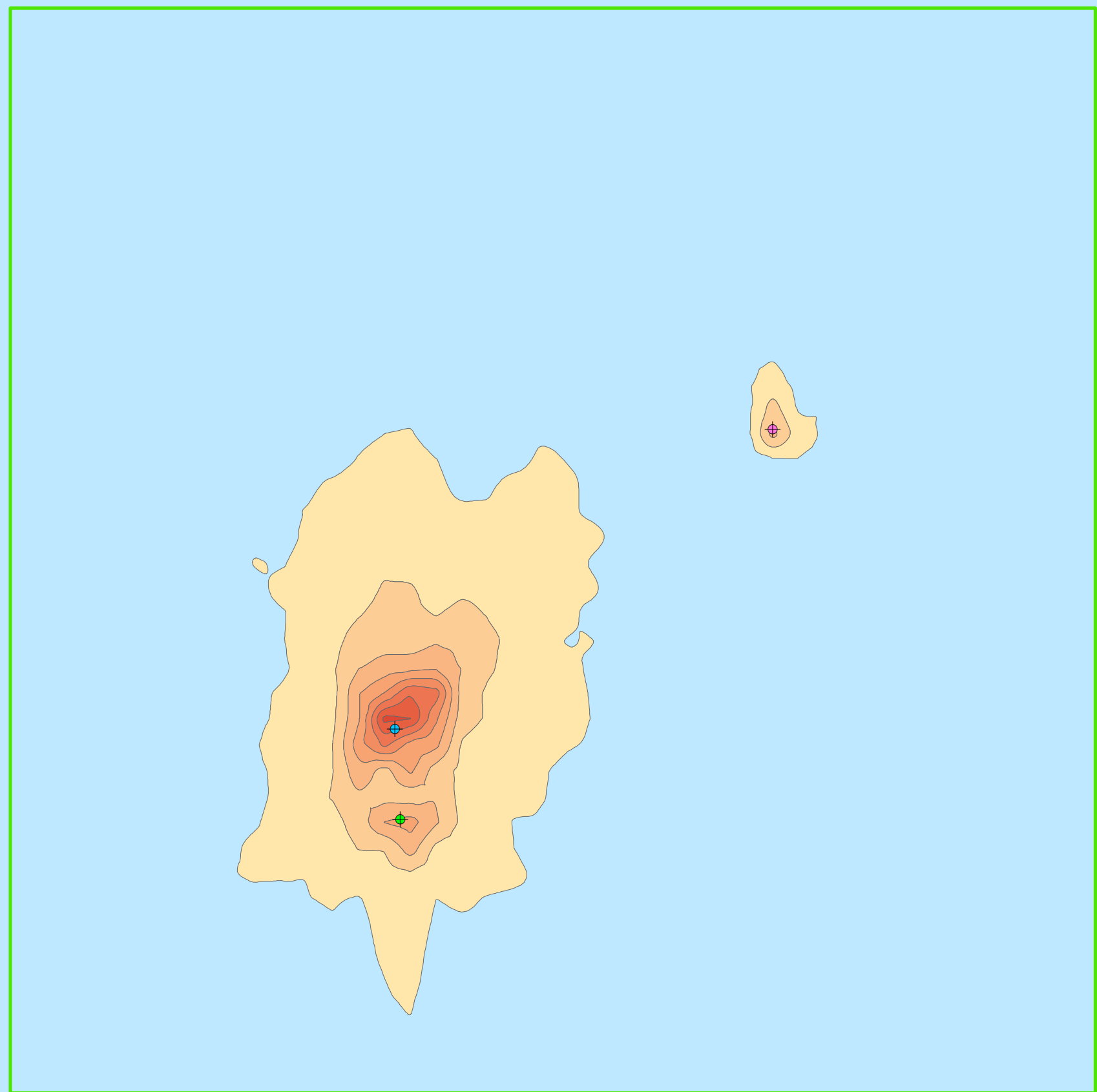
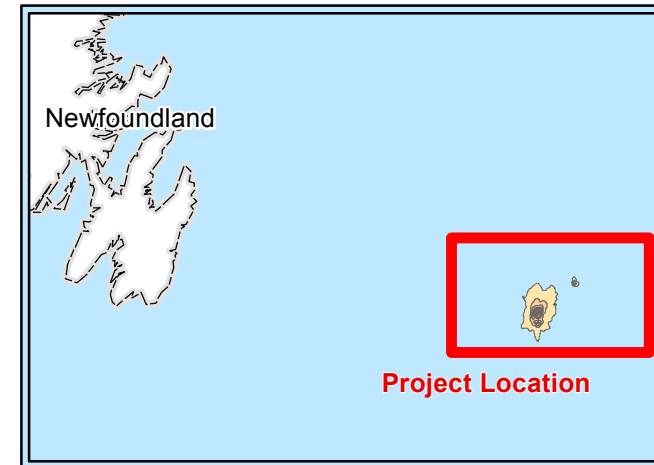
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

**Maximum Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³)
Offshore Newfoundland and Labrador (Existing and Planned Operations)**

FIGURE NO.:	8.6
DATE:	May 15, 2013



Legend

- Hebron Platform
- Terra Nova FPSO
- SeaRose FPSO
- Computation Area (100km x 100km)

9th Highest 1-Hour Concentration of NO₂ (µg/m³)

- 0 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 - 500
- 500 - 550
- 550 - 600
- 600 - 650
- 650 - 700
- 700 - 750
- 750 - 800
- 800 +

Data for existing Hibernia Platform was not made available.

ST NS-121510885-014

Distance in Metres

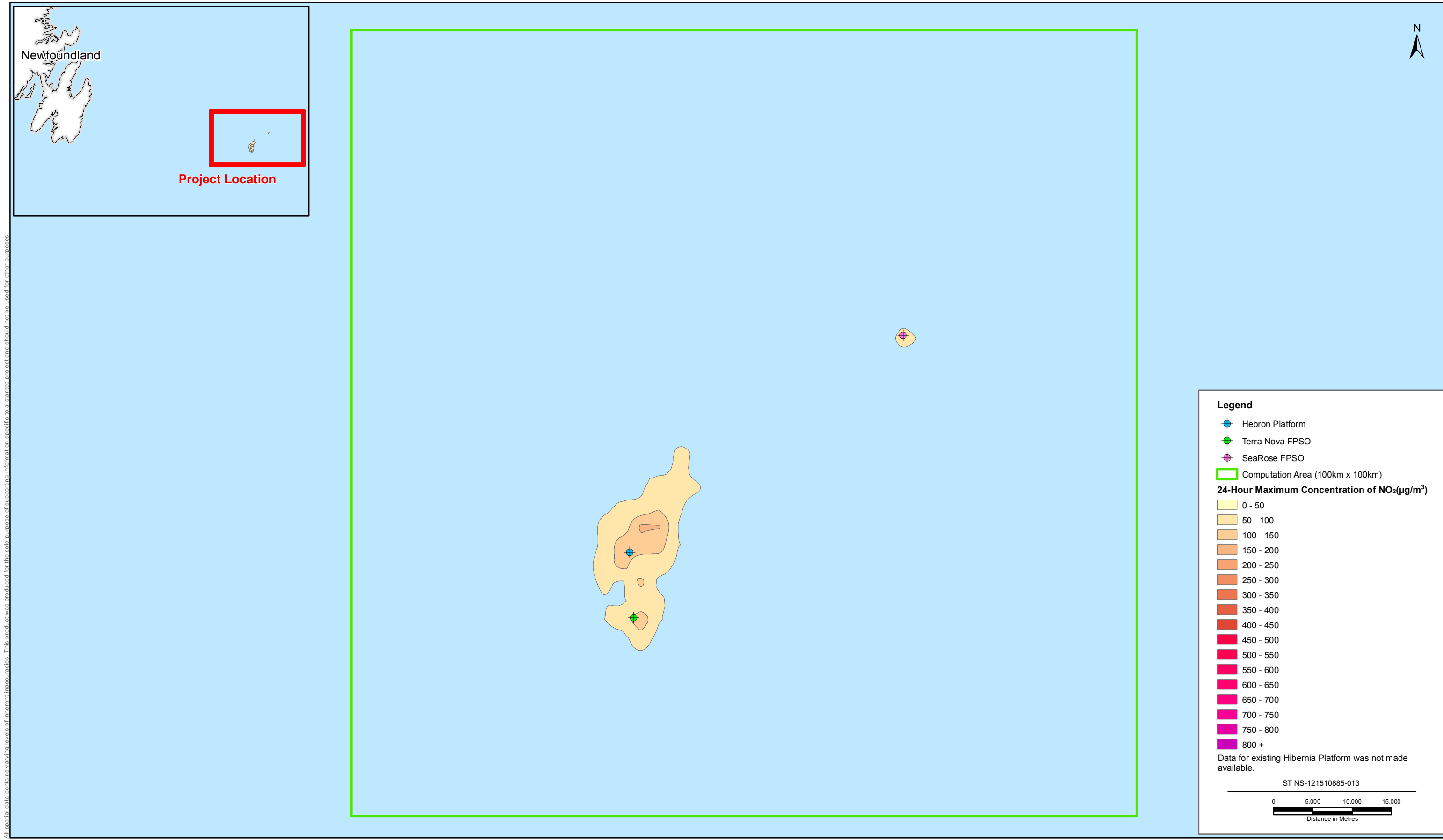
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

**9th Highest Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³)
Offshore Newfoundland and Labrador (Existing and Planned Operations)**

FIGURE NO.: 8.7
DATE: May 15, 2013




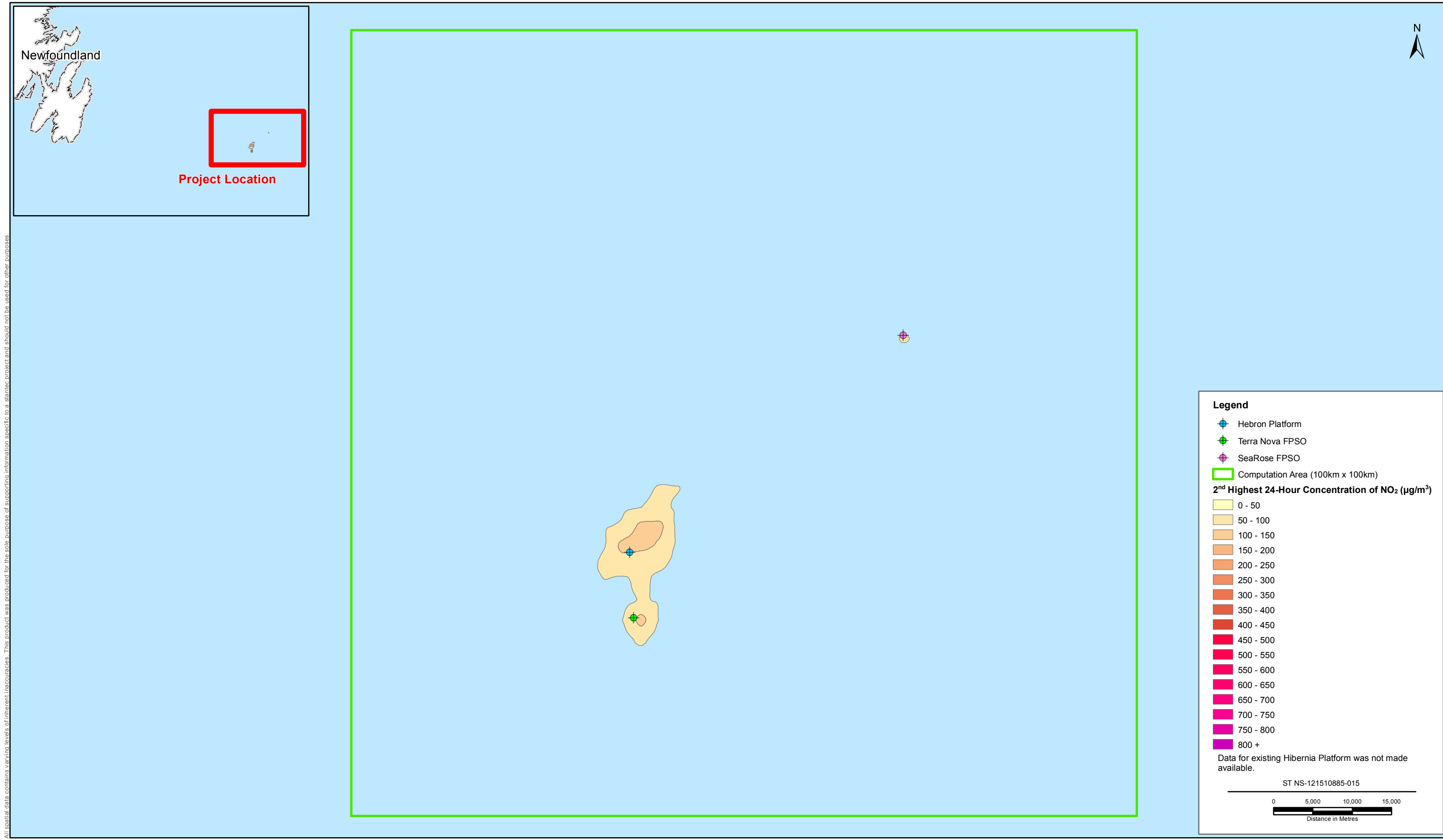
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing and Planned Operations)

FIGURE NO.:	8.8
DATE:	May 15, 2013
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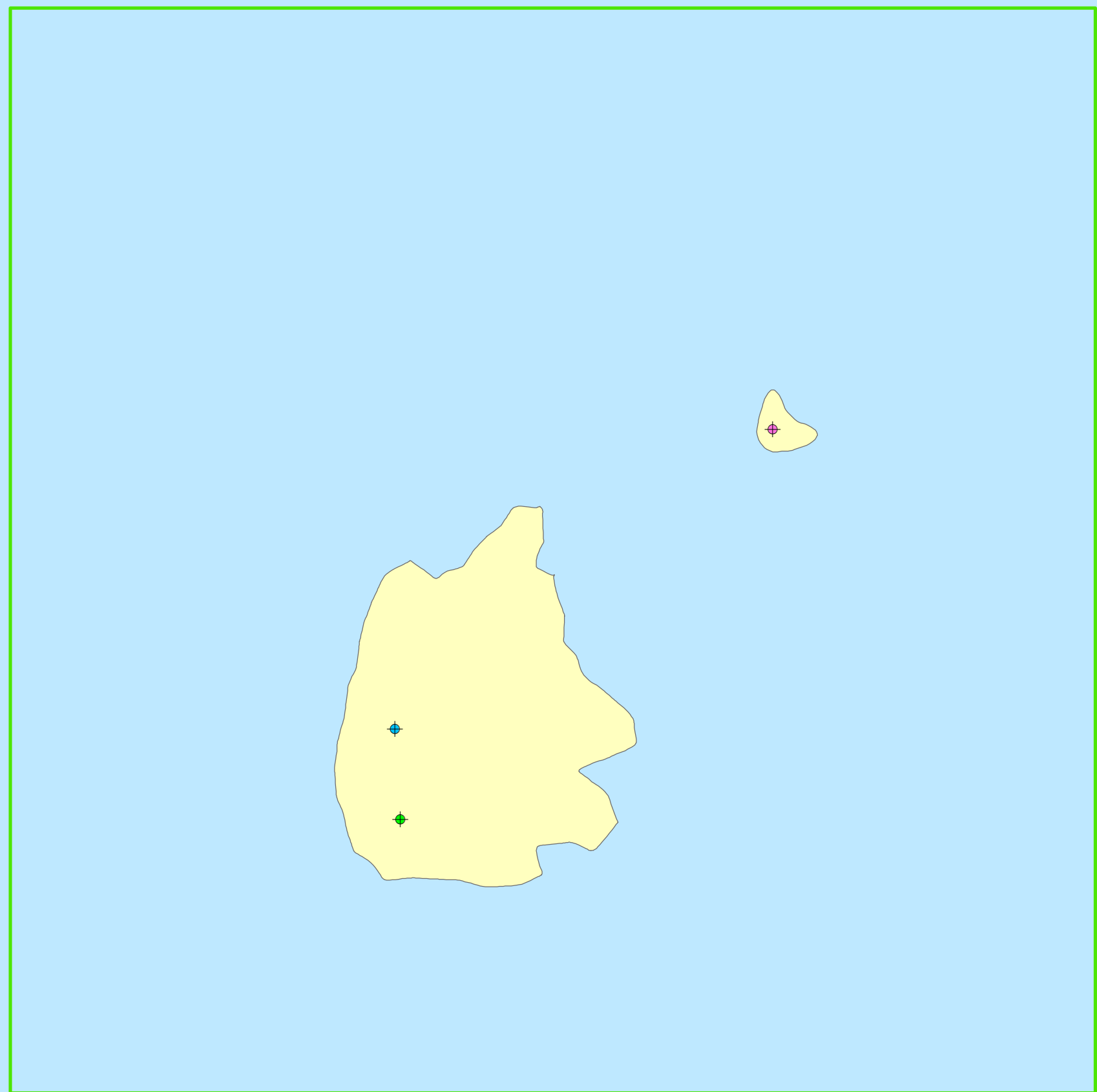
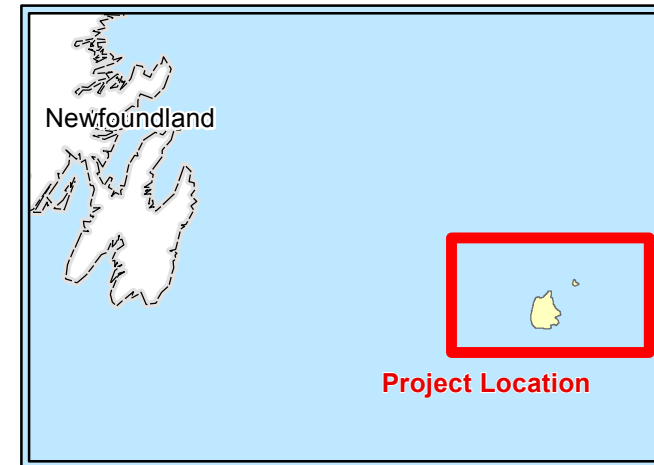
All spatial data contains varying levels of inherent inaccuracies. This product was produced for the sole purpose of supporting information specific to a startec project and should not be used for other purposes.

PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

2nd Highest Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing and Planned Operations)

FIGURE NO.:	8.9
DATE:	May 15, 2013
 Stantec Consulting Ltd. © 2013	



Legend

- Hebron Platform
- Terra Nova FPSO
- SeaRose FPSO
- Computation Area (100km x 100km)

Annual Maximum Concentration of NO₂ (µg/m³)

- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 +

Data for existing Hibernia Platform was not made available.

ST NS-121510885-012

Distance in Metres

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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted Annual Ground Level Concentration of NO₂ (µg/m³) Offshore Newfoundland and Labrador (Existing and Planned Operations)

FIGURE NO.:	8.10
DATE:	May 15, 2013

8.2 OFFSHORE NOVA SCOTIA

8.2.1 Existing Operations

As discussed in Section 6.2.2 no data was provided for the Sable Offshore Energy Project, and therefore there are no results to report for the scenario involving existing operations offshore Nova Scotia.

8.2.2 Existing and Planned Operations

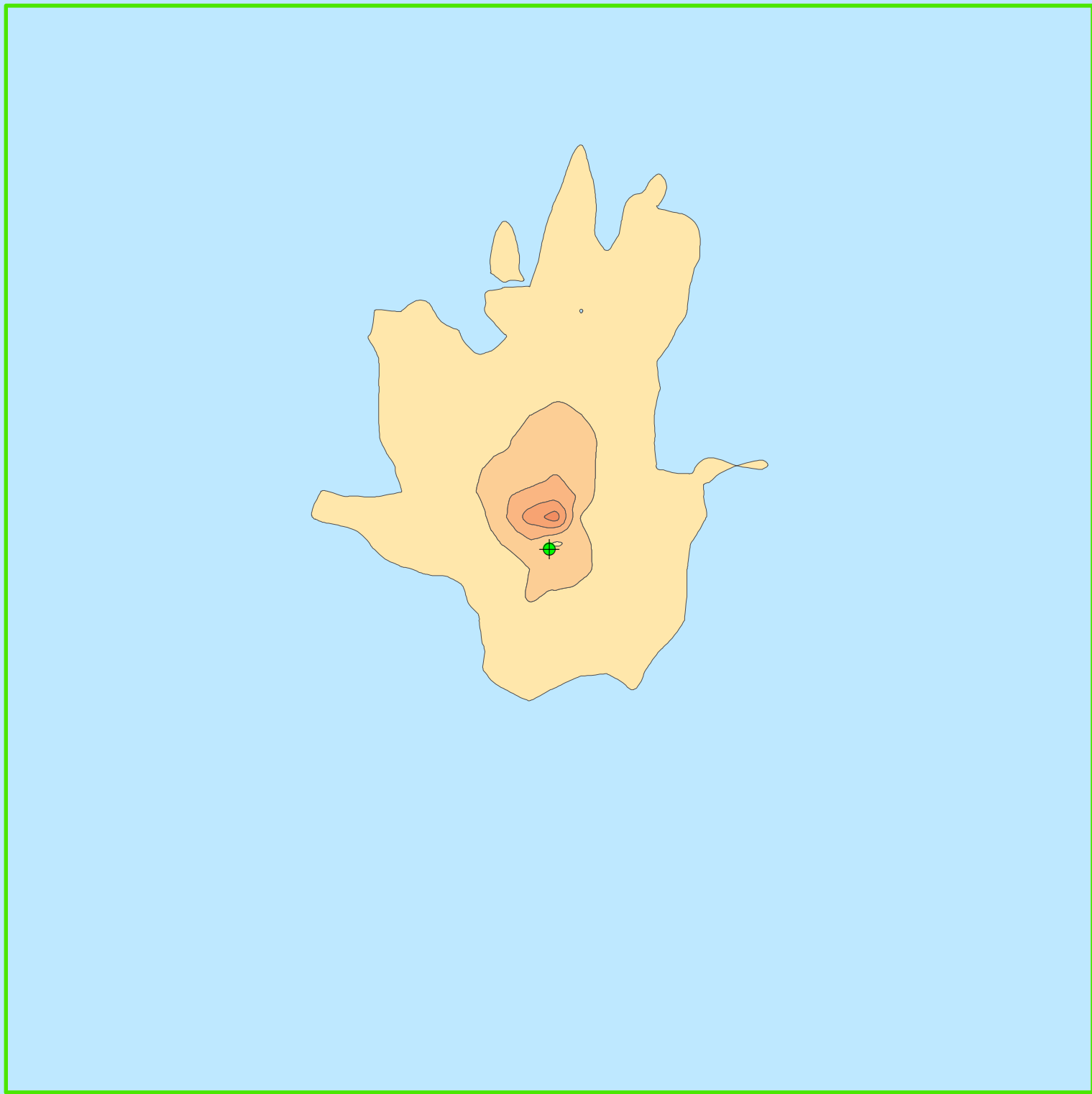
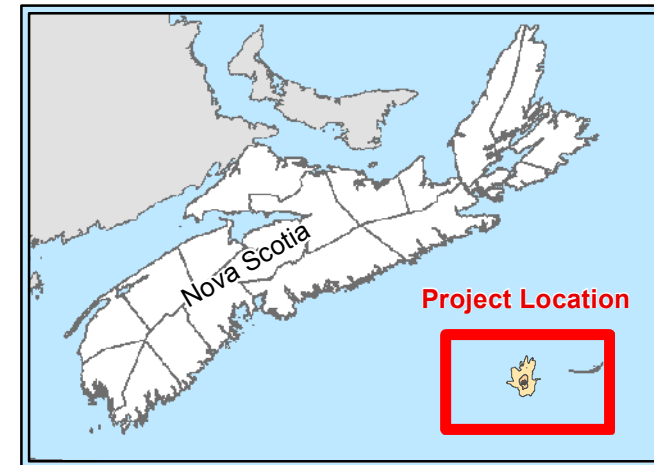
The predicted ground level concentrations resulting from the normal operation of the Deep Panuke Platform are summarized in Table 8.3.

Table 8.3 Predicted Ground Level Concentrations from the Operation of the Deep Panuke Platform

Receptor Location	UTM Coordinates (m)		1-Hour ($\mu\text{g}/\text{m}^3$)		24-Hour ($\mu\text{g}/\text{m}^3$)		Annual ($\mu\text{g}/\text{m}^3$)
	Easting	Northing	Maximum	9 th Highest	Maximum	2 nd Highest	Maximum
Maximum	685972	4853791	453	343	-	-	5.1
	686422	4853441	-	-	227	-	-
	686472	4853441	-	-	-	181	-
Deep Panuke Platform	685975	4853711	323	187	117	66	1.1
Onshore Air Quality Criteria			400	400	200	200	100

As shown above in Table 8.3 the maximum predicted 1-hour, 24-hour and annual ground level concentrations of NO_2 at each the Deep Panuke Platform meet the onshore air quality criteria as specified in Section 3.2.

The maximum predicted 1-hour ground level concentrations and 9th highest 1-hour concentrations of NO_2 predicted for the normal operation of the Deep Panuke installation offshore Nova Scotia are graphically presented in Figures 8.11 and 8.12.



Legend

- Deep Panuke Platform
- Computation Area (80km x 80km)

1-Hour Maximum Concentration of NO₂(µg/m³)

- 0 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 +

Data for the existing Sable Offshore Energy Project was not made available

ST NS-121510885-001

Distance in Metres

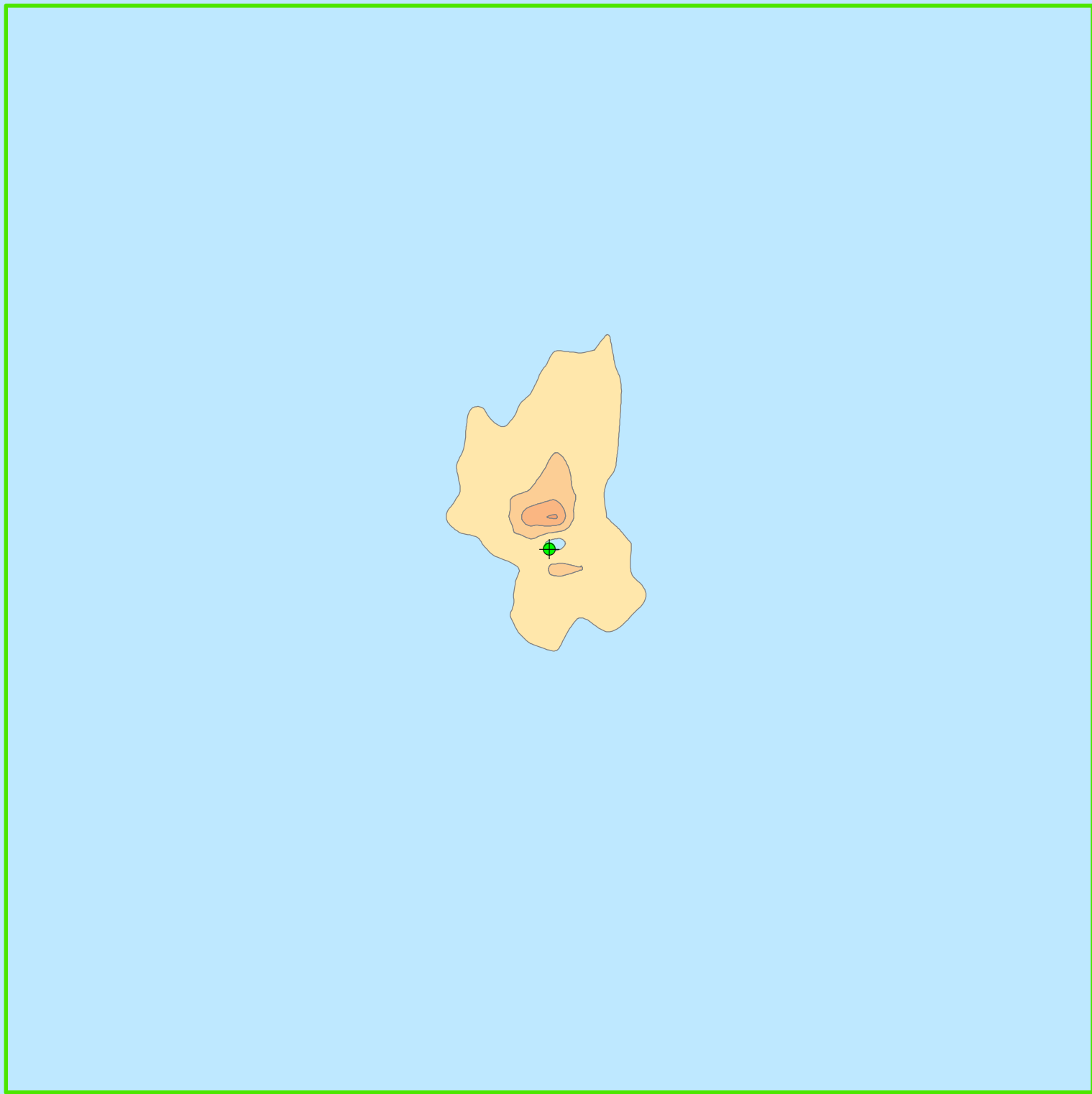
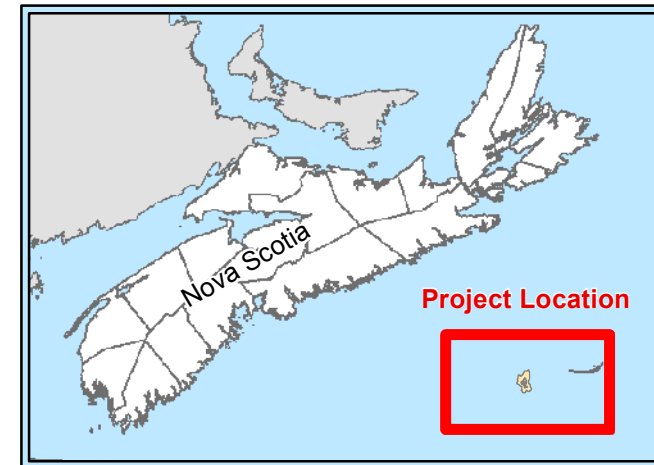
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PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

**Maximum Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³)
Offshore Nova Scotia (Existing and Planned Operations)**

FIGURE NO.:	8.11
DATE:	May 15, 2013



Legend

- Deep Panuke Platform
- Computation Area (80km x 80km)

9th Highest 1-Hour Concentration of NO₂(µg/m³)

- 0 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 +

Data for the existing Sable Offshore Energy Project was not made available

ST NS-121510885-004

Distance in Metres

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REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

9th Highest Predicted 1-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Nova Scotia (Existing and Planned Operations)

FIGURE NO.:	8.12
DATE:	May 15, 2013

The overall maximum predicted ground level concentration of NO₂ resulting from the normal operation of the Deep Panuke Platform, of 453 µg/m³, occurred just north of the platform, approximately 10 m away. This is a clear case of downwash due to the platform structure. The 9th highest predicted ground level concentration of NO₂ occurred at the same location and fell below the 1-hour onshore air quality criteria of 400 µg/m³. Within 25 m or less of the platform all predicted concentrations of NO₂ meet the 1-hour onshore air quality criteria.

The maximum predicted 24-hour ground level concentrations and 2nd highest 24-hour concentrations predicted for the normal operation of the Deep Panuke installation offshore Nova Scotia are graphically presented in Figures 8.13 and 8.14.

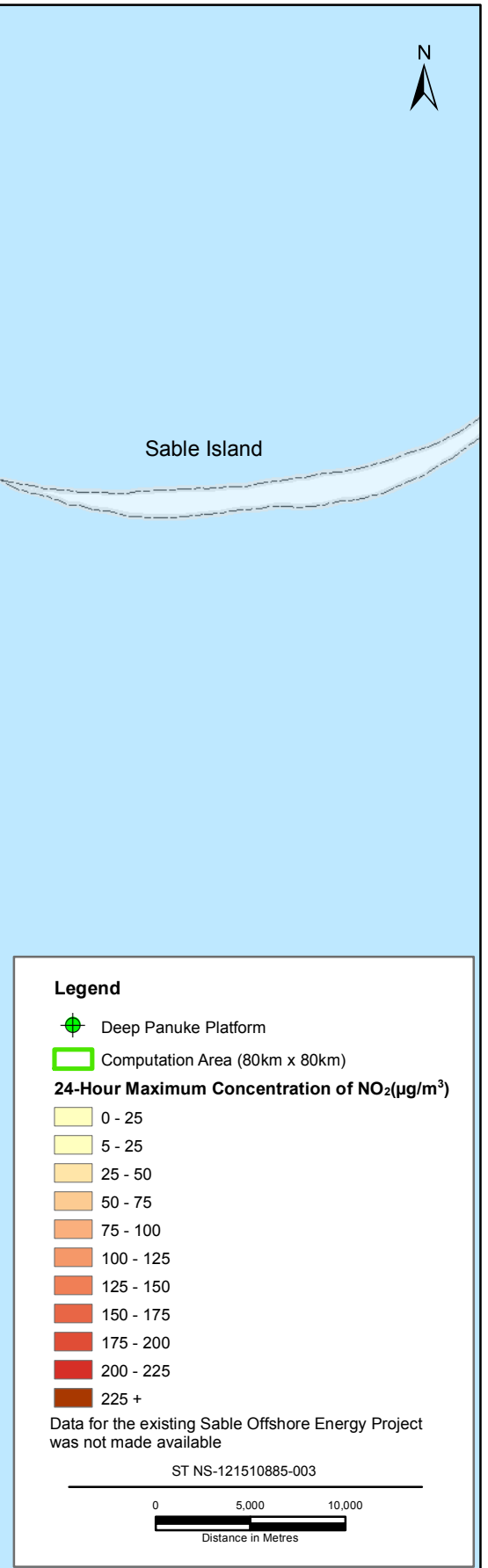
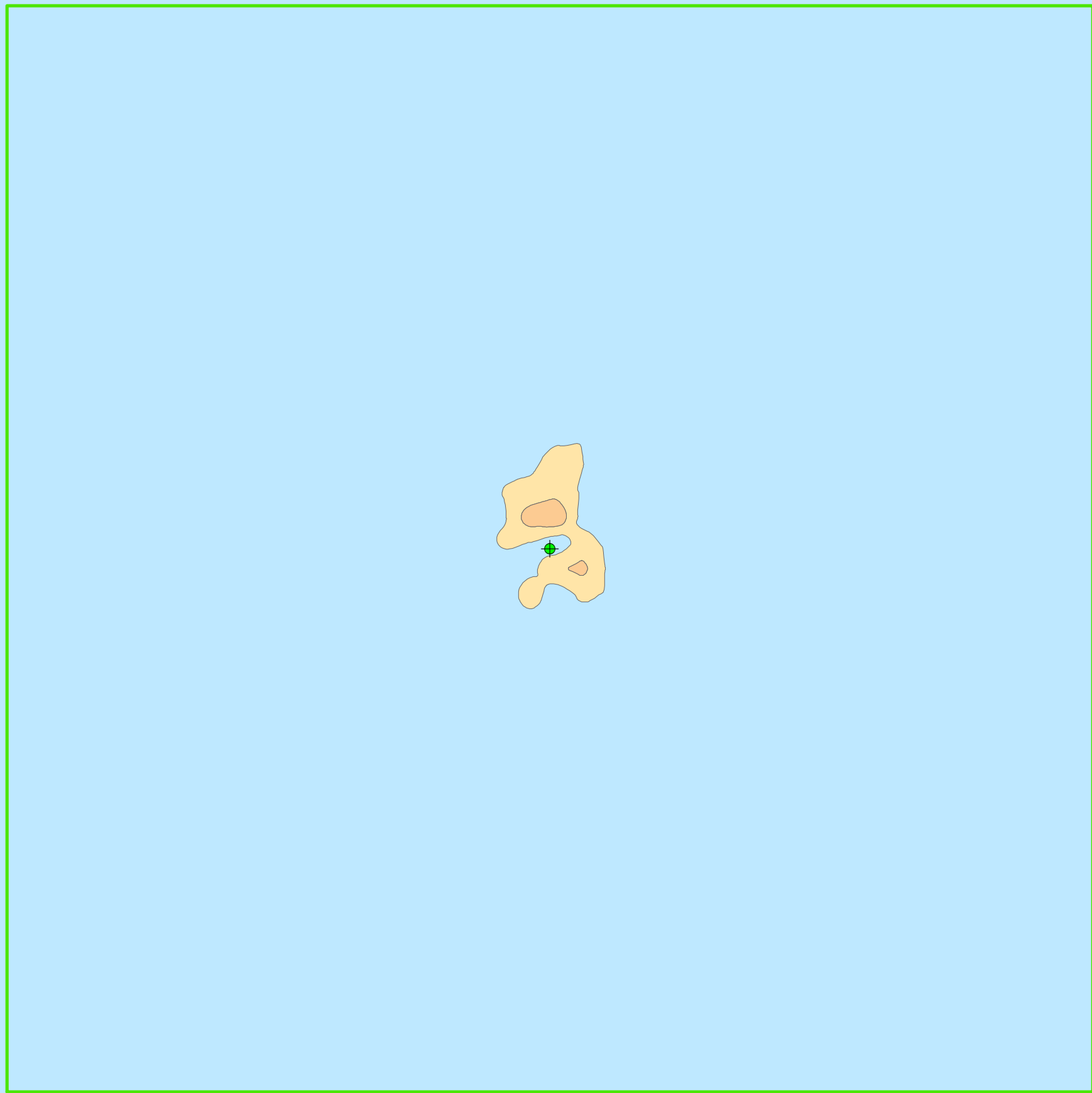
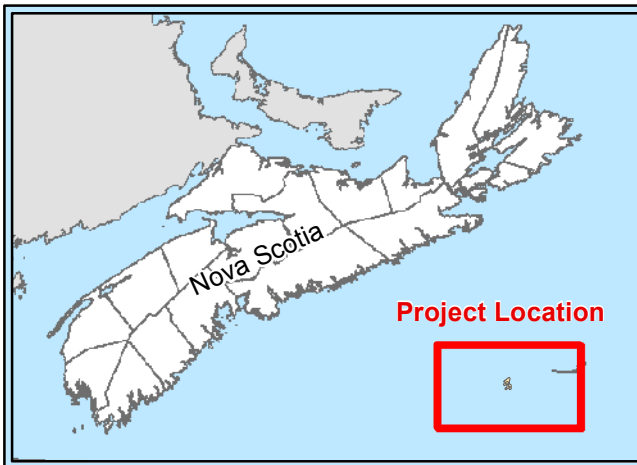
The maximum predicted 24-hour ground level concentration of NO₂ from the normal operation of the Deep Panuke Platform was 227 µg/m³. This concentration was predicted at a location south-east of the installation, approximately 500 m away. The 2nd highest 24-hour predicted ground level concentration of NO₂ fell below the onshore air quality criteria of 200 µg/m³.

The maximum predicted annual ground level concentrations for the normal operation of the Deep Panuke Platform offshore Nova Scotia are graphically presented in Figure 8.15.

The maximum annual predicted ground level concentration of NO₂ from the normal operation of the Deep Panuke Platform (5.06 µg/m³) fell below the onshore air quality criteria of 100 µg/m³.

As the modelling domain did not include Sable Island ground level concentrations of NO₂ were not predicted for this location. However, predicted 1-hour concentrations of NO₂ at Sable Island would be less than 20 µg/m³, less than 5 µg/m³ for the 24-hour time period and basically zero for the annual time period.

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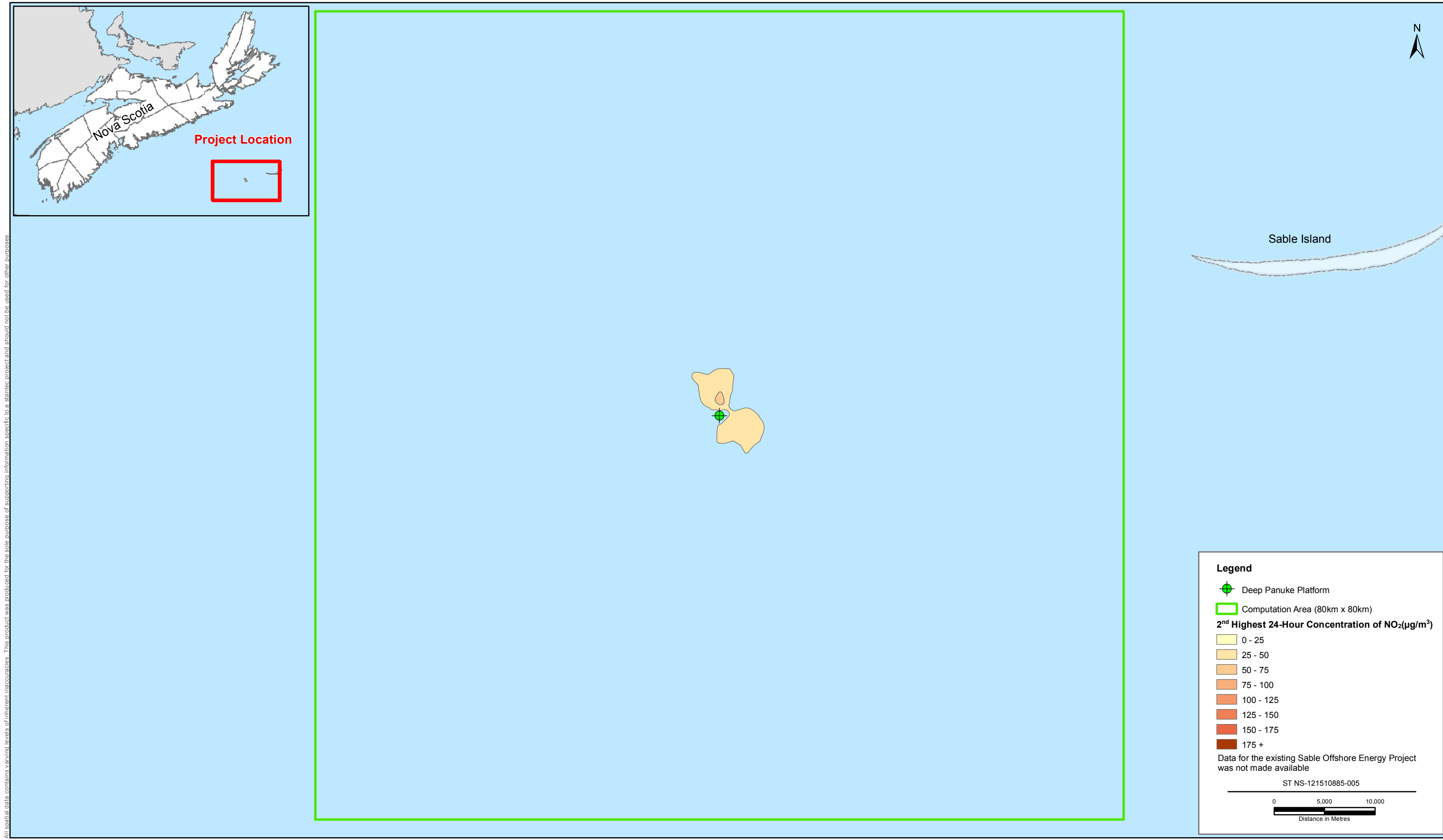


PREPARED BY:	M Huskins-Shupe
REVIEWED BY:	G Hatcher
CLIENT:	Natural Resources Canada

ESRF Air Emissions Project

**Maximum Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³)
Offshore Nova Scotia (Existing and Planned Operations)**

FIGURE NO.:	8.13
DATE:	May 15, 2013




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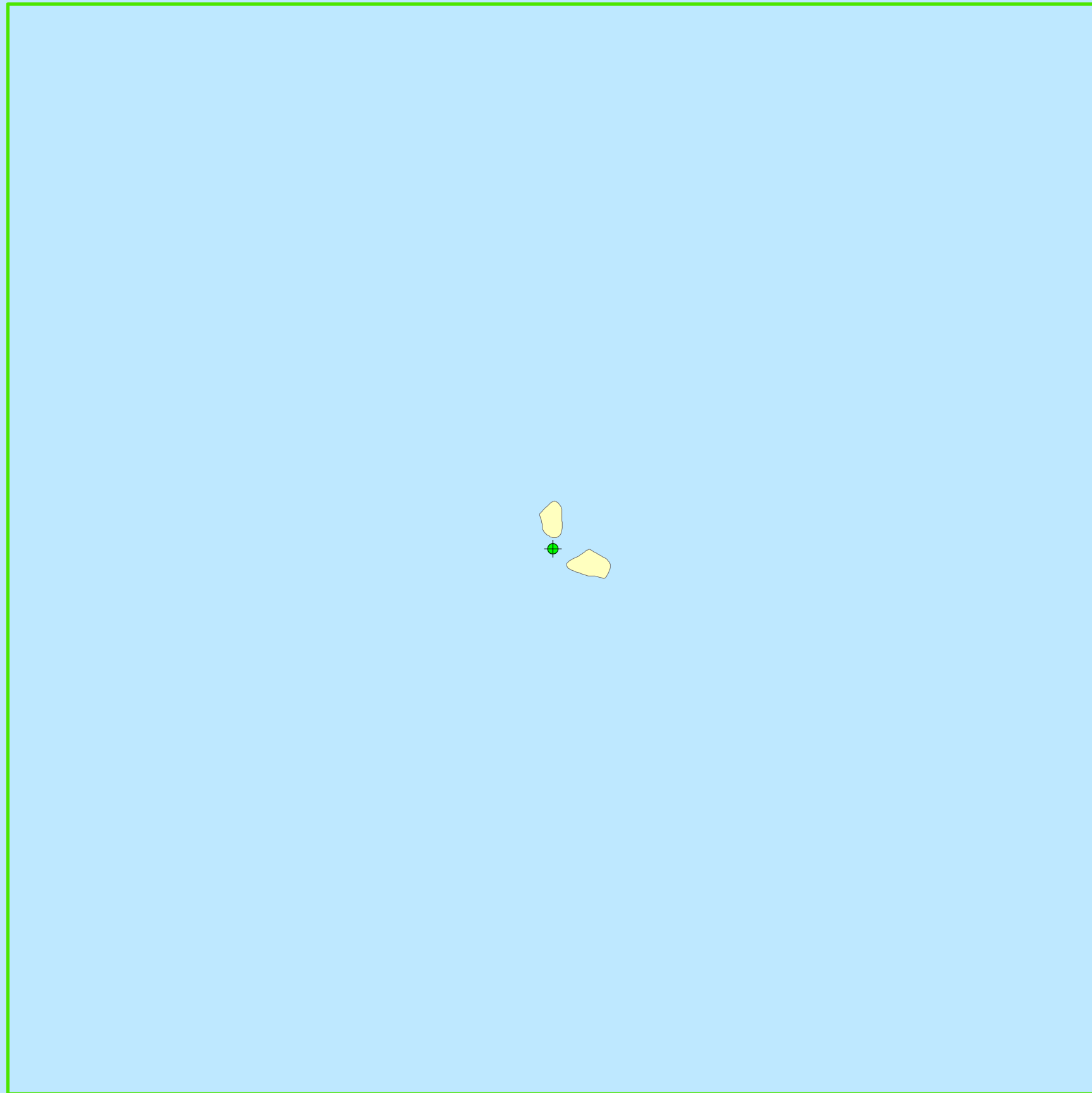
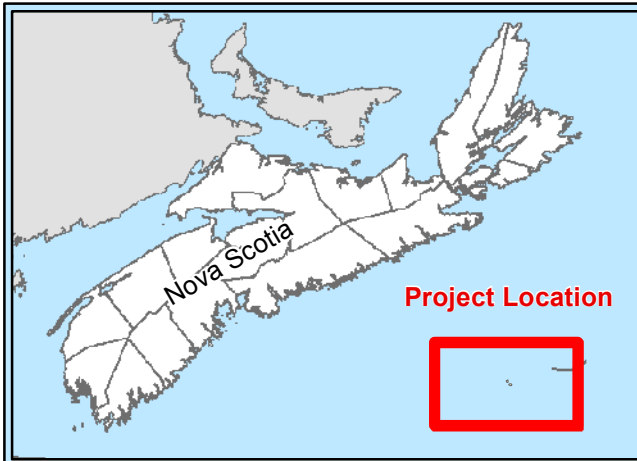
PREPARED BY: M Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

2nd Highest Predicted 24-Hour Ground Level Concentration of NO₂ (µg/m³) Offshore Nova Scotia (Existing and Planned Operations)

FIGURE NO.:	8.14
DATE:	May 15, 2013
 Stantec	

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Legend

- Deep Panuke Platform
- Computation Area (80km x 80km)

Annual Maximum Concentration of NO₂(µg/m³)

- 1 - 2
- 2 - 4
- 4 - 6
- 6 - 8

Data for the existing Sable Offshore Energy Project was not made available

ST NS-121510885-002

Distance in Metres

PREPARED BY: M. Huskins-Shupe
REVIEWED BY: G Hatcher
CLIENT: Natural Resources Canada

ESRF Air Emissions Project

Maximum Predicted Annual Ground Level Concentrations of NO₂ (µg/m³) Offshore Nova Scotia (Existing and Planned Operations)

FIGURE NO.:	8.15
DATE:	May 15, 2013

9.0 Discussion

As has been shown, the maximum concentrations for the 1-hour period are located immediately adjacent to the structures, indicating the clear role of building-induced stack downwash in causing this near-field exposure. This prediction should be interpreted as potential downwash, as this situation is typically intermittent and temporary. Most of the time, the stack exhausts will rise and disperse in the atmosphere, with some downwind predicted effect, but the analysis shows that sometimes the fluctuations of the windspeed and direction will have the capacity to cause flow separation and the downward flow of turbulent air on the lee side of the structure that carries exhaust gases downward to the surface.

As presented in Section 8.0, the maximum predicted ground level concentrations of NO₂ resulting from the normal operation of the existing oil installations (Terra Nova FPSO and SeaRose FPSO) offshore NL meet the provincial and federal onshore air quality criteria of 400 µg/m³ and 200 µg/m³ within the first 500 m from the source for the 1-hour and 24-hour time averaging periods. For the annual time period all maximum predicted concentrations fell below the provincial and federal onshore air quality limit of 100 µg/m³.

For the normal operation of the existing and planned (Hebron Platform) operations offshore NL, the maximum predicted ground level concentrations for the 1-hour and 24-hour time periods fell below the onshore air quality criteria, of 400 µg/m³ and 200 µg/m³, within 3.0 km or less of the Hebron Platform and within 0.7 km or less for the Terra Nova FPSO. All maximum predicted 1-hour and 24-hour predicted concentrations surrounding the SeaRose FPSO fell below both the provincial and federal onshore air quality criteria. The annual average maximum predicted concentrations of NO₂ fell below the onshore air quality criteria, of 100 µg/m³, within 75 m from the Hebron Platform. All maximum predicted annual concentrations of NO₂ surrounding the Terra Nova and SeaRose FPSO's meet the onshore criteria.

To characterize the frequency of exceeding the 1-hour and 24-hour criteria for NO₂ within the 3 km zone of the Hebron Platform, frequency distribution analysis was conducted. The results are presented in Figures 9.1 and 9.2. These frequency analyses were conducted on one receptor positioned approximately 1.5 km north east of the Hebron Platform. As indicated above, the maximum predicted —1-hour and 24-hour ground level concentrations at this location did exceed the provincial and federal onshore air quality criteria of 400 µg/m³ and 200 µg/m³. However, as shown by Figures 9.1 and 9.2 the sea-level concentrations of NO₂ at this location have been predicted to be less than 400 µg/m³ 99.7 % of the time and less than 200 µg/m³ 99.7 % of the time.

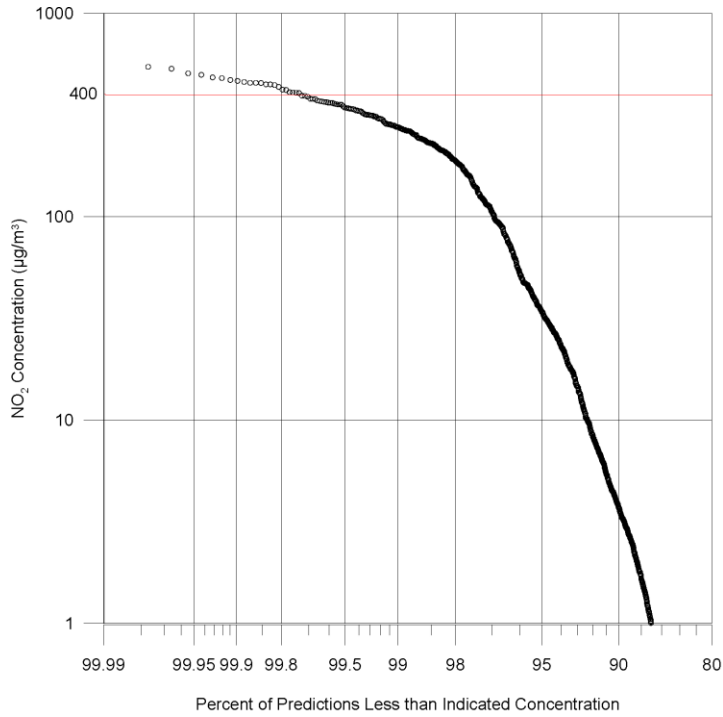


Figure 9.1 Cumulative Frequency Distribution of Nitrogen Dioxide One-hour Predictions

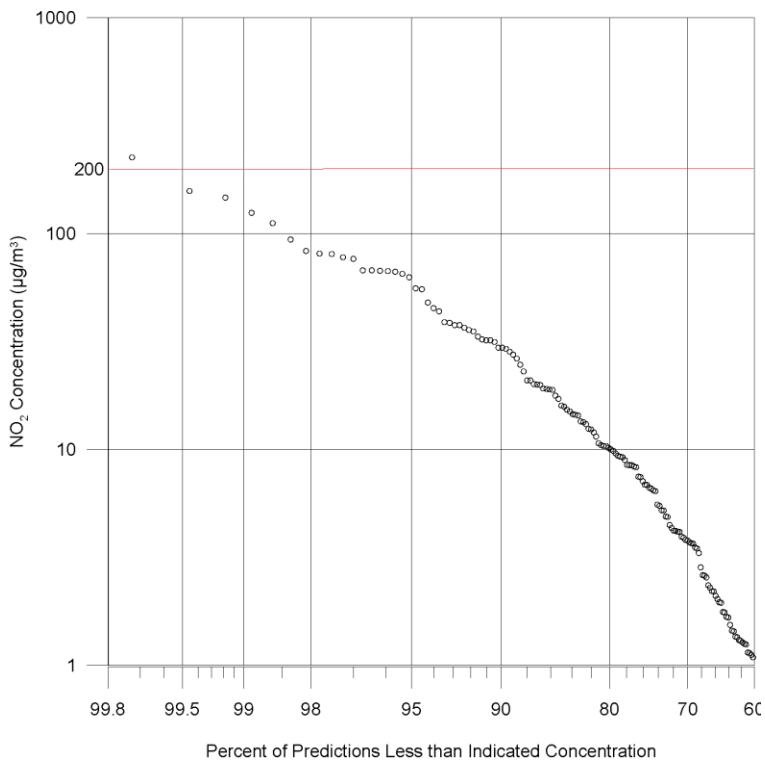


Figure 9.2 Cumulative Frequency Distribution of Nitrogen Dioxide 24-hour Predictions

For offshore NS, the maximum predicted 1-hour and 24-hour ground level concentrations of NO₂, resulting from the normal operation of the planned Deep Panuke Platform fall below provincial and federal onshore air quality criteria of 400 µg/m³ and 200 µg/m³ within 500 m from the installation. The maximum predicted annual ground level concentrations of NO₂ resulting from the operation of the Deep Panuke Platform all fell below the provincial and federal onshore limit of 100 µg/m³.

In efforts to place the data predicted by this project in context with ambient air quality monitoring data for NO₂, as measured downtown St. Johns, NL, Table 9.1 has been provided.

Table 9.1 Ambient Air Monitoring Data for St. John's, NL

Year	Average Annual (µg/m ³)	Maximums (µg/m ³)	
		1-Hour	24-Hour
2010	13.0	204.3	49.5
2011	12.3	133.4	51.5

Reference: (DOEC 2012)

Table 9.2 then compares the monitored data from downtown St. John's, NL to the predicted concentrations of NO₂ 500 m from each offshore installation.

Table 9.2 Comparison of Maximum Predicted Data (500 m from each Installation) to Measured Data

Location	Average Annual (µg/m ³)	Maximums (µg/m ³)	
		1-Hour	24-Hour
Downtown St. John's ¹	13.0 / 12.3	204.3 / 133.4	49.5 / 51.5
Holyrood Generating Station ^{1,3}	1.7/1.7	50.5/83.5	22.4/10.3
Tufts Cove Generating Station ⁴ (Units 1 – 5)	3.7	302	-
Terra Nova FPSO ²	15.0	350 / 350	200/150
SeaRose FPSO ²	4.0	250 / 200	150 / 100
Hebron Platform ²	25.0	550 / 550	400 / 350
Deep Panuke Platform ²	4.0	350 / 300	200 / 175

¹ 2010 data / 2011 data

² maximum / 9th highest for the 1-hour; maximum / 2nd highest for the 24-hour

³Lawrence Pond Road

⁴Registration Document of Tufts Cove 5, 2004

The emissions of the offshore production facilities result in concentrations of nitrogen dioxide that may exceed the onshore air quality criteria in the 500 m safety zone around the platform, but will disperse to virtually negligible levels within 35-40 km of the facilities. In a comparison with downtown concentrations in an urban centre, such as St. John's, the worst-case concentrations at the 500 m distance are comparable; however the spatial extent of the urban levels is much greater than the downwind 10 to 15 degree sector at the production facilities. The results of this study show that the air quality footprints of these facilities,

designed to standards that are comparable to onshore standards of similar equipment, are similar to those of onshore plants.

Nitrogen dioxide was selected for the diagnostic contaminant because it is specifically of concern for turbine emissions, the greatest individual source in the offshore, and is emitted in highest concentration relative to the limiting criteria. As the nitrogen dioxide impacts are confined to occasional exceedances of the onshore provincial and federal air quality criteria within the 500 m safety zone, it is concluded that the impact of other correlated air contaminants will be not significant.

10.0 Closing

This report has been prepared for the sole benefit of Natural Resources Canada under the Environmental Studies Research Fund (ESRF). This report may not be relied upon by any other person or entity without the express written consent of Stantec and Natural Resources Canada. Any use of this report by a third party, or any reliance on decisions made based upon this report, are the responsibility of the third party. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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This study was undertaken exclusively for the purpose outlined herein and was limited to those contaminants and sources specifically referenced in this report. This report cannot be used or applied under any circumstances to another location or situation or for any other purpose without further evaluation of the data and related limitations.

11.0 References

- Alberta Environment. 2003. *Emergency/Process Upset Flaring Management: Modelling Guidance*.
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- Faiz, Weaver, and Walsh. 1996. *Air Pollution from Motor Vehicles: Standards and Technologies for Controlling Emissions*.
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APPENDIX A

CALMET Input Files

----- Run title (3 lines) -----

CALMET MODEL CONTROL FILE

INPUT GROUP: 0 -- Input and Output File Names

Subgroup (a)

Default Name	Type	File Name
GEO.DAT	input	! GEODAT = n1_model__2_planned_sm_geo\GEO.DAT !
SURF.DAT	input	* SRFDAT = *
CLOUD.DAT	input	* CLDDAT = *
PRECIP.DAT	input	* PRCDAT = *
WT.DAT	input	* WTDAT = *
CALMET.LST	output	! METLST = CALMET.LST !
CALMET.DAT	output	! METDAT = CALMET.DAT !
PACOUT.DAT	output	* PACDAT = *

All file names will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
 T = lower case ! LCFILES = F !
 F = UPPER CASE

NUMBER OF UPPER AIR & OVERWATER STATIONS:

Number of upper air stations (NUSTA) No default ! NUSTA = 0 !
 Number of overwater met stations
 (NOWSTA) No default ! NOWSTA = 0 !

NUMBER OF PROGNOSTIC and IGF-CALMET FILES:

Number of MM4/MM5/3D.DAT files
 (NM3D) No default ! NM3D = 24 !
 Number of IGF-CALMET.DAT files
 (NIGF) No default ! NIGF = 0 !

!END!

Subgroup (b)

Upper air files (one per station)

Default Name	Type	File Name
--------------	------	-----------

Subgroup (c)

Overwater station files (one per station)

Default Name	Type	File Name
--------------	------	-----------

CALMET.INP

 Subgroup (d)

MM4/MM5/3D.DAT files (consecutive or overlapping)

Default Name	Type	File Name
MM41.DAT	input	1 ! M3DDAT=...\TILESN~2\DEC201~1\NE607E~1.M3D! !END!
MM42.DAT	input	2 ! M3DDAT=...\TILESN~2\DEC201~1\NEAA9D~1.M3D! !END!
MM43.DAT	input	3 ! M3DDAT=...\TILESN~2\DEC201~1\NEC3A0~1.M3D! !END!
MM44.DAT	input	4 ! M3DDAT=...\TILESN~2\DEC201~1\NE8971~1.M3D! !END!
MM45.DAT	input	5 ! M3DDAT=...\TILESN~2\DEC201~1\NED66A~1.M3D! !END!
MM46.DAT	input	6 ! M3DDAT=...\TILESN~2\DEC201~1\NE8136~1.M3D! !END!
MM47.DAT	input	7 ! M3DDAT=...\TILESN~2\DEC201~1\NE5DA4~1.M3D! !END!
MM48.DAT	input	8 ! M3DDAT=...\TILESN~2\DEC201~1\NE324C~1.M3D! !END!
MM49.DAT	input	9 ! M3DDAT=...\TILESN~2\DEC201~1\NEBDF2~1.M3D! !END!
MM410.DAT	input	10 ! M3DDAT=...\TILESN~2\DEC201~1\NED86B~1.M3D! !END!
MM411.DAT	input	11 ! M3DDAT=...\TILESN~2\DEC201~1\NE761C~1.M3D! !END!
MM412.DAT	input	12 ! M3DDAT=...\TILESN~2\DEC201~1\NECB40~1.M3D! !END!
MM413.DAT	input	13 ! M3DDAT=...\TILESN~2\DEC201~1\NE2A8E~1.M3D! !END!
MM414.DAT	input	14 ! M3DDAT=...\TILESN~2\DEC201~1\NE4F57~1.M3D! !END!
MM415.DAT	input	15 ! M3DDAT=...\TILESN~2\DEC201~1\NE708C~1.M3D! !END!
MM416.DAT	input	16 ! M3DDAT=...\TILESN~2\DEC201~1\NEE4B7~1.M3D! !END!
MM417.DAT	input	17 ! M3DDAT=...\TILESN~2\DEC201~1\NEB392~1.M3D! !END!
MM418.DAT	input	18 ! M3DDAT=...\TILESN~2\DEC201~1\NE26FF~1.M3D! !END!
MM419.DAT	input	19 ! M3DDAT=...\TILESN~2\DEC201~1\NEW-NL~1.M3D! !END!
MM420.DAT	input	20 ! M3DDAT=...\TILESN~2\DEC201~1\NEW-NL~2.M3D! !END!
MM421.DAT	input	21 ! M3DDAT=...\TILESN~2\DEC201~1\NEW-NL~3.M3D! !END!
MM422.DAT	input	22 ! M3DDAT=...\TILESN~2\DEC201~1\NEW-NL~4.M3D! !END!
MM423.DAT	input	23 ! M3DDAT=...\TILESN~2\DEC201~1\NE8D70~1.M3D! !END!
MM424.DAT	input	24 ! M3DDAT=...\TILESN~2\DEC201~1\NE6218~1.M3D! !END!

 Subgroup (e)

IGF-CALMET.DAT files (consecutive or overlapping)

Default Name	Type	File Name
* IGFDATFILES = *		

 Subgroup (f)

Other file names

Default Name	Type	File Name
DIAG.DAT	input	* DIADAT = *
PROG.DAT	input	* PRGDAT = *
TEST.PRT	output	* TSTPRT = *
TEST.OUT	output	* TSTOUT = *
TEST.KIN	output	* TSTKIN = *
TEST.FRD	output	* TSTFRD = *
TEST.SLP	output	* TSTSLP = *
DCST.GRD	output	* DCSTGD = *

- NOTES: (1) File/path names can be up to 70 characters in length
 (2) Subgroups (a) and (f) must have ONE 'END' (surrounded by delimiters) at the end of the group

- (3) Subgroups (b) through (e) are included ONLY if the corresponding number of files (NUSTA, NOWSTA, NM3D, NIGF) is not 0, and each must have an 'END' (surround by delimiters) at the end of EACH LINE

!END!

 INPUT GROUP: 1 -- General run control parameters

Starting date: Year (IBYR) -- No default ! IBYR = 2005 !
 Month (IBMO) -- No default ! IBMO = 12 !
 Day (IBDY) -- No default ! IDBY = 30 !
 Starting time: Hour (IBHR) -- No default ! IBHR = 0 !
 Second (IBSEC) -- No default ! IBSEC = 0 !
 Ending date: Year (IEYR) -- No default ! IEYR = 2007 !
 Month (IEMO) -- No default ! IEMO = 1 !
 Day (IEDY) -- No default ! IEDY = 1 !
 Ending time: Hour (IEHR) -- No default ! IEHR = 21 !
 Second (IESEC) -- No default ! IESEC = 0 !

UTC time zone (ABTZ) -- No default ! ABTZ = UTC-0300 !
 (character*8)
 PST = UTC-0800, MST = UTC-0700, GMT = UTC-0000
 CST = UTC-0600, EST = UTC-0500

Length of modeling time-step (seconds)
 Must divide evenly into 3600 (1 hour)
 (NSECDT) Default:3600 ! NSECDT = 3600 !
 Units: seconds

Run type (IRTYPE) -- Default: 1 ! IRTYPE = 1 !

0 = Computes wind fields only
 1 = Computes wind fields and micrometeorological variables
 (u*, w*, L, zi, etc.)
 (IRTYPE must be 1 to run CALPUFF or CALGRID)

Compute special data fields required
 by CALGRID (i.e., 3-D fields of w wind
 components and temperature)
 in additional to regular Default: T ! LCALGRD = T !
 fields ? (LCALGRD)
 (LCALGRD must be T to run CALGRID)

Flag to stop run after
 SETUP phase (ITEST) Default: 2 ! ITEST = 2 !
 (Used to allow checking
 of the model inputs, files, etc.)
 ITEST = 1 - STOPS program after SETUP phase
 ITEST = 2 - Continues with execution of
 COMPUTATIONAL phase after SETUP

Test options specified to see if
 they conform to regulatory
 values? (MREG) No Default ! MREG = 0 !

0 = NO checks are made
 1 = Technical options must conform to USEPA guidance

```

                                CALMET.INP
IMIXH      -1      Maul-Carson convective mixing height
                                over land; OCD mixing height overwater
ICOARE      0      OCD deltaT method for overwater fluxes
THRESHL    0.0    Threshold buoyancy flux over land needed
                                to sustain convective mixing height growth
ISURFT     > 0    Pick one representative station, OR
                                -2    in NOOBS mode (ITPROG=2) average all
                                surface prognostic temperatures to get
                                a single representative surface temp.
IUPT       > 0    Pick one representative station, OR
                                -2    in NOOBS mode (ITPROG>0) average all surface
                                prognostic temperatures to get a single
                                representative surface temp.

```

!END!

INPUT GROUP: 2 -- Map Projection and Grid control parameters

Projection for all (X,Y):

Map projection
(PMAP)

Default: UTM ! PMAP = UTM !

UTM : Universal Transverse Mercator
TTM : Tangential Transverse Mercator
LCC : Lambert Conformal Conic
PS : Polar Stereographic
EM : Equatorial Mercator
LAZA : Lambert Azimuthal Equal Area

False Easting and Northing (km) at the projection origin

(Used only if PMAP= TTM, LCC, or LAZA)

(FEAST) Default=0.0 ! FEAST = 0 !
(FNORTH) Default=0.0 ! FNORTH = 0 !

UTM zone (1 to 60)

(Used only if PMAP=UTM)

(IUTMZN) No Default ! IUTMZN = 22 !

Hemisphere for UTM projection?

(Used only if PMAP=UTM)

(UTMHEM) Default: N ! UTMHEM = N !

N : Northern hemisphere projection

S : Southern hemisphere projection

Latitude and Longitude (decimal degrees) of projection origin

(Used only if PMAP= TTM, LCC, PS, EM, or LAZA)

(RLAT0) No Default * RLAT0 = *
(RLON0) No Default * RLON0 = *

TTM : RLON0 identifies central (true N/S) meridian of projection
RLAT0 selected for convenience

LCC : RLON0 identifies central (true N/S) meridian of projection
RLAT0 selected for convenience

PS : RLON0 identifies central (grid N/S) meridian of projection
RLAT0 selected for convenience

EM : RLON0 identifies central meridian of projection
RLAT0 is REPLACED by 0.0N (Equator)

LAZA: RLON0 identifies longitude of tangent-point of mapping plane

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RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection
(Used only if PMAP= LCC or PS)

(XLAT1) No Default ! XLAT1 = 30N !
(XLAT2) No Default ! XLAT2 = 60N !

LCC : Projection cone slices through Earth's surface at XLAT1 and XLAT2
PS : Projection plane slices through Earth at XLAT1
(XLAT2 is not used)

Note: Latitudes and longitudes should be positive, and include a
letter N,S,E, or W indicating north or south latitude, and
east or west longitude. For example,
35.9 N Latitude = 35.9N
118.7 E Longitude = 118.7E

Datum-region

The Datum-Region for the coordinates is identified by a character
string. Many mapping products currently available use the model of the
Earth known as the world Geodetic System 1984 (WGS-84). Other local
models may be in use, and their selection in CALMET will make its output
consistent with local mapping products. The list of Datum-Regions with
official transformation parameters is provided by the National Imagery and
Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)

WGS-84 WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
NAS-C NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NAR-C NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
NWS-84 NWS 6370KM Radius, Sphere
ESR-S ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM) Default: WGS-84 ! DATUM = WGS-84 !

Horizontal grid definition:

Rectangular grid defined for projection PMAP,
with X the Easting and Y the Northing coordinate

No. X grid cells (NX) No default ! NX = 100 !
No. Y grid cells (NY) No default ! NY = 100 !

Grid spacing (DGRIDKM) No default ! DGRIDKM = 1 !
Units: km

Reference grid coordinate of
SOUTHWEST corner of grid cell (1,1)

X coordinate (XORIGKM) No default ! XORIGKM = 657.5660 !
Y coordinate (YORIGKM) No default ! YORIGKM = 5124.9600 !
Units: km

Vertical grid definition:

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No. of vertical layers (NZ) No default ! NZ = 10 !

cell face heights in arbitrary
vertical grid (ZFACE(NZ+1)) No defaults
Units: m

! ZFACE =
0.00,20.00,40.00,80.00,160.00,320.00,640.00,1200.00,2000.00,3000.00,4000.00 !

!END!

INPUT GROUP: 3 -- Output Options

DISK OUTPUT OPTION

Save met. fields in an unformatted
output file ? (LSAVE) Default: T ! LSAVE = T !
(F = Do not save, T = Save)

Type of unformatted output file:
(IFORMO) Default: 1 ! IFORMO = 1 !

- 1 = CALPUFF/CALGRID type file (CALMET.DAT)
- 2 = MESOPUFF-II type file (PACOUT.DAT)

LINE PRINTER OUTPUT OPTIONS:

Print met. fields ? (LPRINT) Default: F ! LPRINT = F !
(F = Do not print, T = Print)
(NOTE: parameters below control which
met. variables are printed)

Print interval
(IPRINF) in hours Default: 1 ! IPRINF = 1 !
(Meteorological fields are printed
every 6 hours)

Specify which layers of U, V wind component
to print (IUVOU(NZ)) -- NOTE: NZ values must be entered
(0=Do not print, 1=Print)
(used only if LPRINT=T) Defaults: NZ*0
* IUVOU = *

Specify which levels of the W wind component to print
(NOTE: W defined at TOP cell face -- 6 values)
(IWOUT(NZ)) -- NOTE: NZ values must be entered
(0=Do not print, 1=Print)
(used only if LPRINT=T & LCALGRD=T)

Defaults: NZ*0

* IWOUT = *

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Specify which levels of the 3-D temperature field to print
(ITOUT(NZ)) -- NOTE: NZ values must be entered
(0=Do not print, 1=Print)
(used only if LPRINT=T & LCALGRD=T)

----- Defaults: NZ*0
* ITOUT = *

Specify which meteorological fields
to print
(used only if LPRINT=T) Defaults: 0 (all variables)

Variable Print ?
 (0 = do not print,
 1 = print)

- ! STABILITY = 0 ! - PGT stability class
- ! USTAR = 0 ! - Friction velocity
- ! MONIN = 0 ! - Monin-Obukhov length
- ! MIXHT = 0 ! - Mixing height
- ! WSTAR = 0 ! - Convective velocity scale
- ! PRECIP = 0 ! - Precipitation rate
- ! SENSHEAT = 0 ! - Sensible heat flux
- ! CONVZI = 0 ! - Convective mixing ht.

Testing and debug print options for micrometeorological module

Print input meteorological data and
internal variables (LDB) Default: F ! LDB = F !
(F = Do not print, T = print)
(NOTE: this option produces large amounts of output)

First time step for which debug data
are printed (NN1) Default: 1 ! NN1 = 1 !

Last time step for which debug data
are printed (NN2) Default: 1 ! NN2 = 1 !

Print distance to land
internal variables (LDBCST) Default: F ! LDBCST = F !
(F = Do not print, T = print)
(Output in .GRD file DCST.GRD, defined in input group 0)

Testing and debug print options for wind field module
(all of the following print options control output to
wind field module's output files: TEST.PRT, TEST.OUT,
TEST.KIN, TEST.FRD, and TEST.SLP)

Control variable for writing the test/debug
wind fields to disk files (IOUTD) Default: 0 ! IOUTD = 0 !
(0=Do not write, 1=write)

Number of levels, starting at the surface,
to print (NZPRN2) Default: 1 ! NZPRN2 = 1 !

Print the INTERPOLATED wind components ?
(IPRO) (0=no, 1=yes) Default: 0 ! IPRO = 0 !

Print the TERRAIN ADJUSTED surface wind
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components ?
(IPR1) (0=no, 1=yes) Default: 0 ! IPR1 = 0 !

Print the SMOOTHED wind components and
the INITIAL DIVERGENCE fields ?
(IPR2) (0=no, 1=yes) Default: 0 ! IPR2 = 0 !

Print the FINAL wind speed and direction
fields ?
(IPR3) (0=no, 1=yes) Default: 0 ! IPR3 = 0 !

Print the FINAL DIVERGENCE fields ?
(IPR4) (0=no, 1=yes) Default: 0 ! IPR4 = 0 !

Print the winds after KINEMATIC effects
are added ?
(IPR5) (0=no, 1=yes) Default: 0 ! IPR5 = 0 !

Print the winds after the FROUDE NUMBER
adjustment is made ?
(IPR6) (0=no, 1=yes) Default: 0 ! IPR6 = 0 !

Print the winds after SLOPE FLOWS
are added ?
(IPR7) (0=no, 1=yes) Default: 0 ! IPR7 = 0 !

Print the FINAL wind field components ?
(IPR8) (0=no, 1=yes) Default: 0 ! IPR8 = 0 !

!END!

INPUT GROUP: 4 -- Meteorological data options

NO OBSERVATION MODE (NOOBS) Default: 0 ! NOOBS = 2 !
0 = Use surface, overwater, and upper air stations
1 = Use surface and overwater stations (no upper air observations)
Use MM4/MM5/3D.DAT for upper air data
2 = No surface, overwater, or upper air observations
Use MM4/MM5/3D.DAT for surface, overwater, and upper air data

NUMBER OF SURFACE & PRECIP. METEOROLOGICAL STATIONS

Number of surface stations (NSSTA) No default ! NSSTA = 0 !

Number of precipitation stations
(NPSTA=-1: flag for use of MM5/3D.DAT precip data)
(NPSTA) No default ! NPSTA = -1 !

CLOUD DATA OPTIONS

Gridded cloud fields:
(ICLOUD) Default: 0 ! ICLOUD = 3 !

ICLOUD = 0 - Gridded clouds not used
ICLOUD = 1 - Gridded CLOUD.DAT generated as OUTPUT
ICLOUD = 2 - Gridded CLOUD.DAT read as INPUT
ICLOUD = 3 - Gridded cloud cover from Prognostic Rel. Humidity
at 850mb (Teixera)
ICLOUD = 4 - Gridded cloud cover from Prognostic Rel. Humidity
at all levels (MM5toGrads algorithm)

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FILE FORMATS

Surface meteorological data file format
 (IFORMS) Default: 2 ! IFORMS = 2 !
 (1 = unformatted (e.g., SMERGE output))
 (2 = formatted (free-formatted user input))

Precipitation data file format
 (IFORMP) Default: 2 ! IFORMP = 2 !
 (1 = unformatted (e.g., PMERGE output))
 (2 = formatted (free-formatted user input))

Cloud data file format
 (IFORMC) Default: 2 ! IFORMC = 1 !
 (1 = unformatted - CALMET unformatted output)
 (2 = formatted - free-formatted CALMET output or user input)

!END!

 INPUT GROUP: 5 -- Wind Field Options and Parameters

WIND FIELD MODEL OPTIONS

Model selection variable (IWFCOD) Default: 1 ! IWFCOD = 1 !
 0 = Objective analysis only
 1 = Diagnostic wind module

Compute Froude number adjustment effects ? (IFRADJ) Default: 1 ! IFRADJ = 1 !
 (0 = NO, 1 = YES)

Compute kinematic effects ? (IKINE) Default: 0 ! IKINE = 0 !
 (0 = NO, 1 = YES)

Use O'Brien procedure for adjustment of the vertical velocity ? (IOBR) Default: 0 ! IOBR = 0 !
 (0 = NO, 1 = YES)

Compute slope flow effects ? (ISLOPE) Default: 1 ! ISLOPE = 1 !
 (0 = NO, 1 = YES)

Extrapolate surface wind observations to upper layers ? (IEXTRP) Default: -4 ! IEXTRP = 1 !
 (1 = no extrapolation is done,
 2 = power law extrapolation used,
 3 = user input multiplicative factors for layers 2 - NZ used (see FEXTRP array)
 4 = similarity theory used
 -1, -2, -3, -4 = same as above except layer 1 data at upper air stations are ignored

Extrapolate surface winds even if calm? (ICALM) Default: 0 ! ICALM = 0 !
 (0 = NO, 1 = YES)

Layer-dependent biases modifying the weights of surface and upper air stations (BIAS(NZ))
 -1<=BIAS<=1
 Negative BIAS reduces the weight of upper air stations

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(e.g. BIAS=-0.1 reduces the weight of upper air stations by 10%; BIAS= -1, reduces their weight by 100 %)

Positive BIAS reduces the weight of surface stations

(e.g. BIAS= 0.2 reduces the weight of surface stations by 20%; BIAS=1 reduces their weight by 100%)

Zero BIAS leaves weights unchanged (1/R**2 interpolation)

Default: NZ*0

! BIAS = 0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0 !

Minimum distance from nearest upper air station to surface station for which extrapolation of surface winds at surface station will be allowed (RMIN2: Set to -1 for IEXTRP = 4 or other situations where all surface stations should be extrapolated)

Default: 4. ! RMIN2 = 4 !

Use gridded prognostic wind field model output fields as input to the diagnostic wind field model (IPROG)

Default: 0 ! IPROG = 14 !

(0 = No, [IWFCOD = 0 or 1]

1 = Yes, use CSUMM prog. winds as Step 1 field, [IWFCOD = 0]

2 = Yes, use CSUMM prog. winds as initial guess field [IWFCOD = 1]

3 = Yes, use winds from MM4.DAT file as Step 1 field [IWFCOD = 0]

4 = Yes, use winds from MM4.DAT file as initial guess field [IWFCOD = 1]

5 = Yes, use winds from MM4.DAT file as observations [IWFCOD = 1]

13 = Yes, use winds from MM5/3D.DAT file as Step 1 field [IWFCOD = 0]

14 = Yes, use winds from MM5/3D.DAT file as initial guess field [IWFCOD = 1]

15 = Yes, use winds from MM5/3D.DAT file as observations [IWFCOD = 1]

Timestep (seconds) of the prognostic model input data (ISTEPPGS)

Default: 3600 ! ISTEPPGS = 3600 !

Use coarse CALMET fields as initial guess fields (IGFMET) (overwrites IGF based on prognostic wind fields if any)

Default: 0 ! IGFMET = 0 !

RADIUS OF INFLUENCE PARAMETERS

Use varying radius of influence (if no stations are found within RMAX1,RMAX2, or RMAX3, then the closest station will be used) Default: F ! LVARY = F !

Maximum radius of influence over land in the surface layer (RMAX1) No default Units: km ! RMAX1 = 0 !

Maximum radius of influence over land aloft (RMAX2) No default Units: km ! RMAX2 = 0 !

Maximum radius of influence over water (RMAX3) No default Units: km ! RMAX3 = 0 !

OTHER WIND FIELD INPUT PARAMETERS

Minimum radius of influence used in the wind field interpolation (RMIN) Default: 0.1 Units: km ! RMIN = 0.1 !

Radius of influence of terrain features (TERRAD) No default Units: km ! TERRAD = 20 !

CALMET.INP

Relative weighting of the first guess field and observations in the SURFACE layer (R1)
(R1 is the distance from an observational station at which the observation and first guess field are equally weighted) No default ! R1 = 0 !
Units: km

Relative weighting of the first guess field and observations in the layers ALOFT (R2)
(R2 is applied in the upper layers in the same manner as R1 is used in the surface layer). No default ! R2 = 0 !
Units: km

Relative weighting parameter of the prognostic wind field data (RPROG)
(Used only if IPROG = 1) No default ! RPROG = 0 !
Units: km

Maximum acceptable divergence in the divergence minimization procedure (DIVLIM) Default: 5.E-6 ! DIVLIM = 5E-6 !

Maximum number of iterations in the divergence min. procedure (NITER) Default: 50 ! NITER = 50 !

Number of passes in the smoothing procedure (NSMTH(NZ))
NOTE: NZ values must be entered
Default: 2,(mxnz-1)*4 ! NSMTH = 2,9*4 !

Maximum number of stations used in each layer for the interpolation of data to a grid point (NINTR2(NZ))
NOTE: NZ values must be entered Default: 99. ! NINTR2 = 10*99 !

Critical Froude number (CRITFN) Default: 1.0 ! CRITFN = 1 !

Empirical factor controlling the influence of kinematic effects (ALPHA) Default: 0.1 ! ALPHA = 0.1 !

Multiplicative scaling factor for extrapolation of surface observations to upper layers (FEXTR2(NZ))
! FEXTR2 = 10*0 !
(Used only if IEXTRP = 3 or -3) Default: NZ*0.0

BARRIER INFORMATION

Number of barriers to interpolation of the wind fields (NBAR) Default: 0 ! NBAR = 0 !

Level (1 to NZ) up to which barriers apply (KBAR) Default: NZ ! KBAR = 10 !

THE FOLLOWING 4 VARIABLES ARE INCLUDED ONLY IF NBAR > 0
NOTE: NBAR values must be entered for each variable No defaults Units: km

CALMET.INP

X coordinate of BEGINNING
of each barrier (XBBAR(NBAR)) ! XBBAR = !
Y coordinate of BEGINNING
of each barrier (YBBAR(NBAR)) ! YBBAR = !

X coordinate of ENDING
of each barrier (XEBAR(NBAR)) ! XEBAR = !
Y coordinate of ENDING
of each barrier (YEBAR(NBAR)) ! YEBAR = !

DIAGNOSTIC MODULE DATA INPUT OPTIONS

Surface temperature (IDIOPT1) Default: 0 ! IDIOPT1 = 0 !
0 = Compute internally from
hourly surface observations or prognostic fields
1 = Read preprocessed values from
a data file (DIAG.DAT)

Surface met. station to use for
the surface temperature (ISURFT) Default: -1 ! ISURFT = -1 !
(Must be a value from 1 to NSSTA,
or -1 to use 2-D spatially varying
surface temperatures,
or -2 to use a domain-average prognostic
surface temperatures (only with ITPROG=2))
(Used only if IDIOPT1 = 0)

Temperature lapse rate used in the computation of terrain-induced
circulations (IDIOPT2) Default: 0 ! IDIOPT2 = 0 !
0 = Compute internally from (at least) twice-daily
upper air observations or prognostic fields
1 = Read hourly preprocessed values
from a data file (DIAG.DAT)

Upper air station to use for
the domain-scale lapse rate (IUPT) Default: -1 ! IUPT = -1 !
(Must be a value from 1 to NUSTA,
or -1 to use 2-D spatially varying lapse rate,
or -2 to use a domain-average prognostic
lapse rate (only with ITPROG>0))
(Used only if IDIOPT2 = 0)

Depth through which the domain-scale
lapse rate is computed (ZUPT) Default: 200. ! ZUPT = 200 !
(Used only if IDIOPT2 = 0) Units: meters

Initial Guess Field Winds
(IDIOPT3) Default: 0 ! IDIOPT3 = 0 !
0 = Compute internally from
observations or prognostic wind fields
1 = Read hourly preprocessed domain-average wind values
from a data file (DIAG.DAT)

Upper air station to use for
the initial guess winds (IUPWND) Default: -1 ! IUPWND = -1 !
(Must be a value from -1 to NUSTA, with
-1 indicating 3-D initial guess fields,
and IUPWND>1 domain-scaled (i.e. constant) IGF)

CALMET.INP
(Used only if IDIOPT3 = 0 and noobs=0)

Bottom and top of layer through
which the domain-scale winds
are computed

(ZUPWND(1), ZUPWND(2)) Defaults: 1., 1000. ! ZUPWND= 1.0, 1.00 !
(Used only if IDIOPT3 = 0, NOOBS>0 and IUPWND>0) Units: meters

Observed surface wind components
for wind field module (IDIOPT4) Default: 0 ! IDIOPT4 = 0 !
0 = Read WS, WD from a surface
data file (SURF.DAT)
1 = Read hourly preprocessed U, V from
a data file (DIAG.DAT)

Observed upper air wind components
for wind field module (IDIOPT5) Default: 0 ! IDIOPT5 = 0 !
0 = Read WS, WD from an upper
air data file (UP1.DAT, UP2.DAT, etc.)
1 = Read hourly preprocessed U, V from
a data file (DIAG.DAT)

LAKE BREEZE INFORMATION

Use Lake Breeze Module (LLBREZE) Default: F ! LLBREZE = F !

Number of lake breeze regions (NBOX) ! NBOX = 0 !

X Grid line 1 defining the region of interest ! XG1 = !
X Grid line 2 defining the region of interest ! XG2 = !
Y Grid line 1 defining the region of interest ! YG1 = !
Y Grid line 2 defining the region of interest ! YG2 = !

X Point defining the coastline (Straight line)
(XBCST) (KM) Default: none ! XBCST = !

Y Point defining the coastline (Straight line)
(YBCST) (KM) Default: none ! YBCST = !

X Point defining the coastline (Straight line)
(XECST) (KM) Default: none ! XECST = !

Y Point defining the coastline (Straight line)
(YECST) (KM) Default: none ! YECST = !

Number of stations in the region Default: none ! NLB = !
(Surface stations + upper air stations)

Station ID's in the region (METBXID(NLB))
(Surface stations first, then upper air stations)
! METBXID = !

!END!

 INPUT GROUP: 6 -- Mixing Height, Temperature and Precipitation Parameters

EMPIRICAL MIXING HEIGHT CONSTANTS

Neutral, mechanical equation (CONSTB)	Default: 1.41	! CONSTB = 1.41 !
Convective mixing ht. equation (CONSTE)	Default: 0.15	! CONSTE = 0.15 !
Stable mixing ht. equation (CONSTN)	Default: 2400.	! CONSTN = 2400 !
Overwater mixing ht. equation (CONSTW)	Default: 0.16	! CONSTW = 0.16 !
Absolute value of coriolis parameter (FCORIOI)	Default: 1.E-4 Units: (1/s)	! FCORIOI = 0.0001 !

SPATIAL AVERAGING OF MIXING HEIGHTS

Conduct spatial averaging (IAVEZI) (0=no, 1=yes)	Default: 1	! IAVEZI = 1 !
Max. search radius in averaging process (MNMDAV)	Default: 1 Units: Grid cells	! MNMDAV = 1 !
Half-angle of upwind looking cone for averaging (HAFANG)	Default: 30. Units: deg.	! HAFANG = 30 !
Layer of winds used in upwind averaging (ILEVZI) (must be between 1 and NZ)	Default: 1	! ILEVZI = 1 !

CONVECTIVE MIXING HEIGHT OPTIONS:

Method to compute the convective mixing height(IMIHXX)	Default: 1	! IMIHXX = 2 !
1: Maul-Carson for land and water cells		
-1: Maul-Carson for land cells only - OCD mixing height overwater		
2: Batchvarova and Gryning for land and water cells		
-2: Batchvarova and Gryning for land cells only OCD mixing height overwater		

Threshold buoyancy flux required to sustain convective mixing height growth overland (THRESHL) (expressed as a heat flux per meter of boundary layer)	Default: 0.0 units: W/m ³	! THRESHL = 0 !
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Threshold buoyancy flux required to sustain convective mixing height growth overwater (THRESHW) (expressed as a heat flux per meter of boundary layer)	Default: 0.05 units: W/m ³	! THRESHW = 0.05 !
--	--	--------------------

Option for overwater lapse rates used in convective mixing height growth (ITWPROG)	Default: 0	! ITWPROG = 0 !
--	------------	-----------------

CALMET.INP

- 0 : use SEA.DAT lapse rates and deltaT (or assume neutral conditions if missing)
- 1 : use prognostic lapse rates (only if IPROG>2) and SEA.DAT deltaT (or neutral if missing)
- 2 : use prognostic lapse rates and prognostic delta T (only if iprog>12 and 3D.DAT version# 2.0 or higher)

Land Use category ocean in 3D.DAT datasets
 (ILUOC3D) Default: 16 ! ILUOC3D = 16 !
 Note: if 3D.DAT from MM5 version 3.0, iluoc3d = 16
 if MM4.DAT, typically iluoc3d = 7

OTHER MIXING HEIGHT VARIABLES

Minimum potential temperature lapse rate in the stable layer above the current convective mixing ht. (DPTMIN) Default: 0.001 ! DPTMIN = 0.001 ! Units: deg. K/m

Depth of layer above current conv. mixing height through which lapse rate is computed (DZZI) Default: 200. ! DZZI = 200 ! Units: meters

Minimum overland mixing height (ZIMIN) Default: 50. ! ZIMIN = 50 ! Units: meters

Maximum overland mixing height (ZIMAX) Default: 3000. ! ZIMAX = 3000 ! Units: meters

Minimum overwater mixing height (ZIMINW) -- (Not used if observed overwater mixing hts. are used) Default: 50. ! ZIMINW = 1 ! Units: meters

Maximum overwater mixing height (ZIMAXW) -- (Not used if observed overwater mixing hts. are used) Default: 3000. ! ZIMAXW = 3000 ! Units: meters

OVERWATER SURFACE FLUXES METHOD and PARAMETERS

- (ICOARE) Default: 10 ! ICOARE = 11 !
- 0: original deltaT method (OCD)
- 10: COARE with no wave parameterization (jwave=0, Charnock)
- 11: COARE with wave option jwave=1 (Oost et al.) and default wave properties
- 11: COARE with wave option jwave=1 (Oost et al.) and observed wave properties (must be in SEA.DAT files)
- 12: COARE with wave option 2 (Taylor and Yelland) and default wave properties
- 12: COARE with wave option 2 (Taylor and Yelland) and observed wave properties (must be in SEA.DAT files)

Note: When ICOARE=0, similarity wind profile stability PSI functions based on Van Ulden and Holtslag (1985) are substituted for later formulations used with the COARE module, and temperatures used for surface layer parameters are obtained from either the nearest surface station temperature or prognostic model 2D temperatures (if ITPROG=2).

Coastal/Shallow water length scale (DSHELF)
 (for modified z0 in shallow water)
 (COARE fluxes only)

Default : 0. ! DSHELF = 0 !
 units: km

COARE warm layer computation (IWARM) ! IWARM = 0 !

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1: on - 0: off (must be off if SST measured with
IR radiometer) Default: 0

COARE cool skin layer computation (ICOOL) ! ICOOL = 0 !
1: on - 0: off (must be off if SST measured with
IR radiometer) Default: 0

RELATIVE HUMIDITY PARAMETERS

3D relative humidity from observations or
from prognostic data? (IRHPROG) Default:0 ! IRHPROG = 1 !

- 0 = Use RH from SURF.DAT file
(only if NOOBS = 0,1)
- 1 = Use prognostic RH
(only if NOOBS = 0,1,2)

TEMPERATURE PARAMETERS

3D temperature from observations or
from prognostic data? (ITPROG) Default:0 ! ITPROG = 2 !

- 0 = Use surface and upper air stations
(only if NOOBS = 0)
- 1 = Use surface stations (no upper air observations)
Use MM5/3D.DAT for upper air data
(only if NOOBS = 0,1)
- 2 = No surface or upper air observations
Use MM5/3D.DAT for surface and upper air data
(only if NOOBS = 0,1,2)

Interpolation type
(1 = 1/R ; 2 = 1/R**2) Default:1 ! IRAD = 1 !

Radius of influence for temperature
interpolation (TRADKM) Default: 500. ! TRADKM = 500 !
Units: km

Maximum Number of stations to include
in temperature interpolation (NUMTS) Default: 5 ! NUMTS = 5 !

Conduct spatial averaging of temp-
eratures (IAVET) (0=no, 1=yes) Default: 1 ! IAVET = 1 !
(will use mixing ht MNMDAV,HAFANG
so make sure they are correct)

Default temperature gradient
below the mixing height over
water (TGDEFB) Default: -.0098 ! TGDEFB = -0.0098 !
Units: K/m

Default temperature gradient
above the mixing height over
water (TGDEFA) Default: -.0045 ! TGDEFA = -0.0045 !
Units: K/m

Beginning (JWAT1) and ending (JWAT2)
land use categories for temperature
interpolation over water -- Make
bigger than largest land use to disable ! JWAT1 = 999 !
! JWAT2 = 999 !

PRECIP INTERPOLATION PARAMETERS

Method of interpolation (NFLAGP) Default: 2 ! NFLAGP = 2 !
(1=1/R,2=1/R**2,3=EXP/R**2)

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 Radius of Influence (SIGMAP) Default: 100.0 ! SIGMAP = 100 !
 (0.0 => use half dist. btwn Units: km
 nearest stns w & w/out
 precip when NFLAGP = 3)
 Minimum Precip. Rate Cutoff (CUTP) Default: 0.01 ! CUTP = 0.01 !
 (values <CUTP = 0.0 mm/hr) Units: mm/hr

!END!

 INPUT GROUP: 7 -- Surface meteorological station parameters

SURFACE STATION VARIABLES
 (One record per station -- 12 records in all)

1	2				
Name	ID	X coord. (km)	Y coord. (km)	Time zone	Anem. Ht.(m)

 1
 Four character string for station name
 (MUST START IN COLUMN 9)

2
 Six digit integer for station ID

!END!

 INPUT GROUP: 8 -- Upper air meteorological station parameters

UPPER AIR STATION VARIABLES
 (One record per station -- 3 records in all)

1	2			
Name	ID	X coord. (km)	Y coord. (km)	Time zone

 1
 Four character string for station name
 (MUST START IN COLUMN 9)

2
 Five digit integer for station ID

!END!

 INPUT GROUP: 9 -- Precipitation station parameters

PRECIPITATION STATION VARIABLES

(One record per station -- 2 records in all)
(NOT INCLUDED IF NPSTA = 0)

¹ Name	² Station Code	X coord. (km)	Y coord. (km)
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1
Four character string for station name
(MUST START IN COLUMN 9)

2
Six digit station code composed of state
code (first 2 digits) and station ID (last
4 digits)

!END!

----- Run title (3 lines) -----

CALMET MODEL CONTROL FILE

INPUT GROUP: 0 -- Input and Output File Names

Subgroup (a)

Default Name	Type	File Name
GEO.DAT	input	! GEODAT = ns_model_2_sm_geo\GEO.DAT !
SURF.DAT	input	! SRFDAT = ns_model_2_sm_met\SURF.DAT !
CLOUD.DAT	input	* CLDDAT = *
PRECIP.DAT	input	! PRCDAT = ns_model_2_sm_met\PRECIP.DAT !
WT.DAT	input	* WTDAT = *
CALMET.LST	output	! METLST = CALMET.LST !
CALMET.DAT	output	! METDAT = CALMET.DAT !
PACOUT.DAT	output	* PACDAT = *

All file names will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
 T = lower case ! LCFILES = F !
 F = UPPER CASE

NUMBER OF UPPER AIR & OVERWATER STATIONS:

Number of upper air stations (NUSTA) No default ! NUSTA = 0 !
 Number of overwater met stations
 (NOWSTA) No default ! NOWSTA = 0 !

NUMBER OF PROGNOSTIC and IGF-CALMET FILES:

Number of MM4/MM5/3D.DAT files
 (NM3D) No default ! NM3D = 1 !
 Number of IGF-CALMET.DAT files
 (NIGF) No default ! NIGF = 0 !

!END!

 Subgroup (b)

Upper air files (one per station)

Default Name	Type	File Name
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 Subgroup (c)

Overwater station files (one per station)

Default Name	Type	File Name
--------------	------	-----------

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 Subgroup (d)

MM4/MM5/3D.DAT files (consecutive or overlapping)

Default Name	Type	File Name
MM41.DAT	input	1 ! M3DDAT=..\..\EXTRAC~1\3D_FUL~1.DAT! !END!

 Subgroup (e)

IGF-CALMET.DAT files (consecutive or overlapping)

Default Name	Type	File Name
* IGFDATFILES = *		

 Subgroup (f)

Other file names

Default Name	Type	File Name
DIAG.DAT	input	* DIADAT = *
PROG.DAT	input	* PRGDAT = *
TEST.PRT	output	* TSTPRT = *
TEST.OUT	output	* TSTOUT = *
TEST.KIN	output	* TSTKIN = *
TEST.FRD	output	* TSTFRD = *
TEST.SLP	output	* TSTSLP = *
DCST.GRD	output	* DCSTGD = *

- NOTES: (1) File/path names can be up to 70 characters in length
 (2) Subgroups (a) and (f) must have ONE 'END' (surrounded by delimiters) at the end of the group
 (3) Subgroups (b) through (e) are included ONLY if the corresponding number of files (NUSTA, NOWSTA, NM3D, NIGF) is not 0, and each must have an 'END' (surround by delimiters) at the end of EACH LINE

!END!

 INPUT GROUP: 1 -- General run control parameters

Starting date:	Year (IBYR) --	No default	! IBYR = 2006 !
	Month (IBMO) --	No default	! IBMO = 1 !
	Day (IBDY) --	No default	! IBDY = 1 !
Starting time:	Hour (IBHR) --	No default	! IBHR = 0 !
	Second (IBSEC) --	No default	! IBSEC = 0 !
Ending date:	Year (IEYR) --	No default	! IEYR = 2007 !
	Month (IEMO) --	No default	! IEMO = 1 !
	Day (IEDY) --	No default	! IEDY = 1 !
Ending time:	Hour (IEHR) --	No default	! IEHR = 7 !
	Second (IESEC) --	No default	! IESEC = 0 !

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UTC time zone (ABTZ) -- No default ! ABTZ = UTC-0400 !
(character*8)
PST = UTC-0800, MST = UTC-0700 , GMT = UTC-0000
CST = UTC-0600, EST = UTC-0500

Length of modeling time-step (seconds)
Must divide evenly into 3600 (1 hour)
(NSECDT) Default:3600 ! NSECDT = 3600 !
Units: seconds

Run type (IRTYPE) -- Default: 1 ! IRTYPE = 1 !

0 = Computes wind fields only
1 = Computes wind fields and micrometeorological variables
(u*, w*, L, zi, etc.)
(IRTYPE must be 1 to run CALPUFF or CALGRID)

Compute special data fields required
by CALGRID (i.e., 3-D fields of w wind
components and temperature)
in additional to regular Default: T ! LCALGRD = T !
fields ? (LCALGRD)
(LCALGRD must be T to run CALGRID)

Flag to stop run after
SETUP phase (ITEST) Default: 2 ! ITEST = 2 !
(Used to allow checking
of the model inputs, files, etc.)
ITEST = 1 - STOPS program after SETUP phase
ITEST = 2 - Continues with execution of
COMPUTATIONAL phase after SETUP

Test options specified to see if
they conform to regulatory
values? (MREG) No Default ! MREG = 0 !

0 = NO checks are made
1 = Technical options must conform to USEPA guidance

IMIXH	-1	Maul-Carson convective mixing height over land; OCD mixing height overwater
ICOARE	0	OCD deltaT method for overwater fluxes
THRESHL	0.0	Threshold buoyancy flux over land needed to sustain convective mixing height growth
ISURFT	> 0 -2	Pick one representative station, OR in NOOBS mode (ITPROG=2) average all surface prognostic temperatures to get a single representative surface temp.
IUPT	> 0 -2	Pick one representative station, OR in NOOBS mode (ITPROG>0) average all surface prognostic temperatures to get a single representative surface temp.

!END!

INPUT GROUP: 2 -- Map Projection and Grid control parameters

Projection for all (X,Y):

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Map projection
(PMAP)

Default: UTM ! PMAP = UTM !

UTM : Universal Transverse Mercator
TTM : Tangential Transverse Mercator
LCC : Lambert Conformal Conic
PS : Polar Stereographic
EM : Equatorial Mercator
LAZA : Lambert Azimuthal Equal Area

False Easting and Northing (km) at the projection origin
(Used only if PMAP= TTM, LCC, or LAZA)

(FEAST) Default=0.0 ! FEAST = 0 !
(FNORTH) Default=0.0 ! FNORTH = 0 !

UTM zone (1 to 60)

(Used only if PMAP=UTM)

(IUTMZN) No Default ! IUTMZN = 20 !

Hemisphere for UTM projection?

(Used only if PMAP=UTM)

(UTMHEM) Default: N ! UTMHEM = N !

N : Northern hemisphere projection
S : Southern hemisphere projection

Latitude and Longitude (decimal degrees) of projection origin
(Used only if PMAP= TTM, LCC, PS, EM, or LAZA)

(RLAT0) No Default ! RLAT0 = 0.00N !
(RLON0) No Default ! RLON0 = 0.00E !

TTM : RLON0 identifies central (true N/S) meridian of projection
RLAT0 selected for convenience
LCC : RLON0 identifies central (true N/S) meridian of projection
RLAT0 selected for convenience
PS : RLON0 identifies central (grid N/S) meridian of projection
RLAT0 selected for convenience
EM : RLON0 identifies central meridian of projection
RLAT0 is REPLACED by 0.0N (Equator)
LAZA: RLON0 identifies longitude of tangent-point of mapping plane
RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection
(Used only if PMAP= LCC or PS)

(XLAT1) No Default ! XLAT1 = 30.00N !
(XLAT2) No Default ! XLAT2 = 60.00N !

LCC : Projection cone slices through Earth's surface at XLAT1 and XLAT2
PS : Projection plane slices through Earth at XLAT1
(XLAT2 is not used)

Note: Latitudes and longitudes should be positive, and include a
letter N,S,E, or W indicating north or south latitude, and
east or west longitude. For example,
35.9 N Latitude = 35.9N
118.7 E Longitude = 118.7E

Datum-region

The Datum-Region for the coordinates is identified by a character

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string. Many mapping products currently available use the model of the Earth known as the World Geodetic System 1984 (WGS-84). Other local models may be in use, and their selection in CALMET will make its output consistent with local mapping products. The list of Datum-Regions with official transformation parameters is provided by the National Imagery and Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)

WGS-84	WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
NAS-C	NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NAR-C	NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
NWS-84	NWS 6370KM Radius, Sphere
ESR-S	ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM) Default: WGS-84 ! DATUM = WGS-84 !

Horizontal grid definition:

Rectangular grid defined for projection PMAP,
with X the Easting and Y the Northing coordinate

No. X grid cells (NX)	No default	! NX = 80 !
No. Y grid cells (NY)	No default	! NY = 80 !
Grid spacing (DGRIDKM)	No default	! DGRIDKM = 1 !
	Units: km	

Reference grid coordinate of
SOUTHWEST corner of grid cell (1,1)

X coordinate (XORIGKM)	No default	! XORIGKM = 645.9710 !
Y coordinate (YORIGKM)	No default	! YORIGKM = 4813.7400 !
	Units: km	

Vertical grid definition:

No. of vertical layers (NZ)	No default	! NZ = 10 !
Cell face heights in arbitrary vertical grid (ZFACE(NZ+1))	No defaults	
	Units: m	
! ZFACE =		
0.00,20.00,40.00,80.00,160.00,320.00,640.00,1200.00,2000.00,3000.00,4000.00 !		

!END!

INPUT GROUP: 3 -- Output Options

DISK OUTPUT OPTION

Save met. fields in an unformatted output file ?	(LSAVE) Default: T	! LSAVE = T !
---	--------------------	---------------

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(F = Do not save, T = Save)

Type of unformatted output file:
 (IFORMO) Default: 1 ! IFORMO = 1 !
 1 = CALPUFF/CALGRID type file (CALMET.DAT)
 2 = MESOPUFF-II type file (PACOUT.DAT)

LINE PRINTER OUTPUT OPTIONS:

Print met. fields ? (LPRINT) Default: F ! LPRINT = F !
 (F = Do not print, T = Print)
 (NOTE: parameters below control which
 met. variables are printed)

Print interval
 (IPRINF) in hours Default: 1 ! IPRINF = 1 !
 (Meteorological fields are printed
 every 6 hours)

Specify which layers of U, V wind component
 to print (IUVOUT(NZ)) -- NOTE: NZ values must be entered
 (0=Do not print, 1=Print)
 (used only if LPRINT=T) Defaults: NZ*0
 * IUVOUT = *

Specify which levels of the w wind component to print
 (NOTE: w defined at TOP cell face -- 6 values)
 (IWOUT(NZ)) -- NOTE: NZ values must be entered
 (0=Do not print, 1=Print)
 (used only if LPRINT=T & LCALGRD=T)

 Defaults: NZ*0
 * IWOUT = *

Specify which levels of the 3-D temperature field to print
 (ITOUT(NZ)) -- NOTE: NZ values must be entered
 (0=Do not print, 1=Print)
 (used only if LPRINT=T & LCALGRD=T)

 Defaults: NZ*0
 * ITOUT = *

Specify which meteorological fields
 to print
 (used only if LPRINT=T) Defaults: 0 (all variables)

variable	Print ? (0 = do not print, 1 = print)
-----	-----

! STABILITY = 0 ! - PGT stability class
 ! USTAR = 0 ! - Friction velocity
 ! MONIN = 0 ! - Monin-Obukhov length
 ! MIXHT = 0 ! - Mixing height

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! WSTAR = 0 ! - Convective velocity scale
! PRECIP = 0 ! - Precipitation rate
! SENSHEAT = 0 ! - Sensible heat flux
! CONVZI = 0 ! - Convective mixing ht.

Testing and debug print options for micrometeorological module

Print input meteorological data and
internal variables (LDB) Default: F ! LDB = F !
(F = Do not print, T = print)
(NOTE: this option produces large amounts of output)

First time step for which debug data
are printed (NN1) Default: 1 ! NN1 = 1 !

Last time step for which debug data
are printed (NN2) Default: 1 ! NN2 = 1 !

Print distance to land
internal variables (LDBCST) Default: F ! LDBCST = F !
(F = Do not print, T = print)
(Output in .GRD file DCST.GRD, defined in input group 0)

Testing and debug print options for wind field module
(all of the following print options control output to
wind field module's output files: TEST.PRT, TEST.OUT,
TEST.KIN, TEST.FRD, and TEST.SLP)

Control variable for writing the test/debug
wind fields to disk files (IOUTD)
(0=Do not write, 1=write) Default: 0 ! IOUTD = 0 !

Number of levels, starting at the surface,
to print (NZPRN2) Default: 1 ! NZPRN2 = 1 !

Print the INTERPOLATED wind components ?
(IPR0) (0=no, 1=yes) Default: 0 ! IPR0 = 0 !

Print the TERRAIN ADJUSTED surface wind
components ?
(IPR1) (0=no, 1=yes) Default: 0 ! IPR1 = 0 !

Print the SMOOTHED wind components and
the INITIAL DIVERGENCE fields ?
(IPR2) (0=no, 1=yes) Default: 0 ! IPR2 = 0 !

Print the FINAL wind speed and direction
fields ?
(IPR3) (0=no, 1=yes) Default: 0 ! IPR3 = 0 !

Print the FINAL DIVERGENCE fields ?
(IPR4) (0=no, 1=yes) Default: 0 ! IPR4 = 0 !

Print the winds after KINEMATIC effects
are added ?
(IPR5) (0=no, 1=yes) Default: 0 ! IPR5 = 0 !

Print the winds after the FROUDE NUMBER
adjustment is made ?
(IPR6) (0=no, 1=yes) Default: 0 ! IPR6 = 0 !

Print the winds after SLOPE FLOWS

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are added ?
(IPR7) (0=no, 1=yes) Default: 0 ! IPR7 = 0 !
Print the FINAL wind field components ?
(IPR8) (0=no, 1=yes) Default: 0 ! IPR8 = 0 !

!END!

INPUT GROUP: 4 -- Meteorological data options

NO OBSERVATION MODE (NOOBS) Default: 0 ! NOOBS = 2 !
0 = Use surface, overwater, and upper air stations
1 = Use surface and overwater stations (no upper air observations)
Use MM4/MM5/3D.DAT for upper air data
2 = No surface, overwater, or upper air observations
Use MM4/MM5/3D.DAT for surface, overwater, and upper air data

NUMBER OF SURFACE & PRECIP. METEOROLOGICAL STATIONS

Number of surface stations (NSSTA) No default ! NSSTA = 0 !
Number of precipitation stations
(NPSTA=-1: flag for use of MM5/3D.DAT precip data)
(NPSTA) No default ! NPSTA = -1 !

CLOUD DATA OPTIONS

Gridded cloud fields:
(ICLOUD) Default: 0 ! ICLOUD = 3 !
ICLOUD = 0 - Gridded clouds not used
ICLOUD = 1 - Gridded CLOUD.DAT generated as OUTPUT
ICLOUD = 2 - Gridded CLOUD.DAT read as INPUT
ICLOUD = 3 - Gridded cloud cover from Prognostic Rel. Humidity
at 850mb (Teixera)
ICLOUD = 4 - Gridded cloud cover from Prognostic Rel. Humidity
at all levels (MM5toGrads algorithm)

FILE FORMATS

Surface meteorological data file format
(IFORMS) Default: 2 ! IFORMS = 2 !
(1 = unformatted (e.g., SMERGE output))
(2 = formatted (free-formatted user input))
Precipitation data file format
(IFORMP) Default: 2 ! IFORMP = 2 !
(1 = unformatted (e.g., PMERGE output))
(2 = formatted (free-formatted user input))
Cloud data file format
(IFORMC) Default: 2 ! IFORMC = 1 !
(1 = unformatted - CALMET unformatted output)
(2 = formatted - free-formatted CALMET output or user input)

!END!

INPUT GROUP: 5 -- Wind Field Options and Parameters

WIND FIELD MODEL OPTIONS

Model selection variable (IWFCOD) Default: 1 ! IWFCOD = 1 !
 0 = Objective analysis only
 1 = Diagnostic wind module

Compute Froude number adjustment
 effects ? (IFRADJ) Default: 1 ! IFRADJ = 1 !
 (0 = NO, 1 = YES)

Compute kinematic effects ? (IKINE) Default: 0 ! IKINE = 0 !
 (0 = NO, 1 = YES)

Use O'Brien procedure for adjustment
 of the vertical velocity ? (IOBR) Default: 0 ! IOBR = 0 !
 (0 = NO, 1 = YES)

Compute slope flow effects ? (ISLOPE) Default: 1 ! ISLOPE = 1 !
 (0 = NO, 1 = YES)

Extrapolate surface wind observations
 to upper layers ? (IEXTRP) Default: -4 ! IEXTRP = 1 !
 (1 = no extrapolation is done,
 2 = power law extrapolation used,
 3 = user input multiplicative factors
 for layers 2 - NZ used (see FEXTRP array)
 4 = similarity theory used
 -1, -2, -3, -4 = same as above except layer 1 data
 at upper air stations are ignored

Extrapolate surface winds even
 if calm? (ICALM) Default: 0 ! ICALM = 0 !
 (0 = NO, 1 = YES)

Layer-dependent biases modifying the weights of
 surface and upper air stations (BIAS(NZ))
 -1<=BIAS<=1
 Negative BIAS reduces the weight of upper air stations
 (e.g. BIAS=-0.1 reduces the weight of upper air stations
 by 10%; BIAS= -1, reduces their weight by 100 %)
 Positive BIAS reduces the weight of surface stations
 (e.g. BIAS= 0.2 reduces the weight of surface stations
 by 20%; BIAS=1 reduces their weight by 100%)
 Zero BIAS leaves weights unchanged (1/R**2 interpolation)
 Default: NZ*0

! BIAS = 0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0 !

Minimum distance from nearest upper air station
 to surface station for which extrapolation
 of surface winds at surface station will be allowed
 (RMIN2: Set to -1 for IEXTRP = 4 or other situations
 where all surface stations should be extrapolated)
 Default: 4. ! RMIN2 = 4 !

Use gridded prognostic wind field model
 output fields as input to the diagnostic
 wind field model (IPROG) Default: 0 ! IPROG = 14 !
 (0 = No, [IWFCOD = 0 or 1]
 1 = Yes, use CSUMM prog. winds as Step 1 field, [IWFCOD = 0]
 2 = Yes, use CSUMM prog. winds as initial guess field [IWFCOD = 1]
 3 = Yes, use winds from MM4.DAT file as Step 1 field [IWFCOD = 0]

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4 = Yes, use winds from MM4.DAT file as initial guess field [IWFCOD = 1]
5 = Yes, use winds from MM4.DAT file as observations [IWFCOD = 1]
13 = Yes, use winds from MM5/3D.DAT file as Step 1 field [IWFCOD = 0]
14 = Yes, use winds from MM5/3D.DAT file as initial guess field [IWFCOD = 1]
15 = Yes, use winds from MM5/3D.DAT file as observations [IWFCOD = 1]

Timestep (seconds) of the prognostic
model input data (ISTEPPGS) Default: 3600 ! ISTEPPGS = 3600 !

Use coarse CALMET fields as initial guess fields (IGFMET)
(overwrites IGF based on prognostic wind fields if any)
Default: 0 ! IGFMET = 0 !

RADIUS OF INFLUENCE PARAMETERS

Use varying radius of influence Default: F ! LVARY = F !
(if no stations are found within RMAX1,RMAX2,
or RMAX3, then the closest station will be used)

Maximum radius of influence over land
in the surface layer (RMAX1) No default ! RMAX1 = 0 !
Units: km

Maximum radius of influence over land
aloft (RMAX2) No default ! RMAX2 = 0 !
Units: km

Maximum radius of influence over water
(RMAX3) No default ! RMAX3 = 0 !
Units: km

OTHER WIND FIELD INPUT PARAMETERS

Minimum radius of influence used in
the wind field interpolation (RMIN) Default: 0.1 ! RMIN = 0.1 !
Units: km

Radius of influence of terrain
features (TERRAD) No default ! TERRAD = 20 !
Units: km

Relative weighting of the first
guess field and observations in the
SURFACE layer (R1) No default ! R1 = 0 !
(R1 is the distance from an
observational station at which the
observation and first guess field are
equally weighted) Units: km

Relative weighting of the first
guess field and observations in the
layers ALOFT (R2) No default ! R2 = 0 !
(R2 is applied in the upper layers
in the same manner as R1 is used in
the surface layer). Units: km

Relative weighting parameter of the
prognostic wind field data (RPROG) No default ! RPROG = 0 !
(Used only if IPROG = 1) Units: km

Maximum acceptable divergence in the
divergence minimization procedure
(DIVLIM) Default: 5.E-6 ! DIVLIM = 5E-6 !

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Maximum number of iterations in the
divergence min. procedure (NITER) Default: 50 ! NITER = 50 !

Number of passes in the smoothing
procedure (NSMTH(NZ))
NOTE: NZ values must be entered
 Default: 2,(mxnz-1)*4 ! NSMTH = 2,9*4 !

Maximum number of stations used in
each layer for the interpolation of
data to a grid point (NINTR2(NZ))
NOTE: NZ values must be entered Default: 99. ! NINTR2 = 10*99 !

Critical Froude number (CRITFN) Default: 1.0 ! CRITFN = 1 !

Empirical factor controlling the
influence of kinematic effects
(ALPHA) Default: 0.1 ! ALPHA = 0.1 !

Multiplicative scaling factor for
extrapolation of surface observations
to upper layers (FEXTR2(NZ)) Default: NZ*0.0
! FEXTR2 = 10*0 !
(Used only if IEXTRP = 3 or -3)

BARRIER INFORMATION

Number of barriers to interpolation
of the wind fields (NBAR) Default: 0 ! NBAR = 0 !

Level (1 to NZ) up to which barriers
apply (KBAR) Default: NZ ! KBAR = 10 !

THE FOLLOWING 4 VARIABLES ARE INCLUDED
ONLY IF NBAR > 0
NOTE: NBAR values must be entered No defaults
 for each variable Units: km

 X coordinate of BEGINNING
 of each barrier (XBBAR(NBAR)) ! XBBAR = !
 Y coordinate of BEGINNING
 of each barrier (YBBAR(NBAR)) ! YBBAR = !

 X coordinate of ENDING
 of each barrier (XEBAR(NBAR)) ! XEBAR = !
 Y coordinate of ENDING
 of each barrier (YEBAR(NBAR)) ! YEBAR = !

DIAGNOSTIC MODULE DATA INPUT OPTIONS

Surface temperature (IDIOPT1) Default: 0 ! IDIOPT1 = 0 !
0 = Compute internally from
 hourly surface observations or prognostic fields
1 = Read preprocessed values from
 a data file (DIAG.DAT)

Surface met. station to use for
the surface temperature (ISURFT) Default: -1 ! ISURFT = -1 !
(Must be a value from 1 to NSSTA,
or -1 to use 2-D spatially varying

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surface temperatures,
or -2 to use a domain-average prognostic
surface temperatures (only with ITPROG=2))
(Used only if IDIOPT1 = 0)

Temperature lapse rate used in the computation of terrain-induced circulations (IDIOPT2) Default: 0 ! IDIOPT2 = 0 !
0 = Compute internally from (at least) twice-daily upper air observations or prognostic fields
1 = Read hourly preprocessed values from a data file (DIAG.DAT)

Upper air station to use for the domain-scale lapse rate (IUPT) Default: -1 ! IUPT = -1 !
(Must be a value from 1 to NUSTA, or -1 to use 2-D spatially varying lapse rate, or -2 to use a domain-average prognostic lapse rate (only with ITPROG>0))
(Used only if IDIOPT2 = 0)

Depth through which the domain-scale lapse rate is computed (ZUPT) Default: 200. ! ZUPT = 200 !
(Used only if IDIOPT2 = 0) Units: meters

Initial Guess Field Winds (IDIOPT3) Default: 0 ! IDIOPT3 = 0 !
0 = Compute internally from observations or prognostic wind fields
1 = Read hourly preprocessed domain-average wind values from a data file (DIAG.DAT)

Upper air station to use for the initial guess winds (IUPWND) Default: -1 ! IUPWND = -1 !
(Must be a value from -1 to NUSTA, with -1 indicating 3-D initial guess fields, and IUPWND>1 domain-scaled (i.e. constant) IGF)
(Used only if IDIOPT3 = 0 and noobs=0)

Bottom and top of layer through which the domain-scale winds are computed (ZUPWND(1), ZUPWND(2)) Defaults: 1., 1000. ! ZUPWND= 1.0, 1.00 !
(Used only if IDIOPT3 = 0, NOOBS>0 and IUPWND>0) Units: meters

Observed surface wind components for wind field module (IDIOPT4) Default: 0 ! IDIOPT4 = 0 !
0 = Read WS, WD from a surface data file (SURF.DAT)
1 = Read hourly preprocessed U, V from a data file (DIAG.DAT)

Observed upper air wind components for wind field module (IDIOPT5) Default: 0 ! IDIOPT5 = 0 !
0 = Read WS, WD from an upper air data file (UP1.DAT, UP2.DAT, etc.)
1 = Read hourly preprocessed U, V from a data file (DIAG.DAT)

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LAKE BREEZE INFORMATION

Use Lake Breeze Module (LLBREZE) Default: F ! LLBREZE = F !

Number of lake breeze regions (NBOX) ! NBOX = 0 !

X Grid line 1 defining the region of interest ! XG1 = !

X Grid line 2 defining the region of interest ! XG2 = !

Y Grid line 1 defining the region of interest ! YG1 = !

Y Grid line 2 defining the region of interest ! YG2 = !

X Point defining the coastline (Straight line)
(XBCST) (KM) Default: none ! XBCST = !

Y Point defining the coastline (Straight line)
(YBCST) (KM) Default: none ! YBCST = !

X Point defining the coastline (Straight line)
(XECST) (KM) Default: none ! XECST = !

Y Point defining the coastline (Straight line)
(YECST) (KM) Default: none ! YECST = !

Number of stations in the region Default: none ! NLB = !
(Surface stations + upper air stations)

Station ID's in the region (METBXID(NLB))
(Surface stations first, then upper air stations)
! METBXID = !

!END!

INPUT GROUP: 6 -- Mixing Height, Temperature and Precipitation Parameters

EMPIRICAL MIXING HEIGHT CONSTANTS

Neutral, mechanical equation Default: 1.41 ! CONSTB = 1.41 !
(CONSTB)
Convective mixing ht. equation Default: 0.15 ! CONSTE = 0.15 !
(CONSTE)
Stable mixing ht. equation Default: 2400. ! CONSTN = 2400 !
(CONSTN)
Overwater mixing ht. equation Default: 0.16 ! CONSTW = 0.16 !
(CONSTW)
Absolute value of Coriolis Default: 1.E-4 ! FCORIOL = 0.0001 !
parameter (FCORIOL) Units: (1/s)

SPATIAL AVERAGING OF MIXING HEIGHTS

Conduct spatial averaging Default: 1 ! IAVEZI = 1 !
(IAVEZI) (0=no, 1=yes)

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Max. search radius in averaging process (MNMDAV) Default: 1 ! MNMDAV = 1 !
 Units: Grid cells

Half-angle of upwind looking cone for averaging (HAFANG) Default: 30. ! HAFANG = 30 !
 Units: deg.

Layer of winds used in upwind averaging (ILEVZI) Default: 1 ! ILEVZI = 1 !
 (must be between 1 and NZ)

CONVECTIVE MIXING HEIGHT OPTIONS:

Method to compute the convective mixing height(IMIHXH) Default: 1 ! IMIXH = 2 !
 1: Maul-Carson for land and water cells
 -1: Maul-Carson for land cells only -
 OCD mixing height overwater
 2: Batchvarova and Gryning for land and water cells
 -2: Batchvarova and Gryning for land cells only
 OCD mixing height overwater

Threshold buoyancy flux required to sustain convective mixing height growth overland (THRESHL) Default: 0.0 ! THRESHL = 0 !
 (expressed as a heat flux per meter of boundary layer) units: W/m³

Threshold buoyancy flux required to sustain convective mixing height growth overwater (THRESHW) Default: 0.05 ! THRESHW = 0.05 !
 (expressed as a heat flux per meter of boundary layer) units: W/m³

Option for overwater lapse rates used in convective mixing height growth (ITWPROG) Default: 0 ! ITWPROG = 2 !
 0 : use SEA.DAT lapse rates and deltaT (or assume neutral conditions if missing)
 1 : use prognostic lapse rates (only if IPROG>2) and SEA.DAT deltaT (or neutral if missing)
 2 : use prognostic lapse rates and prognostic delta T (only if iprog>12 and 3D.DAT version# 2.0 or higher)

Land Use category ocean in 3D.DAT datasets (ILUOC3D) Default: 16 ! ILUOC3D = 16 !
 Note: if 3D.DAT from MM5 version 3.0, iluoc3d = 16
 if MM4.DAT, typically iluoc3d = 7

OTHER MIXING HEIGHT VARIABLES

Minimum potential temperature lapse rate in the stable layer above the current convective mixing ht. (DPTMIN) Default: 0.001 ! DPTMIN = 0.001 !
 Units: deg. K/m

Depth of layer above current conv. mixing height through which lapse rate is computed (DZZI) Default: 200. ! DZZI = 200 !
 Units: meters

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Minimum overland mixing height (ZIMIN) Default: 50. ! ZIMIN = 50 !
 Units: meters
 Maximum overland mixing height (ZIMAX) Default: 3000. ! ZIMAX = 3000 !
 Units: meters
 Minimum overwater mixing height (ZIMINW) -- (Not used if observed overwater mixing hts. are used) Default: 50. ! ZIMINW = 1 !
 Units: meters
 Maximum overwater mixing height (ZIMAXW) -- (Not used if observed overwater mixing hts. are used) Default: 3000. ! ZIMAXW = 3000 !
 Units: meters

OVERWATER SURFACE FLUXES METHOD and PARAMETERS

(ICOARE) Default: 10 ! ICOARE = 11 !
 0: original deltaT method (OCD)
 10: COARE with no wave parameterization (jwave=0, Charnock)
 11: COARE with wave option jwave=1 (Oost et al.) and default wave properties
 -11: COARE with wave option jwave=1 (Oost et al.) and observed wave properties (must be in SEA.DAT files)
 12: COARE with wave option 2 (Taylor and Yelland) and default wave properties
 -12: COARE with wave option 2 (Taylor and Yelland) and observed wave properties (must be in SEA.DAT files)

Note: When ICOARE=0, similarity wind profile stability PSI functions based on Van Ulden and Holtslag (1985) are substituted for later formulations used with the COARE module, and temperatures used for surface layer parameters are obtained from either the nearest surface station temperature or prognostic model 2D temperatures (if ITPROG=2).

Coastal/shallow water length scale (DSHELF)
 (for modified z0 in shallow water)
 (COARE fluxes only)

Default : 0. ! DSHELF = 0 !
 units: km

COARE warm layer computation (IWARM) ! IWARM = 0 !
 1: on - 0: off (must be off if SST measured with IR radiometer) Default: 0

COARE cool skin layer computation (ICOOL) ! ICOOL = 0 !
 1: on - 0: off (must be off if SST measured with IR radiometer) Default: 0

RELATIVE HUMIDITY PARAMETERS

3D relative humidity from observations or from prognostic data? (IRHPROG) Default:0 ! IRHPROG = 1 !

0 = Use RH from SURF.DAT file (only if NOOBS = 0,1)
 1 = Use prognostic RH (only if NOOBS = 0,1,2)

TEMPERATURE PARAMETERS

3D temperature from observations or from prognostic data? (ITPROG) Default:0 ! ITPROG = 2 !

0 = Use surface and upper air stations

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- (only if NOOBS = 0)
- 1 = Use Surface stations (no upper air observations)
Use MM5/3D.DAT for upper air data
(only if NOOBS = 0,1)
- 2 = No surface or upper air observations
Use MM5/3D.DAT for surface and upper air data
(only if NOOBS = 0,1,2)

Interpolation type (1 = 1/R ; 2 = 1/R**2)	Default:1	! IRAD = 1 !
Radius of influence for temperature interpolation (TRADKM)	Default: 500. Units: km	! TRADKM = 500 !
Maximum Number of stations to include in temperature interpolation (NUMTS)	Default: 5	! NUMTS = 5 !
Conduct spatial averaging of temperatures (IAVET) (0=no, 1=yes) (will use mixing ht MNMDAV,HAFANG so make sure they are correct)	Default: 1	! IAVET = 1 !
Default temperature gradient below the mixing height over water (TGDEFB)	Default: -.0098 Units: K/m	! TGDEFB = -0.0098 !
Default temperature gradient above the mixing height over water (TGDEFA)	Default: -.0045 Units: K/m	! TGDEFA = -0.0045 !
Beginning (JWAT1) and ending (JWAT2) land use categories for temperature interpolation over water -- Make bigger than largest land use to disable		! JWAT1 = 999 ! ! JWAT2 = 999 !

PRECIP INTERPOLATION PARAMETERS

Method of interpolation (NFLAGP) (1=1/R,2=1/R**2,3=EXP/R**2)	Default: 2	! NFLAGP = 2 !
Radius of Influence (SIGMAP) (0.0 => use half dist. btwn nearest stns w & w/out precip when NFLAGP = 3)	Default: 100.0 Units: km	! SIGMAP = 100 !
Minimum Precip. Rate Cutoff (CUTP) (values <CUTP = 0.0 mm/hr)	Default: 0.01 Units: mm/hr	! CUTP = 0.01 !

!END!

 INPUT GROUP: 7 -- surface meteorological station parameters

SURFACE STATION VARIABLES
 (One record per station -- 12 records in all)

1	2				
Name	ID	X coord. (km)	Y coord. (km)	Time zone	Anem. Ht. (m)

1 Four character string for station name
(MUST START IN COLUMN 9)
2 Six digit integer for station ID
!END!

INPUT GROUP: 8 -- Upper air meteorological station parameters

UPPER AIR STATION VARIABLES
(One record per station -- 3 records in all)

1	2			
Name	ID	X coord.	Y coord.	Time zone
		(km)	(km)	

1 Four character string for station name
(MUST START IN COLUMN 9)
2 Five digit integer for station ID
!END!

INPUT GROUP: 9 -- Precipitation station parameters

PRECIPITATION STATION VARIABLES
(One record per station -- 2 records in all)
(NOT INCLUDED IF NPSTA = 0)

1	2		
Name	Station Code	X coord.	Y coord.
		(km)	(km)

1 Four character string for station name
(MUST START IN COLUMN 9)
2 Six digit station code composed of state
code (first 2 digits) and station ID (last
4 digits)
!END!



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APPENDIX B

Platform/FPSO Representations

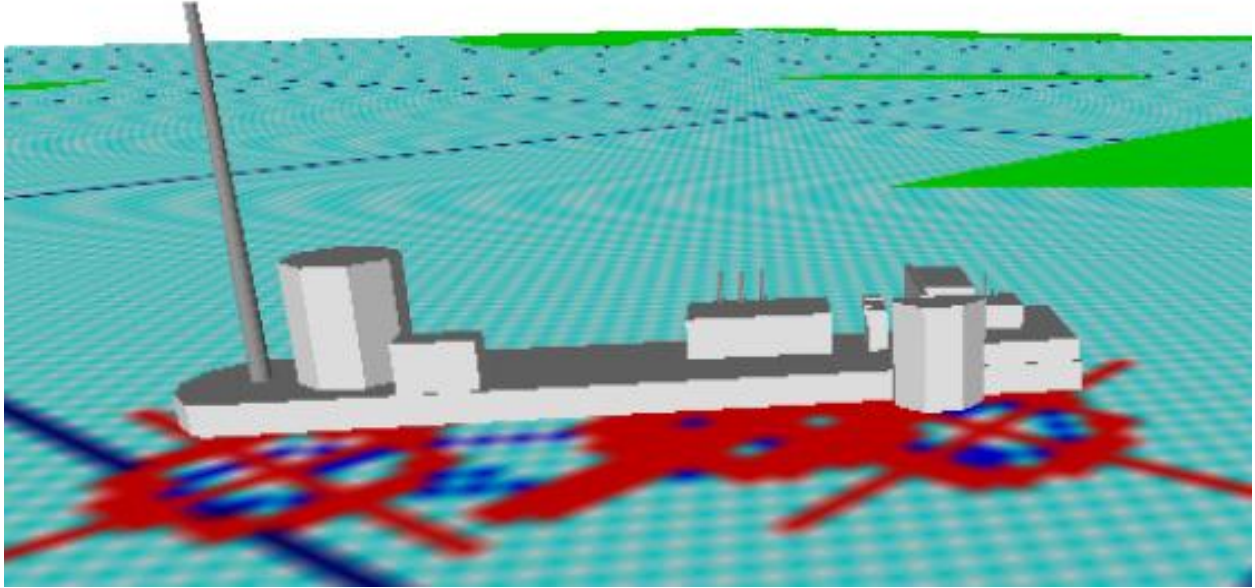


Figure B1 Representation of the SeaRose FPSO for downwash consideration

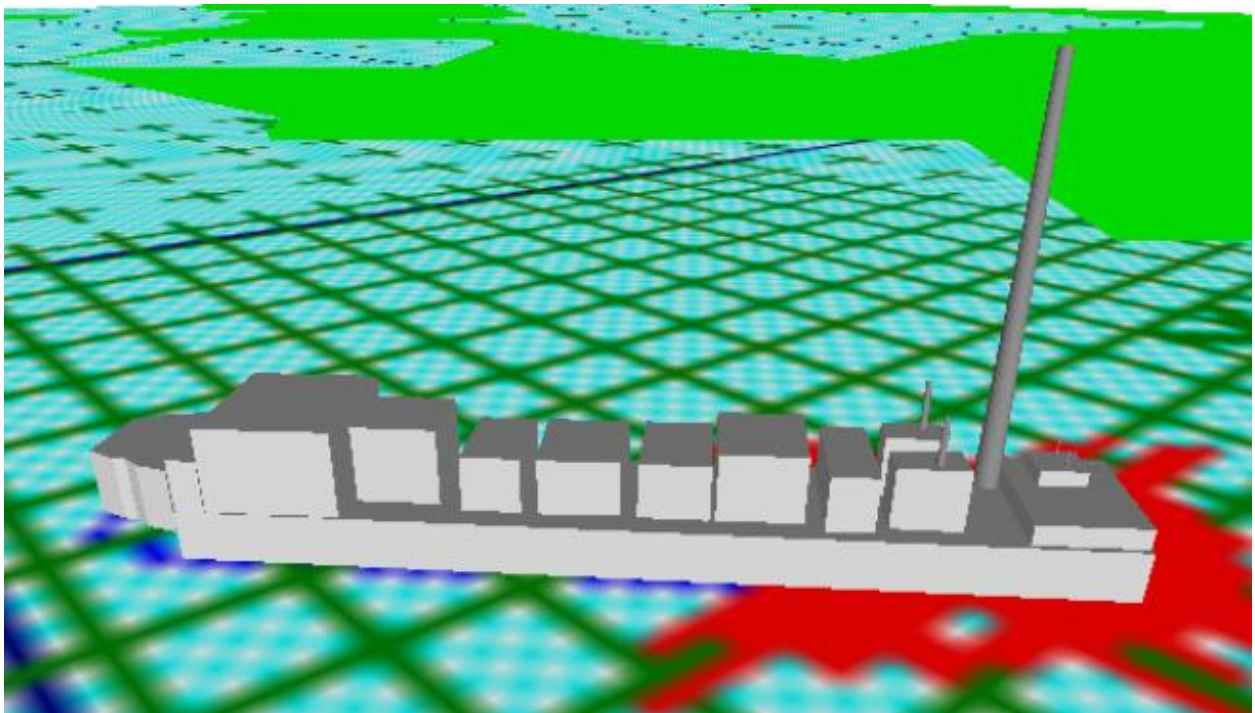


Figure B2 Representation of the Terra Nova FPSO for downwash consideration

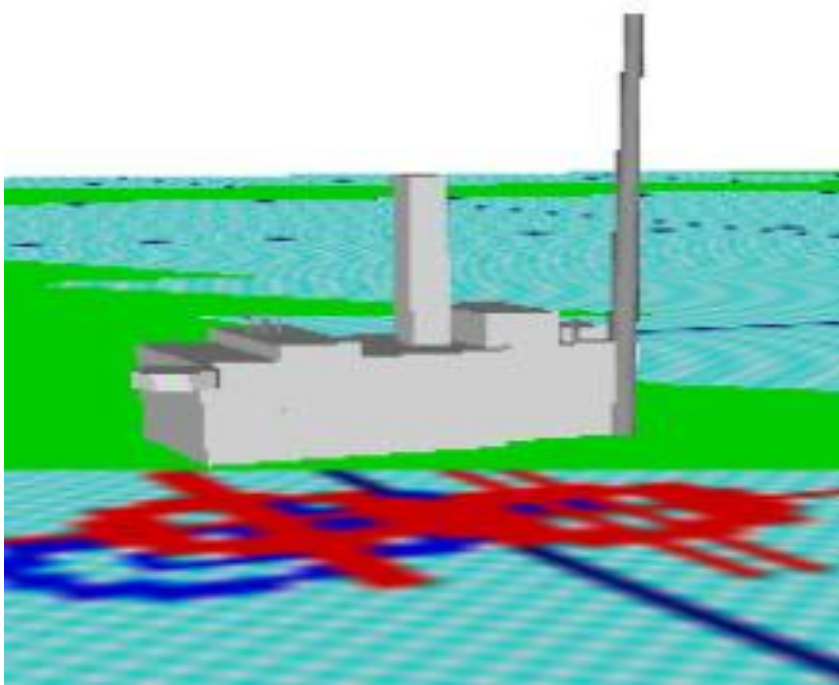


Figure B3 Representation of the Hebron Platform for downwash consideration

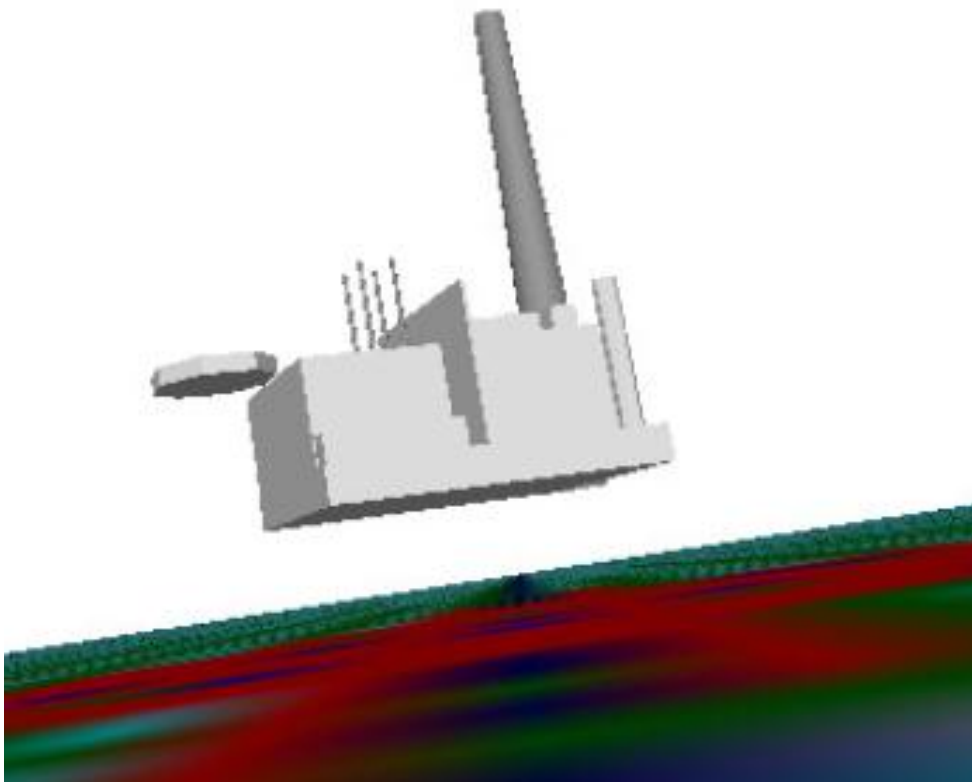


Figure B4 Representation of the Deep Panuke Platform for downwash consideration



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APPENDIX C CALPUFF Input Files

NL_Model1

----- Run title (3 lines) -----

CALPUFF MODEL CONTROL FILE

INPUT GROUP: 0 -- Input and Output File Names

Default Name	Type	File Name
CALMET.DAT	input	! METDAT = CALMET.DAT !
or		
ISCMET.DAT	input	* ISCDAT = *
or		
PLMMET.DAT	input	* PLMDAT = *
or		
PROFILE.DAT	input	* PRFDAT = *
SURFACE.DAT	input	* SFCDAT = *
RESTARTB.DAT	input	* RSTARTB = *

CALPUFF.LST	output	! PUFLST = E:\Modelling\nl_model__2_planned_sm\CALPUFF.LST !
CONC.DAT	output	! CONDAT = CONC.DAT !
DFLX.DAT	output	! DFDAT = DFLX.DAT !
WFLX.DAT	output	! WFDAT = WFLX.DAT !
VISB.DAT	output	! VISDAT = VISB.DAT !
TK2D.DAT	output	* T2DDAT = *
RHO2D.DAT	output	* RHODAT = *
RESTARTE.DAT	output	* RSTARTE = *

Emission Files		
PTEMARB.DAT	input	* PTDAT = *
VOLEMARB.DAT	input	* VOLDAT = *
BAEMARB.DAT	input	* ARDAT = *
LNEMARB.DAT	input	* LNDAT = *

Other Files		
OZONE.DAT	input	* OZDAT = *
VD.DAT	input	* VDDAT = *
CHEM.DAT	input	* CHEMDAT = *
AUX	input	! AUXEXT = aux !
(Extension added to METDAT filename(s) for files with auxiliary 2D and 3D data)		
H2O2.DAT	input	* H2O2DAT = *
NH3Z.DAT	input	* NH3ZDAT = *
HILL.DAT	input	* HILDAT = *
HILLRCT.DAT	input	* RCTDAT = *
COASTLN.DAT	input	* CSTDAT = *
FLUXBDY.DAT	input	* BDYDAT = *
BCON.DAT	input	* BCNDAT = *
DEBUG.DAT	output	* DEBUG = *
MASSFLX.DAT	output	* FLXDAT = *
MASSBAL.DAT	output	! BALDAT = MASSBAL.DAT !
FOG.DAT	output	* FOGDAT = *
RISE.DAT	output	* RISDAT = *
PFTRAK.DAT	output	* TRKDAT = *

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All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
T = lower case ! LCFILES = F !
F = UPPER CASE

NOTE: (1) file/path names can be up to 132 characters in length

Provision for multiple input files

- Number of CALMET.DAT Domains (NMETDOM)
Default: 1 ! NMETDOM = 1 !
- Number of CALMET.DAT files (NMETDAT)
(Total for ALL Domains)
Default: 1 ! NMETDAT = 1 !
- Number of PTEMARB.DAT files for run (NPTDAT)
Default: 0 ! NPTDAT = 0 !
- Number of BAEMARB.DAT files for run (NARDAT)
Default: 0 ! NARDAT = 0 !
- Number of VOLEMARB.DAT files for run (NVOLDAT)
Default: 0 ! NVOLDAT = 0 !

!END!

Subgroup (0a)

Provide a name for each CALMET domain if NMETDOM > 1
Enter NMETDOM lines.

Default Name	Domain Name
-----	-----

* DOMAINLIST = *

The following CALMET.DAT filenames are processed in sequence
if NMETDAT > 1

Enter NMETDAT lines, 1 line for each file name.

Default Name	Type	File Name
-----	-----	-----
none	input	* METDAT= * *END*

- a
The name for each CALMET domain and each CALMET.DAT file is treated as a separate input subgroup and therefore must end with an input group terminator.
- b
Use DOMAIN1= to assign the name for the outermost CALMET domain.
Use DOMAIN2= to assign the name for the next inner CALMET domain.
Use DOMAIN3= to assign the name for the next inner CALMET domain, etc.

when inner domains with equal resolution (grid-cell size) overlap, the data from the FIRST such domain in the list will be used if all other criteria for choosing the controlling grid domain are inconclusive.
--

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c Use METDAT1= to assign the file names for the outermost CALMET domain.
Use METDAT2= to assign the file names for the next inner CALMET domain.
Use METDAT3= to assign the file names for the next inner CALMET domain, etc.
d The filenames for each domain must be provided in sequential order

Subgroup (0b)

The following PTEMARB.DAT filenames are processed in sequence if NPTDAT>0

Default Name	Type	File Name
* PTDATLIST = *		

Subgroup (0c)

The following BAEMARB.DAT filenames are processed in sequence if NARDAT>0

Default Name	Type	File Name
* ARDATLIST = *		

Subgroup (0d)

The following VOLEMARB.DAT filenames are processed in sequence if NARDAT>0

Default Name	Type	File Name
* VOLDATLIST = *		

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in met. file

Starting date:	Year (IBYR) -- No default ! IBYR = 2005 !
	Month (IBMO) -- No default ! IBMO = 12 !
	Day (IBDY) -- No default ! IBDY = 30 !
Starting time:	Hour (IBHR) -- No default ! IBHR = 0 !
	Minute (IBMIN) -- No default ! IBMIN = 0 !
	Second (IBSEC) -- No default ! IBSEC = 0 !
Ending date:	Year (IEYR) -- No default ! IEYR = 2007 !
	Month (IEMO) -- No default ! IEMO = 1 !
	Day (IEDY) -- No default ! IEDY = 1 !
Ending time:	Hour (IEHR) -- No default ! IEHR = 20 !

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Minute (IEMIN) -- No default ! IEMIN = 0 !
Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

Base time zone: (ABTZ) -- No default ! ABTZ = UTC-0300 !
(character*8)

The modeling domain may span multiple time zones. ABTZ defines the base time zone used for the entire simulation. This must match the base time zone of the meteorological data.

Examples:

Los Angeles, USA = UTC-0800
New York, USA = UTC-0500
Santiago, Chile = UTC-0400
Greenwich Mean Time (GMT) = UTC+0000
Rome, Italy = UTC+0100
Cape Town, S.Africa = UTC+0200
Sydney, Australia = UTC+1000

Length of modeling time-step (seconds)

Equal to update period in the primary meteorological data files, or an integer fraction of it (1/2, 1/3 ...)

Must be no larger than 1 hour

(NSECDT) Default: 3600 ! NSECDT = 3600 !
Units: seconds

Number of chemical species (NSPEC)

Default: 5 ! NSPEC = 6 !

Number of chemical species to be emitted (NSE)

Default: 3 ! NSE = 2 !

Flag to stop run after

SETUP phase (ITEST)

Default: 2 ! ITEST = 2 !

(Used to allow checking of the model inputs, files, etc.)

ITEST = 1 - STOPS program after SETUP phase

ITEST = 2 - Continues with execution of program after SETUP

Restart Configuration:

Control flag (MRESTART) Default: 0 ! MRESTART = 0 !

0 = Do not read or write a restart file

1 = Read a restart file at the beginning of the run

2 = Write a restart file during run

3 = Read a restart file at beginning of run and write a restart file during run

Number of periods in Restart

output cycle (NRESPD) Default: 0 ! NRESPD = 0 !

0 = File written only at last period

>0 = File updated every NRESPD periods

Meteorological Data Format (METFM)

Default: 1 ! METFM = 1 !

METFM = 1 - CALMET binary file (CALMET.MET)

METFM = 2 - ISC ASCII file (ISCMET.MET)

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METFM = 3 - AUSPLUME ASCII file (PLMMET.MET)
 METFM = 4 - CTDM plus tower file (PROFILE.DAT) and
 surface parameters file (SURFACE.DAT)
 METFM = 5 - AERMET tower file (PROFILE.DAT) and
 surface parameters file (SURFACE.DAT)

Meteorological Profile Data Format (MPRFFM)
 (used only for METFM = 1, 2, 3)
 Default: 1 ! MPRFFM = 1 !

MPRFFM = 1 - CTDM plus tower file (PROFILE.DAT)
 MPRFFM = 2 - AERMET tower file (PROFILE.DAT)

PG sigma-y is adjusted by the factor (AVET/PGTIME)**0.2
 Averaging Time (minutes) (AVET) Default: 60.0 ! AVET = 60 !
 PG Averaging Time (minutes) (PGTIME) Default: 60.0 ! PGTIME = 60 !

!END!

 INPUT GROUP: 2 -- Technical options

Vertical distribution used in the
 near field (MGAUSS) Default: 1 ! MGAUSS = 1 !
 0 = uniform
 1 = Gaussian

Terrain adjustment method
 (MCTADJ) Default: 3 ! MCTADJ = 3 !
 0 = no adjustment
 1 = ISC-type of terrain adjustment
 2 = simple, CALPUFF-type of terrain
 adjustment
 3 = partial plume path adjustment

Subgrid-scale complex terrain
 flag (MCTSG) Default: 0 ! MCTSG = 0 !
 0 = not modeled
 1 = modeled

Near-field puffs modeled as
 elongated slugs? (MSLUG) Default: 0 ! MSLUG = 0 !
 0 = no
 1 = yes (slug model used)

Transitional plume rise modeled?
 (MTRANS) Default: 1 ! MTRANS = 1 !
 0 = no (i.e., final rise only)
 1 = yes (i.e., transitional rise computed)

Stack tip downwash? (MTIP) Default: 1 ! MTIP = 1 !
 0 = no (i.e., no stack tip downwash)
 1 = yes (i.e., use stack tip downwash)

Method used to compute plume rise for
 point sources not subject to building

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downwash? (MRISE) Default: 1 ! MRISE = 1 !
 1 = Briggs plume rise
 2 = Numerical plume rise

Method used to simulate building
 downwash? (MBDW) Default: 1 ! MBDW = 2 !
 1 = ISC method
 2 = PRIME method

Vertical wind shear modeled above
 stack top? (MSHEAR) Default: 0 ! MSHEAR = 0 !
 0 = no (i.e., vertical wind shear not modeled)
 1 = yes (i.e., vertical wind shear modeled)

Puff splitting allowed? (MSPLIT) Default: 0 ! MSPLIT = 1 !
 0 = no (i.e., puffs not split)
 1 = yes (i.e., puffs are split)

Chemical mechanism flag (MCHEM) Default: 1 ! MCHEM = 6 !
 0 = chemical transformation not modeled
 1 = transformation rates computed internally (MESOPUFF II scheme)
 2 = user-specified transformation rates used
 3 = transformation rates computed internally (RIVAD/ARM3 scheme)
 4 = secondary organic aerosol formation computed (MESOPUFF II scheme for OH)
 5 = user-specified half-life with or without transfer to child species
 6 = transformation rates computed internally (Updated RIVAD scheme with ISORROPIA equilibrium)
 7 = transformation rates computed internally (Updated RIVAD scheme with ISORROPIA equilibrium and CalTech SOA)

Aqueous phase transformation flag (MAQCHEM) Default: 0 ! MAQCHEM = 1 !
 (Used only if MCHEM = 6, or 7)
 0 = aqueous phase transformation not modeled
 1 = transformation rates and wet scavenging coefficients adjusted for in-cloud aqueous phase reactions (adapted from RADM cloud model implementation in CMAQ/SCICHEM)

Liquid Water Content flag (MLWC) Default: 1 ! MLWC = 0 !
 (Used only if MAQCHEM = 1)
 0 = water content estimated from cloud cover and presence of precipitation
 1 = gridded cloud water data read from CALMET water content output files (filenames are the CALMET.DAT names PLUS the extension AUXEXT provided in Input Group 0)

Wet removal modeled ? (MWET) Default: 1 ! MWET = 0 !
 0 = no
 1 = yes

Dry deposition modeled ? (MDRY) Default: 1 ! MDRY = 0 !
 0 = no

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1 = yes
(dry deposition method specified
for each species in Input Group 3)

Gravitational settling (plume tilt)
modeled ? (MTILT) Default: 0 ! MTILT = 0 !
0 = no
1 = yes
(puff center falls at the gravitational
settling velocity for 1 particle species)

Restrictions:

- MDRY = 1
- NSPEC = 1 (must be particle species as well)
- sg = 0 GEOMETRIC STANDARD DEVIATION in Group 8 is
set to zero for a single particle diameter

Method used to compute dispersion
coefficients (MDISP) Default: 3 ! MDISP = 2 !

- 1 = dispersion coefficients computed from measured values
of turbulence, sigma v, sigma w
- 2 = dispersion coefficients from internally calculated
sigma v, sigma w using micrometeorological variables
(u*, w*, L, etc.)
- 3 = PG dispersion coefficients for RURAL areas (computed using
the ISCST multi-segment approximation) and MP coefficients in
urban areas
- 4 = same as 3 except PG coefficients computed using
the MESOPUFF II eqns.
- 5 = CTDM sigmas used for stable and neutral conditions.
For unstable conditions, sigmas are computed as in
MDISP = 3, described above. MDISP = 5 assumes that
measured values are read

Sigma-v/sigma-theta, sigma-w measurements used? (MTURBVW)
(Used only if MDISP = 1 or 5) Default: 3 ! MTURBVW = 3 !

- 1 = use sigma-v or sigma-theta measurements
from PROFILE.DAT to compute sigma-y
(valid for METFM = 1, 2, 3, 4, 5)
- 2 = use sigma-w measurements
from PROFILE.DAT to compute sigma-z
(valid for METFM = 1, 2, 3, 4, 5)
- 3 = use both sigma-(v/theta) and sigma-w
from PROFILE.DAT to compute sigma-y and sigma-z
(valid for METFM = 1, 2, 3, 4, 5)
- 4 = use sigma-theta measurements
from PLMMET.DAT to compute sigma-y
(valid only if METFM = 3)

Back-up method used to compute dispersion
when measured turbulence data are
missing (MDISP2) Default: 3 ! MDISP2 = 3 !
(used only if MDISP = 1 or 5)

- 2 = dispersion coefficients from internally calculated
sigma v, sigma w using micrometeorological variables
(u*, w*, L, etc.)
- 3 = PG dispersion coefficients for RURAL areas (computed using
the ISCST multi-segment approximation) and MP coefficients in
urban areas
- 4 = same as 3 except PG coefficients computed using
the MESOPUFF II eqns.

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[DIAGNOSTIC FEATURE]

Method used for Lagrangian timescale for Sigma-y
(used only if MDISP=1,2 or MDISP2=1,2)

(MTAULY) Default: 0 ! MTAULY = 0 !
0 = Draxler default 617.284 (s)
1 = Computed as Lag. Length / (.75 q) -- after SCIPUFF
10 <Direct user input (s) -- e.g., 306.9

[DIAGNOSTIC FEATURE]

Method used for Advective-Decay timescale for Turbulence
(used only if MDISP=2 or MDISP2=2)

(MTAUADV) Default: 0 ! MTAUADV = 0 !
0 = No turbulence advection
1 = Computed (OPTION NOT IMPLEMENTED)
10 <Direct user input (s) -- e.g., 800

Method used to compute turbulence sigma-v &
sigma-w using micrometeorological variables
(Used only if MDISP = 2 or MDISP2 = 2)

(MCTURB) Default: 1 ! MCTURB = 1 !
1 = Standard CALPUFF subroutines
2 = AERMOD subroutines

PG sigma-y,z adj. for roughness?

(MROUGH) Default: 0 ! MROUGH = 0 !
0 = no
1 = yes

Partial plume penetration of
elevated inversion modeled for
point sources?

(MPARTL) Default: 1 ! MPARTL = 1 !
0 = no
1 = yes

Partial plume penetration of
elevated inversion modeled for
buoyant area sources?

(MPARTLBA) Default: 1 ! MPARTLBA = 0 !
0 = no
1 = yes

Strength of temperature inversion
provided in PROFILE.DAT extended records?

(MTINV) Default: 0 ! MTINV = 0 !
0 = no (computed from measured/default gradients)
1 = yes

PDF used for dispersion under convective conditions?

(MPDF) Default: 0 ! MPDF = 0 !
0 = no
1 = yes

Sub-Grid TIBL module used for shore line?

(MSGTIBL) Default: 0 ! MSGTIBL = 0 !
0 = no
1 = yes

Boundary conditions (concentration) modeled? Default: 0 ! MBCON = 0 !

(MBCON)
 0 = no
 1 = yes, using formatted BCON.DAT file
 2 = yes, using unformatted CONC.DAT file

Note: MBCON > 0 requires that the last species modeled be 'BCON'. Mass is placed in species BCON when generating boundary condition puffs so that clean air entering the modeling domain can be simulated in the same way as polluted air. Specify zero emission of species BCON for all regular sources.

Individual source contributions saved? Default: 0 ! MSOURCE = 0 !

(MSOURCE)
 0 = no
 1 = yes

Analyses of fogging and icing impacts due to emissions from arrays of mechanically-forced cooling towers can be performed using CALPUFF in conjunction with a cooling tower emissions processor (CTEMISS) and its associated postprocessors. Hourly emissions of water vapor and temperature from each cooling tower cell are computed for the current cell configuration and ambient conditions by CTEMISS. CALPUFF models the dispersion of these emissions and provides cloud information in a specialized format for further analysis. Output to FOG.DAT is provided in either 'plume mode' or 'receptor mode' format.

Configure for FOG Model output? Default: 0 ! MFOG = 0 !

(MFOG)
 0 = no
 1 = yes - report results in PLUME Mode format
 2 = yes - report results in RECEPTOR Mode format

Test options specified to see if they conform to regulatory values? (MREG) Default: 1 ! MREG = 0 !

0 = NO checks are made
 1 = Technical options must conform to USEPA Long Range Transport (LRT) guidance

METFM	1 or 2
AVET	60. (min)
PGTIME	60. (min)
MGAUSS	1
MCTADJ	3
MTRANS	1
MTIP	1
MRISE	1
MCHEM	1 or 3 (if modeling SOx, NOx)
MWET	1
MDRY	1
MDISP	2 or 3
MPDF	0 if MDISP=3 1 if MDISP=2
MROUGH	0
MPARTL	1

```

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MPARTLBA 0
SYTDEP 550. (m)
MHFTSZ 0
SVMIN 0.5 (m/s)

```

!END!

INPUT GROUP: 3a, 3b -- Species list

Subgroup (3a)

The following species are modeled:

```

! CSPEC =      SO2 !           !END!
! CSPEC =      SO4 !           !END!
! CSPEC =       NO !           !END!
! CSPEC =      NO2 !           !END!
! CSPEC =     HNO3 !           !END!
! CSPEC =      NO3 !           !END!

```

GROUP SPECIES NAME (Limit: 12 CGRUP, Characters CGRUP, in length)	MODELED (0=NO, 1=YES)	EMITTED (0=NO, 1=YES)	Dry			OUTPUT
			DEPOSITED (0=NO, 1=COMPUTED-GAS 2=COMPUTED-PARTICLE 3=USER-SPECIFIED)	NUMBER (0=NONE, 1=1st 2=2nd 3= etc.)		
! SO2 =	1,	0,	1,	0	!	
! SO4 =	1,	0,	2,	0	!	
! NO =	1,	1,	1,	0	!	
! NO2 =	1,	1,	1,	0	!	
! HNO3 =	1,	0,	1,	0	!	
! NO3 =	1,	0,	2,	0	!	

!END!

Note: The last species in (3a) must be 'BCON' when using the boundary condition option (MBCON > 0). Species BCON should typically be modeled as inert (no chem transformation or removal).

Subgroup (3b)

The following names are used for species-Groups in which results for certain species are combined (added) prior to output. The CGRUP name will be used as the species name in output files. Use this feature to model specific particle-size distributions by treating each size-range as a separate species. Order must be consistent with 3(a) above.

 INPUT GROUP: 4 -- Map Projection and Grid control parameters

Projection for all (X,Y):

Map projection
 (PMAP)

Default: UTM ! PMAP = UTM !

- UTM : Universal Transverse Mercator
- TTM : Tangential Transverse Mercator
- LCC : Lambert Conformal Conic
- PS : Polar Stereographic
- EM : Equatorial Mercator
- LAZA : Lambert Azimuthal Equal Area

False Easting and Northing (km) at the projection origin
 (Used only if PMAP= TTM, LCC, or LAZA)

(FEAST) Default=0.0 ! FEAST = 0 !
 (FNORTH) Default=0.0 ! FNORTH = 0 !

UTM zone (1 to 60)

(Used only if PMAP=UTM)

(IUTMZN) No Default ! IUTMZN = 22 !

Hemisphere for UTM projection?

(Used only if PMAP=UTM)

(UTMHEM) Default: N ! UTMHEM = N !

- N : Northern hemisphere projection
- S : Southern hemisphere projection

Latitude and Longitude (decimal degrees) of projection origin

(Used only if PMAP= TTM, LCC, PS, EM, or LAZA)

(RLAT0) No Default ! RLAT0 = 0N !

(RLON0) No Default ! RLON0 = 0E !

- TTM : RLON0 identifies central (true N/S) meridian of projection
 RLAT0 selected for convenience
- LCC : RLON0 identifies central (true N/S) meridian of projection
 RLAT0 selected for convenience
- PS : RLON0 identifies central (grid N/S) meridian of projection
 RLAT0 selected for convenience
- EM : RLON0 identifies central meridian of projection
 RLAT0 is REPLACED by 0.0N (Equator)
- LAZA: RLON0 identifies longitude of tangent-point of mapping plane
 RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection

(Used only if PMAP= LCC or PS)

(XLAT1) No Default ! XLAT1 = 30N !

(XLAT2) No Default ! XLAT2 = 60N !

- LCC : Projection cone slices through Earth's surface at XLAT1 and XLAT2
- PS : Projection plane slices through Earth at XLAT1
 (XLAT2 is not used)

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Note: Latitudes and longitudes should be positive, and include a letter N,S,E, or W indicating north or south latitude, and east or west longitude. For example,
35.9 N Latitude = 35.9N
118.7 E Longitude = 118.7E

Datum-region

The Datum-Region for the coordinates is identified by a character string. Many mapping products currently available use the model of the Earth known as the world Geodetic System 1984 (WGS-84). Other local models may be in use, and their selection in CALMET will make its output consistent with local mapping products. The list of Datum-Regions with official transformation parameters is provided by the National Imagery and Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)

WGS-84 WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
NAS-C NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NAR-C NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
NWS-84 NWS 6370KM Radius, Sphere
ESR-S ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM) Default: WGS-84 ! DATUM = WGS-84 !

METEOROLOGICAL Grid (outermost if nested CALMET grids are used):

Rectangular grid defined for projection PMAP,
with X the Easting and Y the Northing coordinate

No. X grid cells (NX) No default ! NX = 100 !
No. Y grid cells (NY) No default ! NY = 100 !
No. vertical layers (NZ) No default ! NZ = 10 !

Grid spacing (DGRIDKM) No default ! DGRIDKM = 1 !
Units: km

Cell face heights
(ZFACE(nz+1)) No defaults
Units: m

! ZFACE = 0.0, 20.0, 40.0, 80.0, 160.0, 320.0, 640.0, 1200.0, 2000.0, 3000.0, 4000.0 !

Reference Coordinates
of SOUTHWEST corner of
grid cell(1, 1):

X coordinate (XORIGKM) No default ! XORIGKM = 657.5660 !
Y coordinate (YORIGKM) No default ! YORIGKM = 5124.9600 !
Units: km

COMPUTATIONAL Grid:

The computational grid is identical to or a subset of the MET. grid. The lower left (LL) corner of the computational grid is at grid point (IBCOMP, JBCOMP) of the MET. grid. The upper right (UR) corner of the computational grid is at grid point (IECOMP, JECOMP) of the MET. grid.

The grid spacing of the computational grid is the same as the MET. grid.

X index of LL corner (IBCOMP) (1 <= IBCOMP <= NX)	No default	! IBCOMP = 1 !
Y index of LL corner (JBCOMP) (1 <= JBCOMP <= NY)	No default	! JBCOMP = 1 !
X index of UR corner (IECOMP) (1 <= IECOMP <= NX)	No default	! IECOMP = 100 !
Y index of UR corner (JECOMP) (1 <= JECOMP <= NY)	No default	! JECOMP = 100 !

SAMPLING Grid (GRIDDED RECEPTORS):

The lower left (LL) corner of the sampling grid is at grid point (IBSAMP, JBSAMP) of the MET. grid. The upper right (UR) corner of the sampling grid is at grid point (IESAMP, JESAMP) of the MET. grid. The sampling grid must be identical to or a subset of the computational grid. It may be a nested grid inside the computational grid. The grid spacing of the sampling grid is DGRIDKM/MESH DN.

Logical flag indicating if gridded receptors are used (LSAMP) (T=yes, F=no)	Default: T	! LSAMP = T !
X index of LL corner (IBSAMP) (IBCOMP <= IBSAMP <= IECOMP)	No default	! IBSAMP = 4 !
Y index of LL corner (JBSAMP) (JBCOMP <= JBSAMP <= JECOMP)	No default	! JBSAMP = 4 !
X index of UR corner (IESAMP) (IBCOMP <= IESAMP <= IECOMP)	No default	! IESAMP = 97 !
Y index of UR corner (JESAMP) (JBCOMP <= JESAMP <= JECOMP)	No default	! JESAMP = 97 !
Nesting factor of the sampling grid (MESH DN) (MESH DN is an integer >= 1)	Default: 1	! MESH DN = 1 !

!END!

 INPUT GROUP: 5 -- Output Options

FILE	DEFAULT VALUE	VALUE THIS RUN
----	-----	-----
Concentrations (ICON)	1	! ICON = 1 !
Dry Fluxes (IDRY)	1	! IDRY = 0 !
Wet Fluxes (IWET)	1	! IWET = 0 !

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2D Temperature (IT2D)	0	! IT2D = 0 !
2D Density (IRHO)	0	! IRHO = 0 !
Relative Humidity (IVIS)	1	! IVIS = 0 !
(relative humidity file is required for visibility analysis)		
Use data compression option in output file? (LCOMPRS)	Default: T	! LCOMPRS = F !

*
0 = Do not create file, 1 = create file

QA PLOT FILE OUTPUT OPTION:

Create a standard series of output files (e.g. locations of sources, receptors, grids ...) suitable for plotting?
(IQAPLOT) Default: 1 ! IQAPLOT = 1 !
0 = no
1 = yes

DIAGNOSTIC PUFF-TRACKING OUTPUT OPTION:

Puff locations and properties reported to PFTRAK.DAT file for postprocessing?
(IPFTRAK) Default: 0 ! IPFTRAK = 0 !
0 = no
1 = yes, update puff output at end of each timestep
2 = yes, update puff output at end of each sampling step

DIAGNOSTIC MASS FLUX OUTPUT OPTIONS:

Mass flux across specified boundaries for selected species reported?
(IMFLX) Default: 0 ! IMFLX = 0 !
0 = no
1 = yes (FLUXBDY.DAT and MASSFLX.DAT filenames are specified in Input Group 0)

Mass balance for each species reported?
(IMBAL) Default: 0 ! IMBAL = 1 !
0 = no
1 = yes (MASSBAL.DAT filename is specified in Input Group 0)

NUMERICAL RISE OUTPUT OPTION:

Create a file with plume properties for each rise increment, for each model timestep? This applies to sources modeled with numerical rise and is limited to ONE source in the run.
(INRISE) Default: 0 ! INRISE = 0 !
0 = no
1 = yes (RISE.DAT filename is specified in Input Group 0)

LINE PRINTER OUTPUT OPTIONS:

Print concentrations (ICPRT) Default: 0 ! ICPRT = 0 !

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 Print dry fluxes (IDPRT) Default: 0 ! IDPRT = 0 !
 Print wet fluxes (IWPRT) Default: 0 ! IWPRT = 0 !
 (0 = Do not print, 1 = Print)

Concentration print interval
 (ICFRQ) in timesteps Default: 1 ! ICFRQ = 1 !
 Dry flux print interval
 (IDFRQ) in timesteps Default: 1 ! IDFRQ = 1 !
 Wet flux print interval
 (IWFRQ) in timesteps Default: 1 ! IWFRQ = 1 !

Units for Line Printer Output
 (IPRTU) Default: 1 ! IPRTU = 3 !

	for	for
	Concentration	Deposition
1 =	g/m**3	g/m**2/s
2 =	mg/m**3	mg/m**2/s
3 =	ug/m**3	ug/m**2/s
4 =	ng/m**3	ng/m**2/s
5 =	Odour Units	

Messages tracking progress of run
 written to the screen ?
 (IMESG) Default: 2 ! IMESG = 2 !
 0 = no
 1 = yes (advection step, puff ID)
 2 = yes (YYYYJJJHH, # old puffs, # emitted puffs)

SPECIES (or GROUP for combined species) LIST FOR OUTPUT OPTIONS

FLUXES	----	CONCENTRATIONS	----	DRY FLUXES	-----	WET
SPECIES	---	MASS FLUX	--	PRINTED?	SAVED ON DISK?	PRINTED?
/GROUP	---	PRINTED?	SAVED ON DISK?	PRINTED?	SAVED ON DISK?	PRINTED?
SAVED ON DISK?	-----	SAVED ON DISK?	-----	SAVED ON DISK?	-----	SAVED ON DISK?
!	SO2 =	1,	1,	1,	0,	1,
0,	0 !					
!	SO4 =	1,	1,	1,	0,	1,
0,	0 !					
!	NO =	1,	1,	1,	0,	1,
0,	0 !					
!	NO2 =	1,	1,	1,	0,	1,
0,	0 !					
!	HNO3 =	1,	1,	1,	0,	1,
0,	0 !					
!	NO3 =	1,	1,	1,	0,	1,
0,	0 !					

Note: Species BCON (for MBCON > 0) does not need to be saved on disk.

OPTIONS FOR PRINTING "DEBUG" QUANTITIES (much output)

Logical for debug output
 (LDEBUG) Default: F ! LDEBUG = F !
 First puff to track
 (IPFDEB) Default: 1 ! IPFDEB = 1 !

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Number of puffs to track (NPFDEB) Default: 1 ! NPFDEB = 1000 !
 Met. period to start output (NN1) Default: 1 ! NN1 = 1 !
 Met. period to end output (NN2) Default: 10 ! NN2 = 10 !

!END!

INPUT GROUP: 6a, 6b, & 6c -- Subgrid scale complex terrain inputs

Subgroup (6a)

Number of terrain features (NHILL) Default: 0 ! NHILL = 0 !
 Number of special complex terrain receptors (NCTREC) Default: 0 ! NCTREC = 0 !
 Terrain and CTSG Receptor data for CTSG hills input in CTDM format ? (MHILL) No Default ! MHILL = 2 !
 1 = Hill and Receptor data created by CTDM processors & read from HILL.DAT and HILLRCT.DAT files
 2 = Hill data created by OPTHILL & input below in Subgroup (6b); Receptor data in Subgroup (6c)
 Factor to convert horizontal dimensions to meters (MHILL=1) Default: 1.0 ! XHILL2M = 1.0 !
 Factor to convert vertical dimensions to meters (MHILL=1) Default: 1.0 ! ZHILL2M = 1.0 !
 X-origin of CTDM system relative to CALPUFF coordinate system, in Kilometers No Default (MHILL=1) ! XCTDMKM = 0.0 !
 Y-origin of CTDM system relative to CALPUFF coordinate system, in Kilometers No Default (MHILL=1) ! YCTDMKM = 0.0 !

! END !

Subgroup (6b)

HILL information 1 **

HILL 1 NO.	SCALE 2 (m)	XC AMAX1 (km) (m)	YC AMAX2 (km) (m)	THETAH (deg.)	ZGRID (m)	RELIEF (m)	EXPO 1 (m)	EXPO 2 (m)	SCALE (m)
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

 Subgroup (6c)

COMPLEX TERRAIN RECEPTOR INFORMATION

XRCT (km)	YRCT (km)	ZRCT (m)	XHH
-----	-----	-----	-----

1

Description of Complex Terrain Variables:

- XC, YC = Coordinates of center of hill
- THETAH = Orientation of major axis of hill (clockwise from North)
- ZGRID = Height of the 0 of the grid above mean sea level
- RELIEF = Height of the crest of the hill above the grid elevation
- EXPO 1 = Hill-shape exponent for the major axis
- EXPO 2 = Hill-shape exponent for the minor axis
- SCALE 1 = Horizontal length scale along the major axis
- SCALE 2 = Horizontal length scale along the minor axis
- AMAX = Maximum allowed axis length for the major axis
- BMAX = Maximum allowed axis length for the minor axis

- XRCT, YRCT = Coordinates of the complex terrain receptors
- ZRCT = Height of the ground (MSL) at the complex terrain Receptor
- XHH = Hill number associated with each complex terrain receptor
 (NOTE: MUST BE ENTERED AS A REAL NUMBER)

**

NOTE: DATA for each hill and CTSG receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

 INPUT GROUP: 7 -- Chemical parameters for dry deposition of gases

SPECIES RESISTANCE NAME (dimensionless)	DIFFUSIVITY HENRY'S LAW COEFFICIENT (cm**2/s)	ALPHA STAR	REACTIVITY	MESOPHYLL (s/cm)
-----	-----	-----	-----	

* DRYGAS = *

!END!

 INPUT GROUP: 8 -- Size parameters for dry deposition of particles

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For SINGLE SPECIES, the mean and standard deviation are used to compute a deposition velocity for NINT (see group 9) size-ranges, and these are then averaged to obtain a mean deposition velocity.

For GROUPED SPECIES, the size distribution should be explicitly specified (by the 'species' in the group), and the standard deviation for each should be entered as 0. The model will then use the deposition velocity for the stated mean diameter.

SPECIES NAME	GEOMETRIC MASS MEAN DIAMETER (microns)	GEOMETRIC STANDARD DEVIATION (microns)
-----------------	--	--

* DRYPART = *
!END!

INPUT GROUP: 9 -- Miscellaneous dry deposition parameters

Reference cuticle resistance (s/cm) (RCUTR) Default: 30 ! RCUTR = 30 !
 Reference ground resistance (s/cm) (RGR) Default: 10 ! RGR = 10 !
 Reference pollutant reactivity (REACTR) Default: 8 ! REACTR = 8 !
 Number of particle-size intervals used to evaluate effective particle deposition velocity (NINT) Default: 9 ! NINT = 9 !
 Vegetation state in unirrigated areas (IVEG) Default: 1 ! IVEG = 1 !
 IVEG=1 for active and unstressed vegetation
 IVEG=2 for active and stressed vegetation
 IVEG=3 for inactive vegetation

!END!

INPUT GROUP: 10 -- Wet Deposition Parameters

Scavenging Coefficient -- Units: (sec)**(-1)

Pollutant	Liquid Precip.	Frozen Precip.
-----------	----------------	----------------

* WETDEPOS = *
!END!

INPUT GROUP: 11a, 11b -- Chemistry Parameters

 Subgroup (11a)

Several parameters are needed for one or more of the chemical transformation mechanisms. Those used for each mechanism are:

Mechanism (MCHEM)	M			B			R			C			O			N		
	Z	3	3	3	3	1	2	3	2	2	2	F	C	X	Y			
0 None
1 MESOPUFF II	X	X	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.
2 User Rates	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 RIVAD	X	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
4 SOA	X	X	.	.	.	.	.	.	.	.	.	X	X	X	.	.	.
5 Radioactive Decay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
6 RIVAD/ISORRPIA	X	X	X	X	X	X	.	.	X	X	.	.	.	.	.	.	.
7 RIVAD/ISORRPIA/SOA	X	X	X	X	X	X	.	.	X	X	X	X	X	.	.	.	.

Ozone data input option (MOZ) Default: 1 ! MOZ = 0 !
 (Used only if MCHEM = 1,3,4,6 or 7)
 0 = use a monthly background ozone value
 1 = read hourly ozone concentrations from the OZONE.DAT data file

Monthly ozone concentrations in ppb (BCKO3)
 (Used only if MCHEM = 1,3,4,6, or 7 and either
 MOZ = 0, or
 MOZ = 1 and all hourly O3 data missing)
 Default: 12*80.
 ! BCKO3 = 32, 34, 37, 38, 32, 26, 23, 21, 23, 25, 28, 31 !

Ammonia data option (MNH3) Default: 0 ! MNH3 = 0 !
 (Used only if MCHEM = 6 or 7)
 0 = use monthly background ammonia values (BCKNH3) - no vertical variation
 1 = read monthly background ammonia values for each layer from the NH3Z.DAT data file

Ammonia vertical averaging option (MAVGNH3)
 (Used only if MCHEM = 6 or 7, and MNH3 = 1)
 0 = use NH3 at puff center height (no averaging is done)
 1 = average NH3 values over vertical extent of puff
 Default: 1 ! MAVGNH3 = 1 !

Monthly ammonia concentrations in ppb (BCKNH3)
 (Used only if MCHEM = 1 or 3, or
 if MCHEM = 6 or 7, and MNH3 = 0)
 Default: 12*10.
 ! BCKNH3 = 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5 !

Nighttime SO2 loss rate in %/hour (RNITE1)
 (Used only if MCHEM = 1, 6 or 7)
 This rate is used only at night for MCHEM=1
 and is added to the computed rate both day
 and night for MCHEM=6,7 (heterogeneous reactions)
 Default: 0.2 ! RNITE1 = 0.2 !

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Nighttime NOx loss rate in %/hour (RNITE2)
 (Used only if MCHEM = 1) Default: 2.0 ! RNITE2 = 2 !

Nighttime HNO3 formation rate in %/hour (RNITE3)
 (Used only if MCHEM = 1) Default: 2.0 ! RNITE3 = 2 !

H2O2 data input option (MH2O2) Default: 1 ! MH2O2 = 0 !
 (Used only if MCHEM = 6 or 7, and MAQCHEM = 1)
 0 = use a monthly background H2O2 value
 1 = read hourly H2O2 concentrations from
 the H2O2.DAT data file

Monthly H2O2 concentrations in ppb (BCKH2O2)
 (Used only if MQACHEM = 1 and either
 MH2O2 = 0 or
 MH2O2 = 1 and all hourly H2O2 data missing)
 Default: 12*1.
 ! BCKH2O2 = 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2 !

--- Data for SECONDARY ORGANIC AEROSOL (SOA) Options
 (used only if MCHEM = 4 or 7)

The MCHEM = 4 SOA module uses monthly values of:
 Fine particulate concentration in ug/m³ (BCKPMF)
 Organic fraction of fine particulate (OFRAC)
 VOC / NOX ratio (after reaction) (VCNX)

The MCHEM = 7 SOA module uses monthly values of:
 Fine particulate concentration in ug/m³ (BCKPMF)
 Organic fraction of fine particulate (OFRAC)

These characterize the air mass when computing
 the formation of SOA from VOC emissions.
 Typical values for several distinct air mass types are:

Month	1	2	3	4	5	6	7	8	9	10	11	12
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clean Continental												
BCKPMF	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
OFRAC	.15	.15	.20	.20	.20	.20	.20	.20	.20	.20	.20	.15
VCNX	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Clean Marine (surface)												
BCKPMF	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
OFRAC	.25	.25	.30	.30	.30	.30	.30	.30	.30	.30	.30	.25
VCNX	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Urban - low biogenic (controls present)												
BCKPMF	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
OFRAC	.20	.20	.25	.25	.25	.25	.25	.25	.20	.20	.20	.20
VCNX	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
Urban - high biogenic (controls present)												
BCKPMF	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
OFRAC	.25	.25	.30	.30	.30	.55	.55	.55	.35	.35	.35	.25
VCNX	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
Regional Plume												
BCKPMF	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.

```

                                CALPUFF.INP
OFRAC  .20  .20  .25  .35  .25  .40  .40  .40  .30  .30  .30  .20
VCNX   15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

```

Urban - no controls present

```

BCKPMF 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
OFRAC  .30  .30  .35  .35  .35  .55  .55  .55  .35  .35  .35  .30
VCNX   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.

```

Default: Clean Continental

```

! BCKPMF = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00,
1.00 !
! OFRAC = 0.15, 0.15, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20,
0.15 !
! VCNX = 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00,
50.00, 50.00 !

```

--- End Data for SECONDARY ORGANIC AEROSOL (SOA) Options

Number of half-life decay specification blocks provided in subgroup 11b

(Used only if MCHM = 5)

(NDECAY)

Default: 0

! NDECAY = 0 !

!END!

Subgroup (11b)

Each species modeled may be assigned a decay half-life (sec), and the associated mass lost may be assigned to one or more other modeled species using a mass yield factor. This information is used only for MCHM=5.

Provide NDECAY blocks assigning the half-life for a parent species and mass yield factors for each child species (if any) produced by the decay. Set HALF_LIFE=0.0 for NO decay (infinite half-life).

SPECIES NAME	Half-Life ^a (sec)	Mass Yield ^b Factor
-----	-----	-----

* SPECHLLIST = *

a Specify a half life that is greater than or equal to zero for 1 parent species in each block, and set the yield factor for this species to -1
b Specify a yield factor that is greater than or equal to zero for 1 or more child species in each block, and set the half-life for each of these species to -1

NOTE: Assignments in each block are treated as a separate input subgroup and therefore must end with an input group terminator. If NDECAY=0, no assignments and input group terminators should appear.

INPUT GROUP: 12 -- Misc. Dispersion and Computational Parameters

Horizontal size of puff (m) beyond which time-dependent dispersion equations (Heffter) are used to determine sigma-y and sigma-z (SYTDEP) Default: 550. ! SYTDEP = 550 !

Switch for using Heffter equation for sigma z as above (0 = Not use Heffter; 1 = use Heffter (MHFTSZ) Default: 0 ! MHFTSZ = 0 !

Stability class used to determine plume growth rates for puffs above the boundary layer (JSUP) Default: 5 ! JSUP = 5 !

Vertical dispersion constant for stable conditions (k1 in Eqn. 2.7-3) (CONK1) Default: 0.01 ! CONK1 = 0.01 !

Vertical dispersion constant for neutral/unstable conditions (k2 in Eqn. 2.7-4) (CONK2) Default: 0.1 ! CONK2 = 0.1 !

Factor for determining Transition-point from Schulman-Scire to Huber-Snyder Building Downwash scheme (SS used for $H_s < H_b + TBD * H_L$) (TBD) Default: 0.5 ! TBD = 0.5 !
 TBD < 0 ==> always use Huber-Snyder
 TBD = 1.5 ==> always use Schulman-Scire
 TBD = 0.5 ==> ISC Transition-point

Range of land use categories for which urban dispersion is assumed (IURB1, IURB2) Default: 10 ! IURB1 = 10 !
 19 ! IURB2 = 19 !

Site characterization parameters for single-point Met data files -----
 (needed for METFM = 2,3,4,5)

Land use category for modeling domain (ILANDUIN) Default: 20 ! ILANDUIN = 20 !

Roughness length (m) for modeling domain (Z0IN) Default: 0.25 ! Z0IN = .25 !

Leaf area index for modeling domain (XLAIIN) Default: 3.0 ! XLAIIN = 3.0 !

Elevation above sea level (m) (ELEVIN) Default: 0.0 ! ELEVIN = .0 !

Latitude (degrees) for met location (XLATIN) Default: -999. ! XLATIN = -999.0 !

Longitude (degrees) for met location (XLONIN) Default: -999. ! XLONIN = -999.0 !

Specialized information for interpreting single-point Met data files -----

Anemometer height (m) (Used only if METFM = 2,3) (ANEMHT) Default: 10. ! ANEMHT = 10.0 !

Form of lateral turbulence data in PROFILE.DAT file

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(Used only if METFM = 4,5 or MTURBVW = 1 or 3)
 (ISIGMAV) Default: 1 ! ISIGMAV = 1 !
 0 = read sigma-theta
 1 = read sigma-v

Choice of mixing heights (Used only if METFM = 4)
 (IMIXCTDM) Default: 0 ! IMIXCTDM = 0 !
 0 = read PREDICTED mixing heights
 1 = read OBSERVED mixing heights

Maximum length of a slug (met. grid units)
 (XMXLEN) Default: 1.0 ! XMXLEN = 1 !

Maximum travel distance of a puff/slug (in
 grid units) during one sampling step
 (XSAMLEN) Default: 1.0 ! XSAMLEN = 1 !

Maximum Number of slugs/puffs release from
 one source during one time step
 (MXNEW) Default: 99 ! MXNEW = 99 !

Maximum Number of sampling steps for
 one puff/slug during one time step
 (MXSAM) Default: 99 ! MXSAM = 99 !

Number of iterations used when computing
 the transport wind for a sampling step
 that includes gradual rise (for CALMET
 and PROFILE winds)
 (NCOUNT) Default: 2 ! NCOUNT = 2 !

Minimum sigma y for a new puff/slug (m)
 (SYMIN) Default: 1.0 ! SYMIN = 1 !

Minimum sigma z for a new puff/slug (m)
 (SZMIN) Default: 1.0 ! SZMIN = 1 !

Maximum sigma z (m) allowed to avoid
 numerical problem in calculating virtual
 time or distance. Cap should be large
 enough to have no influence on normal events.
 Enter a negative cap to disable.
 (SZCAP_M) Default: 5.0e06 ! SZCAP_M = 5000000

!

Default minimum turbulence velocities sigma-v and sigma-w
 for each stability class over land and over water (m/s)
 (SVMIN(12) and SWMIN(12))

Stab Class :	LAND						WATER					
	A	B	C	D	E	F	A	B	C	D	E	F
Default SVMIN :	.50,	.50,	.50,	.50,	.50,	.50,	.37,	.37,	.37,	.37,	.37,	.37,
Default SWMIN :	.20,	.12,	.08,	.06,	.03,	.016,	.20,	.12,	.08,	.06,	.03,	.016,

.016

! SVMIN = 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.37, 0.37, 0.37, 0.37, 0.37,
 0.37 !
 ! SWMIN = 0.2, 0.12, 0.08, 0.06, 0.03, 0.016, 0.2, 0.12, 0.08, 0.06,
 0.03, 0.016 !

Divergence criterion for dw/dz across puff
 used to initiate adjustment for horizontal

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convergence (1/s)
 Partial adjustment starts at CDIV(1), and
 full adjustment is reached at CDIV(2)
 (CDIV(2)) Default: 0.0,0.0 ! CDIV = 0, 0 !

Search radius (number of cells) for nearest
 land and water cells used in the subgrid
 TIBL module
 (NLUTIBL) Default: 4 ! NLUTIBL = 4 !

Minimum wind speed (m/s) allowed for
 non-calm conditions. Also used as minimum
 speed returned when using power-law
 extrapolation toward surface
 (WSCALM) Default: 0.5 ! WSCALM = 0.5 !

Maximum mixing height (m)
 (XMAXZI) Default: 3000. ! XMAXZI = 3000 !

Minimum mixing height (m)
 (XMINZI) Default: 50. ! XMINZI = 50 !

Default wind speed classes --
 5 upper bounds (m/s) are entered;
 the 6th class has no upper limit
 (WSCAT(5)) Default :
 ISC RURAL : 1.54, 3.09, 5.14, 8.23, 10.8

(10.8+)

wind speed class : 1 2 3 4 5

 ! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.8 !

Default wind speed profile power-law
 exponents for stabilities 1-6
 (PLX0(6)) Default : ISC RURAL values
 ISC RURAL : .07, .07, .10, .15, .35, .55
 ISC URBAN : .15, .15, .20, .25, .30, .30

Stability Class : A B C D E F

 ! PLX0 = 0.07, 0.07, 0.1, 0.15, 0.35, 0.55 !

Default potential temperature gradient
 for stable classes E, F (degK/m)
 (PTG0(2)) Default: 0.020, 0.035
 ! PTG0 = 0.02, 0.035 !

Default plume path coefficients for
 each stability class (used when option
 for partial plume height terrain adjustment
 is selected -- MCTADJ=3)
 (PPC(6)) Stability Class : A B C D E F
 Default PPC : .50, .50, .50, .50, .35, .35

 ! PPC = 0.5, 0.5, 0.5, 0.5, 0.35, 0.35 !

Slug-to-puff transition criterion factor
 equal to sigma-y/length of slug
 (SL2PF) Default: 10. ! SL2PF = 10 !

Puff-splitting control variables -----

VERTICAL SPLIT

Number of puffs that result every time a puff
is split - nsplit=2 means that 1 puff splits
into 2
(NSPLIT) Default: 3 ! NSPLIT = 2 !

Time(s) of a day when split puffs are eligible to
be split once again; this is typically set once
per day, around sunset before nocturnal shear develops.
24 values: 0 is midnight (00:00) and 23 is 11 PM (23:00)
0=do not re-split 1=eligible for re-split
(IRESPLIT(24)) Default: Hour 17 = 1
! IRESPLIT = 0,1,0,0,0,0,0 !

Split is allowed only if last hour's mixing
height (m) exceeds a minimum value
(ZISPLIT) Default: 100. ! ZISPLIT = 100 !

Split is allowed only if ratio of last hour's
mixing ht to the maximum mixing ht experienced
by the puff is less than a maximum value (this
postpones a split until a nocturnal layer develops)
(ROLDMAX) Default: 0.25 ! ROLDMAX = 0.25 !

HORIZONTAL SPLIT

Number of puffs that result every time a puff
is split - nsplith=5 means that 1 puff splits
into 5
(NSPLITH) Default: 5 ! NSPLITH = 5 !

Minimum sigma-y (Grid Cells Units) of puff
before it may be split
(SYSPLITH) Default: 1.0 ! SYSPLITH = 1 !

Minimum puff elongation rate (SYSPLITH/hr) due to
wind shear, before it may be split
(SHSPLITH) Default: 2. ! SHSPLITH = 2 !

Minimum concentration (g/m³) of each
species in puff before it may be split
Enter array of NSPEC values; if a single value is
entered, it will be used for ALL species
(CNSPLITH) Default: 1.0E-07 ! CNSPLITH = 1E-7 !

Integration control variables -----

Fractional convergence criterion for numerical SLUG
sampling integration
(EPSSLUG) Default: 1.0e-04 ! EPSSLUG = 0.0001 !

Fractional convergence criterion for numerical AREA
source integration
(EPSAREA) Default: 1.0e-06 ! EPSAREA = 1E-6 !

Trajectory step-length (m) used for numerical rise
integration
(DSRISE) Default: 1.0 ! DSRISE = 1 !

Boundary Condition (BC) Puff control variables -----

Minimum height (m) to which BC puffs are mixed as they are emitted
(MBCON=2 ONLY). Actual height is reset to the current mixing height
at the release point if greater than this minimum.
(HTMINBC) Default: 500. * HTMINBC = *

Search radius (km) about a receptor for sampling nearest BC puff.
BC puffs are typically emitted with a spacing of one grid cell
length, so the search radius should be greater than DGRIDKM.
(RSAMPBC) Default: 10. * RSAMPBC = *

Near-surface depletion adjustment to concentration profile used when
sampling BC puffs?
(MDEPBC) Default: 1 * MDEPBC = *
0 = Concentration is NOT adjusted for depletion
1 = Adjust Concentration for depletion

!END!

INPUT GROUPS: 13a, 13b, 13c, 13d -- Point source parameters

Subgroup (13a)

Number of point sources with
parameters provided below (NPT1) No default ! NPT1 = 19 !

Units used for point source
emissions below (IPTU) Default: 1 ! IPTU = 1 !

1 = g/s
2 = kg/hr
3 = lb/hr
4 = tons/yr
5 = Odour Unit * m³/s (vol. flux of odour compound)
6 = Odour Unit * m³/min
7 = metric tons/yr

Number of source-species
combinations with variable
emissions scaling factors
provided below in (13d) (NSPT1) Default: 0 ! NSPT1 = 0 !

Number of point sources with
variable emission parameters
provided in external file (NPT2) No default ! NPT2 = 0 !

(If NPT2 > 0, these point
source emissions are read from
the file: PTEMARB.DAT)

!END!

Subgroup (13b)

POINT SOURCE: CONSTANT DATA

b

C Source Emission No. Rates	X Coordinate (km)	Y Coordinate (km)	Stack Height (m)	Base Elevation (m)	Stack Diameter (m)	Exit Vel. (m/s)	Exit Temp. (deg. K)	Bldg. Dwash
1 !	727.806,	5186.133,	29.4,	19.0,	2.6,	31.8,	704.0,	1.0,
0,	0,	11.24,						
16.86,		0,						
1 !		0 !						
1 !		0.0 !						
1 !		1.0 !						!END!
2 !	727.811,	5186.137,	29.4,	19.0,	2.6,	31.8,	704.0,	1.0,
0,	0,	11.24,						
16.86,		0,						
2 !		0 !						
2 !		0.0 !						
2 !		1.0 !						!END!
3 !	727.816,	5186.142,	29.4,	19.0,	2.6,	31.8,	704.0,	1.0,
0,	0,	0,						
0,	0,	0,						
3 !		0 !						
3 !		0.0 !						
3 !		1.0 !						!END!
4 !	727.881,	5186.179,	29.4,	19.0,	0.95,	14.8,	599.0,	1.0,
0,	0,	0.234,						
0.026,		0,						
4 !		0 !						
4 !		0.0 !						
4 !		1.0 !						!END!
5 !	727.883,	5186.181,	29.4,	19.0,	0.95,	14.8,	599.0,	1.0,
0,	0,	0,						
0,	0,	0,						
5 !		0 !						
5 !		0.0 !						
5 !		1.0 !						!END!
6 !	727.725,	5186.020,	106.4,	19.0,	6.07,	0.3,	1273.0,	1.0,
0,	0,	0.171,						
0.019,		0,						
6 !		0 !						
6 !		0.0 !						
6 !		1.0 !						!END!
7 !	693.508,	5150.218,	28.3,	13.4,	3.2,	41.37,	817.0,	1.0,
0,	0,	15.6,						
23.3,		0,						
7 !		0 !						
7 !		0.0 !						
7 !		1.0 !						!END!
8 !	693.526,	5150.199,	28.3,	13.4,	3.2,	41.37,	817.0,	1.0,
0,	0,	15.6,						

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```

23.3,      0,      0 !
8 ! ZPLTFM =      0.0 !
8 ! FMFAC =      1.0 ! !END!

9 ! SRCNAM = SRC_9 !
9 ! X = 693.535, 5150.245, 13.7, 13.3, 1.02, 13.8, 568.0, 1.0,
0,      0,      0.45,
0.05,      0,      0 !
9 ! ZPLTFM =      0.0 !
9 ! FMFAC =      1.0 ! !END!

10 ! SRCNAM = SRC_10 !
10 ! X = 693.541, 5150.240, 13.7, 13.4, 1.02, 13.8, 568.0, 1.0,
0,      0,      0,
0,      0,      0 !
10 ! ZPLTFM =      0.0 !
10 ! FMFAC =      1.0 ! !END!

11 ! SRCNAM = SRC_11 !
11 ! X = 693.521, 5150.234, 105.3, 13.4, 7.4, 0.3, 1273.0, 1.0,
0,      0,      2.07,
0.23,      0,      0 !
11 ! ZPLTFM =      0.0 !
11 ! FMFAC =      1.0 ! !END!

12 ! SRCNAM = SRC_12 !
12 ! X = 693.541, 5150.256, 1.8, 13.4, 1.0, 31.9, 643.0, 1.0,
0,      0,      8.4,
2.1,      0,      0 !
12 ! ZPLTFM =      0.0 !
12 ! FMFAC =      1.0 ! !END!

13 ! SRCNAM = SRC_13 !
13 ! X = 693.545, 5150.252, 1.8, 13.4, 1.0, 31.9, 643.0, 1.0,
0,      0,      8.4,
2.1,      0,      0 !
13 ! ZPLTFM =      0.0 !
13 ! FMFAC =      1.0 ! !END!

14 ! SRCNAM = SRC_14 !
14 ! X = 692.954, 5158.532, 47.0, 30.5, 3.0, 31.5, 700.0, 1.0,
0,      0,      15.7,
23.5,      0,      0 !
14 ! ZPLTFM =      0.0 !
14 ! FMFAC =      1.0 ! !END!

15 ! SRCNAM = SRC_15 !
15 ! X = 692.958, 5158.532, 47.0, 30.5, 3.0, 31.5, 700.0, 1.0,
0,      0,      15.7,
23.5,      0,      0 !
15 ! ZPLTFM =      0.0 !
15 ! FMFAC =      1.0 ! !END!

16 ! SRCNAM = SRC_16 !
16 ! X = 692.962, 5158.532, 47.0, 30.5, 3.0, 31.5, 700.0, 1.0,
0,      0,      15.7,
23.5,      0,      0 !
16 ! ZPLTFM =      0.0 !
16 ! FMFAC =      1.0 ! !END!

17 ! SRCNAM = SRC_17 !
17 ! X = 693.040, 5158.506, 45.5, 30.5, 2.0, 14.4, 700.0, 1.0,
0,      0,      15.7,

```

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```

23.5,      0,      0 !
17 ! ZPLTFM =      0.0 !
17 ! FMFAC =      1.0 ! !END!

18 ! SRCNAM = SRC_18 !
18 ! X = 693.038, 5158.506, 45.5, 30.5, 2.0, 14.4, 700.0, 1.0,
0, 0, 15.7,
23.5,      0,      0 !
18 ! ZPLTFM =      0.0 !
18 ! FMFAC =      1.0 ! !END!

19 ! SRCNAM = SRC_19 !
19 ! X = 693.054, 5158.507, 146.0, 30.5, 9.3, 1.5, 1273.0, 1.0,
0, 0, 1.35,
0.15,      0,      0 !
19 ! ZPLTFM =      0.0 !
19 ! FMFAC =      1.0 ! !END!

```

a

Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

SRCNAM is a 12-character name for a source
(No default)

X is an array holding the source data listed by the column headings
(No default)

SIGYZI is an array holding the initial sigma-y and sigma-z (m)
(Default: 0.,0.)

FMFAC is a vertical momentum flux factor (0. or 1.0) used to represent the effect of rain-caps or other physical configurations that reduce momentum rise associated with the actual exit velocity.
(Default: 1.0 -- full momentum used)

ZPLTFM is the platform height (m) for sources influenced by an isolated structure that has a significant open area between the surface and the bulk of the structure, such as an offshore oil platform. The Base Elevation is that of the surface (ground or ocean), and the Stack Height is the release height above the Base (not above the platform). Building heights entered in Subgroup 13c must be those of the buildings on the platform, measured from the platform deck. ZPLTFM is used only with MBDW=1 (ISC downwash method) for sources with building downwash.
(Default: 0.0)

b

0. = No building downwash modeled
1. = Downwash modeled for buildings resting on the surface
2. = Downwash modeled for buildings raised above the surface (ZPLTFM > 0.)
NOTE: must be entered as a REAL number (i.e., with decimal point)

c

An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IPTU (e.g. 1 for g/s).

Subgroup (13c)

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Source No. Effective building height, width, length and X/Y offset (in meters)^a every 10 degrees. LENGTH, XBADJ, and YBADJ are only needed for MBDW=2 (PRIME downwash option)

```

1 ! SRCNAM = SRC_1 !
1 ! HEIGHT = 22.30, 41.60, 41.60, 41.60, 41.60, 20.40,
              29.40, 29.40, 29.40, 29.36, 20.40, 20.40,
              20.40, 20.40, 20.40, 20.40, 20.40, 20.40,
              20.40, 20.40, 20.40, 29.40, 29.40, 29.40,
              29.40, 29.40, 29.40, 29.36, 20.40, 20.40,
              20.40, 20.40, 20.40, 20.40, 20.40, 20.40 !
1 ! WIDTH = 22.62, 33.26, 33.05, 31.83, 32.10, 34.52,
            43.15, 39.52, 34.70, 39.97, 51.63, 50.54,
            47.92, 47.45, 50.08, 51.19, 50.74, 48.75,
            45.28, 40.43, 34.36, 46.15, 46.39, 45.46,
            43.15, 39.52, 34.70, 39.97, 51.63, 50.54,
            47.92, 47.45, 50.08, 51.19, 50.74, 48.75 !
1 ! LENGTH = 25.89, 33.06, 32.86, 31.66, 31.38, 50.08,
             20.77, 27.59, 33.58, 55.12, 40.43, 34.36,
             27.24, 27.32, 34.52, 40.67, 45.58, 49.11,
             51.15, 51.63, 50.54, 6.77, 5.45, 13.31,
             20.77, 27.59, 33.58, 55.12, 40.43, 34.36,
             27.24, 27.32, 34.52, 40.67, 45.58, 49.11 !
1 ! XBADJ = -102.08, -124.95, -127.91, -126.98, -123.12, -10.91,
            55.37, 49.85, 42.82, 34.49, -5.55, -3.80,
            -1.93, -3.98, -9.94, -15.60, -20.79, -25.34,
            -29.12, -32.02, -33.95, -63.57, -66.70, -72.52,
            -76.14, -77.45, -76.40, -89.60, -34.89, -30.56,
            -25.31, -23.34, -24.58, -25.07, -24.80, -23.77 !
1 ! YBADJ = 14.75, 27.12, 7.84, -11.68, -30.86, -7.32,
            6.23, 17.58, 28.39, 32.76, 6.21, 8.68,
            10.89, 12.65, 14.13, 15.18, 15.77, 15.88,
            15.51, 14.67, 13.38, 27.43, 16.68, 5.31,
            -6.23, -17.58, -28.39, -32.76, -6.21, -8.68,
            -10.89, -12.65, -14.13, -15.18, -15.77, -15.88 !
!END!
2 ! SRCNAM = SRC_2 !
2 ! HEIGHT = 22.30, 41.60, 41.60, 41.60, 41.60, 29.40,
              29.40, 29.40, 29.40, 29.36, 20.40, 20.40,
              20.40, 20.40, 20.40, 20.40, 20.40, 20.40,
              20.40, 20.40, 20.40, 29.40, 29.40, 29.40,
              29.40, 29.40, 29.40, 29.36, 20.40, 20.40,
              20.40, 20.40, 20.40, 20.40, 20.40, 20.40 !
2 ! WIDTH = 22.62, 33.22, 33.05, 31.83, 32.10, 45.46,
            43.15, 39.52, 34.70, 39.97, 51.63, 50.54,
            47.92, 47.45, 50.08, 51.19, 50.74, 48.75,
            45.28, 40.43, 44.85, 46.15, 46.39, 45.46,
            43.15, 39.52, 34.70, 39.97, 51.63, 50.54,
            47.92, 47.45, 50.08, 51.19, 50.74, 48.75 !
2 ! LENGTH = 25.89, 33.06, 32.86, 31.66, 31.38, 13.31,
             20.77, 27.59, 33.58, 55.12, 40.43, 34.36,
             27.24, 27.32, 34.52, 40.67, 45.58, 49.11,
             51.15, 51.63, 14.64, 6.77, 5.45, 13.31,
             20.77, 27.59, 33.58, 55.12, 40.43, 34.36,
             27.24, 27.32, 34.52, 40.67, 45.58, 49.11 !
2 ! XBADJ = -106.89, -130.42, -133.87, -133.25, -129.52, 52.88,
            49.31, 44.23, 37.82, 30.26, -8.88, -6.13,
            -3.19, -4.13, -8.98, -13.55, -17.71, -21.34,
            -24.32, -26.55, -55.84, -57.29, -60.29, -66.19,
            -70.07, -71.83, -71.40, -85.37, -31.56, -28.23,

```

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2 ! YBADJ = -24.05, -23.20, -25.54, -27.12, -27.87, -27.77 !
 18.98, 30.45, 10.17, -10.42, -30.71, -6.27,
 4.18, 14.51, 24.39, 27.96, 0.74, 2.72,
 4.61, 6.25, 7.80, 9.12, 10.16, 10.89,
 11.28, 11.34, 35.05, 26.18, 16.53, 6.27,
 -4.18, -14.51, -24.39, -27.96, -0.74, -2.72,
 -4.61, -6.25, -7.80, -9.12, -10.16, -10.88 !

!END!

3 ! SRCNAM = SRC_3 !
 3 ! HEIGHT = 20.40, 22.30, 41.60, 41.60, 41.60, 29.40,
 29.40, 29.40, 29.40, 29.36, 29.36, 20.40,
 20.40, 20.40, 20.40, 20.40, 20.40, 20.40,
 20.40, 20.40, 29.40, 29.40, 29.40, 29.40,
 29.40, 29.40, 29.40, 29.36, 29.36, 20.40,
 20.40, 20.40, 20.40, 20.40, 20.40, 20.40 !
 3 ! WIDTH = 45.28, 20.04, 33.05, 31.83, 32.10, 45.46,
 43.15, 39.52, 34.70, 39.97, 33.17, 50.54,
 47.92, 47.45, 50.08, 51.19, 50.74, 48.75,
 45.28, 40.43, 44.85, 46.15, 46.39, 45.46,
 43.15, 39.52, 34.70, 39.97, 33.17, 50.54,
 47.92, 47.45, 50.08, 51.19, 50.74, 48.75 !
 3 ! LENGTH = 51.15, 26.09, 32.86, 31.66, 31.38, 13.31,
 20.77, 27.59, 33.58, 55.12, 58.91, 34.36,
 27.24, 27.32, 34.52, 40.67, 45.58, 49.11,
 51.15, 51.63, 14.64, 6.77, 5.45, 13.31,
 20.77, 27.59, 33.58, 55.12, 58.91, 34.36,
 27.24, 27.32, 34.52, 40.67, 45.58, 49.11 !
 3 ! XBADJ = -32.62, -115.28, -140.70, -140.30, -136.57, 46.05,
 42.90, 38.44, 32.82, 26.20, 18.78, -7.96,
 -3.81, -3.51, -7.15, -10.56, -13.66, -16.34,
 -18.52, -20.15, -49.01, -50.24, -53.25, -59.36,
 -63.66, -66.04, -66.40, -81.32, -77.69, -26.40,
 -23.43, -23.81, -27.37, -30.11, -31.92, -32.77 !
 3 ! YBADJ = -7.23, 5.33, 12.00, -9.81, -31.33, -8.10,
 1.19, 10.45, 19.39, 22.16, 29.70, -4.11,
 -2.44, -0.79, 0.97, 2.71, 4.36, 5.89,
 7.23, 8.35, 33.22, 25.56, 17.15, 8.10,
 -1.19, -10.45, -19.39, -22.16, -29.70, 4.11,
 2.44, 0.79, -0.97, -2.71, -4.36, -5.89 !

!END!

4 ! SRCNAM = SRC_4 !
 4 ! HEIGHT = 29.40, 29.40, 29.40, 29.40, 29.40, 29.40,
 29.40, 29.40, 29.40, 29.36, 29.36, 29.36,
 29.36, 29.40, 29.40, 29.40, 29.40, 29.40, 29.40,
 29.40, 29.40, 29.40, 29.36, 29.36, 29.36,
 29.36, 29.36, 29.36, 29.36, 29.36, 29.40 !
 4 ! WIDTH = 38.55, 42.34, 44.85, 46.15, 46.39, 45.46,
 43.15, 39.52, 34.70, 30.11, 33.17, 39.38,
 32.22, 28.24, 30.89, 33.97, 29.99, 33.58,
 38.55, 42.34, 44.85, 46.15, 46.39, 45.46,
 43.15, 39.52, 34.70, 30.11, 33.17, 39.38,
 32.22, 28.24, 30.89, 33.97, 29.99, 33.58 !
 4 ! LENGTH = 28.82, 22.07, 14.64, 6.77, 5.45, 13.31,
 20.77, 27.59, 33.58, 33.78, 58.91, 55.51,
 55.93, 15.49, 59.59, 58.42, 33.60, 34.70,
 28.82, 22.07, 14.64, 6.77, 5.45, 13.31,
 20.77, 27.59, 33.58, 33.78, 58.91, 55.51,
 55.93, 15.49, 59.59, 58.42, 33.60, 34.70 !
 4 ! XBADJ = -34.39, -32.78, -30.18, -26.65, -25.78, -28.74,
 -30.84, -31.99, -32.18, -25.92, -29.64, -21.59,
 -18.39, 25.78, -15.08, -12.03, -9.75, 0.26,
 5.57, 10.72, 15.54, 19.88, 20.33, 15.43,

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```

    10.07,    4.40,   -1.40,   -7.86,  -29.27,  -33.92,
  4 ! YBADJ  = -37.54,  -41.27,  -44.51,  -46.40,  -23.86,  -34.96 !
                12.11,    8.47,    4.57,    0.45,   -3.71,   -7.65,
                -11.35,  -14.70,  -17.61,  -10.68,  -27.30,  -21.21,
                -20.56,  -17.34,  -13.30,   -9.53,  -12.14,  -15.39,
                -12.11,   -8.47,   -4.57,   -0.45,    3.71,    7.65,
                11.35,   14.70,   17.61,   10.68,   27.30,   21.21,
                20.56,   17.34,   13.30,    9.53,   12.14,   15.39 !

```

!END!

5 ! SRCNAM = SRC_5 !

```

  5 ! HEIGHT  =  29.40,   29.40,   29.40,   29.40,   29.40,   29.40,
                29.40,   29.40,   29.40,   29.36,   29.36,   29.36,
                29.36,   29.36,   29.36,   29.36,   29.36,   29.40,
                29.40,   29.40,   29.40,   29.40,   29.40,   29.40,
                29.40,   29.40,   29.40,   29.36,   29.36,   29.36,
                29.36,   29.36,   29.36,   29.36,   29.36,   29.40 !
  5 ! WIDTH   =  38.55,   42.34,   44.85,   46.15,   46.39,   45.46,
                43.15,   39.52,   34.70,   30.11,   33.17,   39.38,
                32.22,   28.24,   30.89,   33.97,   29.99,   33.58,
                38.55,   42.34,   44.85,   46.15,   46.39,   45.46,
                43.15,   39.52,   34.70,   30.11,   33.17,   39.38,
                32.22,   28.24,   30.89,   33.97,   29.99,   33.58 !
  5 ! LENGTH  =  28.82,   22.07,   14.64,    6.77,    5.45,   13.31,
                20.77,   27.59,   33.58,   33.78,   58.91,   55.51,
                55.93,   15.49,   59.59,   58.42,   33.60,   34.70,
                28.82,   22.07,   14.64,    6.77,    5.45,   13.31,
                20.77,   27.59,   33.58,   33.78,   58.91,   55.51,
                55.93,   15.49,   59.59,   58.42,   33.60,   34.70 !
  5 ! XBADJ   = -36.71,  -35.35,  -32.91,  -29.47,  -28.59,  -31.48,
                -33.40,  -34.31,  -34.18,  -27.55,  -30.84,  -22.32,
                -18.64,   26.03,  -14.35,  -10.83,   -8.12,    2.26,
                 7.89,   13.28,   18.27,   22.70,   23.14,   18.16,
                 12.63,    6.72,    0.60,   -6.24,  -28.07,  -33.19,
                -37.29,  -41.51,  -45.24,  -47.59,  -25.48,  -36.96 !
  5 ! YBADJ   =  13.74,    9.67,    5.30,    0.70,   -3.96,   -8.38,
                -12.54,  -16.32,  -19.61,  -13.00,  -29.87,  -23.94,
                -23.37,  -20.16,  -16.03,  -12.09,  -14.46,  -17.39,
                -13.74,   -9.67,   -5.30,   -0.70,    3.96,    8.38,
                 12.54,   16.32,   19.61,   13.00,   29.87,   23.94,
                 23.37,   20.16,   16.03,   12.09,   14.46,   17.39 !

```

!END!

6 ! SRCNAM = SRC_6 !

```

  6 ! HEIGHT  =  41.60,   41.60,   41.60,   41.60,   41.60,   41.60,
                41.60,   41.60,   41.60,   41.60,   41.60,   41.60,
                41.60,   41.60,   41.60,   41.60,   41.60,   41.60,
                41.60,   41.60,   41.60,   41.60,   41.60,   41.60 !
  6 ! WIDTH   =  32.47,   33.26,   33.05,   31.83,   32.10,   33.26,
                33.41,   32.55,   30.91,   32.25,   33.06,   32.86,
                31.66,   31.38,   32.64,   32.91,   32.18,   30.69,
                32.47,   33.26,   33.05,   31.83,   32.10,   33.26,
                33.41,   32.55,   30.91,   32.25,   33.06,   32.86,
                31.66,   31.38,   32.64,   32.91,   32.18,   30.69 !
  6 ! LENGTH  =  32.25,   33.06,   32.86,   31.66,   31.38,   32.64,
                32.91,   32.18,   30.69,   32.47,   33.26,   33.05,
                31.83,   32.10,   33.26,   33.41,   32.55,   30.91,
                32.25,   33.06,   32.86,   31.66,   31.38,   32.64,
                32.91,   32.18,   30.69,   32.47,   33.26,   33.05,
                31.83,   32.10,   33.26,   33.41,   32.55,   30.91 !
  6 ! XBADJ   =   7.15,    8.94,   10.46,   11.65,   11.56,    9.87,
                 7.87,    5.64,    3.01,   -1.66,   -6.28,  -10.71,
                -14.82,  -19.69,  -24.88,  -29.31,  -32.85,  -35.62,

```

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```

        -39.41, -42.00, -43.31, -43.31, -42.94, -42.51,
        -40.78, -37.81, -33.70, -30.81, -26.98, -22.34,
        -17.01, -12.42, -8.39, -4.10, 0.31, 4.71 !
6 ! YBADJ = -14.57, -10.35, -5.81, -1.10, 3.64, 8.25,
           12.61, 16.58, 20.17, 23.28, 25.47, 26.88,
           27.48, 27.25, 26.19, 24.33, 21.73, 18.35,
           14.57, 10.35, 5.81, 1.10, -3.64, -8.25,
           -12.61, -16.58, -20.17, -23.28, -25.47, -26.88,
           -27.48, -27.25, -26.19, -24.33, -21.73, -18.35 !

```

!END!

7 ! SRCNAM = SRC_7 !

```

7 ! HEIGHT = 30.90, 30.90, 35.70, 35.70, 35.70, 30.90,
            30.90, 27.70, 27.70, 27.70, 27.70, 29.30,
            29.30, 29.30, 29.30, 27.70, 30.90, 30.90,
            30.90, 30.90, 30.90, 30.90, 30.90, 30.90,
            30.90, 27.70, 27.70, 27.70, 27.70, 29.30,
            29.30, 29.30, 29.30, 27.70, 30.90, 30.90 !
7 ! WIDTH = 38.56, 37.58, 51.94, 46.93, 47.84, 36.08,
            38.32, 36.04, 34.01, 30.95, 26.94, 21.75,
            20.25, 20.96, 22.32, 25.96, 37.01, 38.37,
            38.56, 37.58, 35.46, 32.26, 32.75, 36.08,
            38.32, 36.04, 34.01, 30.95, 26.94, 21.75,
            20.25, 20.96, 22.32, 25.96, 37.01, 38.37 !
7 ! LENGTH = 37.97, 35.50, 49.18, 42.70, 40.61, 30.99,
            34.53, 30.04, 33.21, 35.37, 36.45, 16.28,
            13.19, 13.75, 16.69, 36.97, 39.40, 39.28,
            37.97, 35.50, 31.95, 27.44, 26.52, 30.99,
            34.52, 30.04, 33.21, 35.37, 36.45, 16.28,
            13.19, 13.75, 16.69, 36.97, 39.40, 39.28 !
7 ! XBADJ = -64.46, -65.24, -202.34, -202.21, -198.97, -56.94,
            -53.75, -24.72, -21.78, -18.17, -14.00, 14.35,
            17.00, 16.41, 14.66, 4.86, 17.69, 22.43,
            26.49, 29.74, 32.09, 33.46, 31.88, 25.95,
            19.23, -5.31, -11.43, -17.20, -22.45, -30.63,
            -30.19, -30.16, -31.35, -41.83, -57.09, -61.71 !
7 ! YBADJ = 15.73, 7.55, 33.59, 2.19, -29.39, -24.80,
            -31.58, -25.42, -26.73, -27.22, -26.88, -8.34,
            -4.44, -0.16, 4.01, -13.95, -30.43, -23.43,
            -15.73, -7.55, 0.85, 9.24, 17.27, 24.80,
            31.58, 25.42, 26.73, 27.22, 26.88, 8.34,
            4.44, 0.16, -4.01, 13.94, 30.42, 23.43 !

```

!END!

8 ! SRCNAM = SRC_8 !

```

8 ! HEIGHT = 27.70, 30.90, 30.90, 35.70, 35.70, 35.70,
            30.90, 30.90, 30.90, 30.90, 27.70, 29.30,
            29.30, 29.30, 29.30, 27.70, 27.70, 27.70,
            27.70, 30.90, 30.90, 30.90, 30.90, 30.90,
            30.90, 30.90, 30.90, 30.90, 27.70, 29.30,
            29.30, 29.30, 29.30, 27.70, 27.70, 27.70 !
8 ! WIDTH = 35.37, 37.58, 35.46, 46.93, 47.84, 53.18,
            38.32, 39.40, 39.28, 37.96, 26.94, 21.75,
            20.25, 20.96, 22.32, 25.96, 30.04, 33.21,
            35.37, 37.58, 35.46, 32.26, 32.75, 36.08,
            38.32, 39.40, 39.28, 37.97, 26.94, 21.75,
            20.25, 20.96, 22.32, 25.96, 30.04, 33.21 !
8 ! LENGTH = 30.95, 35.50, 31.95, 42.70, 40.61, 47.02,
            34.53, 37.01, 38.37, 38.56, 36.45, 16.28,
            13.19, 13.75, 16.69, 36.97, 36.04, 34.01,
            30.95, 35.50, 31.95, 27.44, 26.52, 30.99,
            34.52, 37.01, 38.37, 38.56, 36.45, 16.28,
            13.19, 13.75, 16.69, 36.97, 36.04, 34.01 !
8 ! XBADJ = -27.11, -53.54, -56.59, -199.22, -200.55, -200.47,
            -64.16, -63.36, -60.62, -56.04, -37.42, -10.74,

```

CALPUFF.INP

```

      -9.00,   -9.71,  -10.80,  -19.15,  -14.43,   -9.28,
      -3.84,  18.04,   24.63,   30.48,   33.46,   32.04,
      29.64,  26.34,   22.25,   17.48,    0.97,   -5.54,
      -4.19,   -4.03,   -5.89,  -17.82,  -21.61,  -24.73 !
8 ! YBADJ   =  21.51,  30.97,  24.23,  28.19,   -3.26,  -34.48,
      -7.57, -15.56,  -23.07,  -29.88,  -15.19,   -0.89,
      -1.46,   -1.74,   -2.08,  -24.36,  -24.13,  -23.17,
      -21.51, -30.97,  -24.24,  -16.76,   -8.85,   -0.65,
      7.57,   15.55,   23.07,   29.89,   15.19,    0.88,
      1.46,    1.74,    2.08,   24.36,   24.13,   23.17 !

```

!END!

9 ! SRCNAM = SRC_9 !

```

9 ! HEIGHT  =  27.70,  30.90,  30.90,  30.90,  30.90,  27.70,
      22.60,  22.60,  22.60,  22.60,  22.60,  22.60,
      18.60,  18.60,  22.60,  22.60,  29.30,  29.30,
      27.70,  27.70,  27.70,  27.70,  27.70,  27.70,
      22.60,  22.60,  22.60,  22.60,  22.60,  22.60,
      18.60,  18.60,  22.60,  22.60,  29.30,  29.30 !
9 ! WIDTH   =  35.37,  37.58,  35.46,  32.26,  32.75,  36.78,
      18.57,  19.41,  19.65,  19.30,  18.36,  16.86,
      35.09,  33.71,  16.74,  18.16,  23.00,  22.29,
      35.37,  36.45,  36.43,  35.30,  35.47,  36.78,
      18.57,  19.41,  19.65,  19.30,  18.36,  16.86,
      35.09,  33.71,  16.74,  18.16,  23.00,  22.29 !
9 ! LENGTH  =  30.95,  35.50,  31.95,  27.44,  26.52,  21.09,
      18.16,  19.04,  19.33,  19.04,  18.16,  16.74,
      46.08,  46.48,  17.18,  18.57,  20.98,  22.19,
      30.95,  26.95,  22.12,  16.63,  15.58,  21.09,
      18.16,  19.04,  19.33,  19.04,  18.16,  16.74,
      46.08,  46.48,  17.18,  18.57,  20.97,  22.19 !
9 ! XBADJ   = -73.97, -99.84, -100.93, -98.94, -96.43, -65.18,
      -7.92,   -7.71,   -7.26,   -6.59,   -5.72,   -4.68,
      -9.58,  -10.05,   -4.80,   -5.69,   31.78,   34.00,
      43.02,  48.02,  51.55,  53.52,  51.28,  44.10,
      -10.24, -11.33,  -12.07,  -12.45,  -12.44,  -12.06,
      -36.51, -36.43,  -12.38,  -12.89,  -52.76,  -56.19 !
9 ! YBADJ   =  22.39,  23.69,   9.03,   -5.91,  -20.60,  -30.44,
      -3.60,   -3.30,   -2.90,   -2.41,   -1.85,   -1.22,
      0.13,    2.26,    0.48,    1.16,  -19.42,  -11.70,
      -22.38, -11.92,  -1.09,    9.78,   20.48,   30.44,
      3.60,    3.30,    2.90,    2.41,    1.84,    1.22,
      -0.13,  -2.26,  -0.48,  -1.16,   19.42,   11.70 !

```

!END!

10 ! SRCNAM = SRC_10 !

```

10 ! HEIGHT =  27.70,  30.90,  30.90,  30.90,  30.90,  30.90,
      29.30,  22.60,  22.60,  22.60,  22.60,  22.60,
      18.60,  18.60,  22.60,  22.60,  22.60,  29.30,
      27.70,  30.90,  27.70,  27.70,  27.70,  27.70,
      29.30,  22.60,  22.60,  22.60,  22.60,  22.60,
      18.60,  18.60,  22.60,  22.60,  22.60,  29.30 !
10 ! WIDTH  =  35.37,  37.58,  35.46,  32.26,  32.75,  36.08,
      17.95,  19.41,  19.65,  19.30,  18.36,  16.86,
      35.09,  33.71,  16.74,  18.16,  19.04,  22.29,
      35.37,  37.58,  36.43,  35.30,  35.47,  36.78,
      17.95,  19.41,  19.65,  19.30,  18.36,  16.86,
      35.09,  33.71,  16.74,  18.16,  19.04,  22.29 !
10 ! LENGTH =  30.95,  35.50,  31.95,  27.44,  26.52,  30.99,
      20.54,  19.04,  19.33,  19.04,  18.16,  16.74,
      46.08,  46.48,  17.18,  18.57,  19.41,  22.19,
      30.95,  35.50,  22.12,  16.63,  15.58,  21.09,
      20.54,  19.04,  19.33,  19.04,  18.16,  16.74,
      46.08,  46.48,  17.18,  18.57,  19.41,  22.19 !
10 ! XBADJ  = -70.09, -97.20, -99.59, -98.96, -97.82, -96.52,

```


CALPUFF.INP

```

-49.94, -12.75, -13.26, -13.37, -13.07, -12.38,
-17.39, -17.74, -12.13, -12.44, -12.37, 29.00,
39.14, 61.70, 50.22, 53.55, 52.66, 46.79,
29.39, -6.29, -6.07, -5.67, -5.09, -4.36,
-28.70, -28.74, -5.05, -6.14, -7.04, -51.19 !
10 ! YBADJ = 29.16, 31.04, 16.72, 1.90, -12.92, -27.35,
-13.62, 2.67, 2.10, 1.48, 0.80, 0.10,
0.11, 0.88, -2.22, -2.77, -3.23, -17.70,
-29.16, -31.04, -8.78, 1.97, 12.79, 23.11,
13.62, -2.67, -2.10, -1.47, -0.80, -0.11,
-0.11, -0.88, 2.22, 2.77, 3.23, 17.70 !

```

!END!

11 ! SRCNAM = SRC_11 !

```

11 ! HEIGHT = 30.90, 30.90, 30.90, 30.90, 30.90, 30.90,
29.30, 29.30, 29.30, 22.60, 22.60, 22.60,
18.60, 29.30, 29.30, 29.30, 27.70, 27.70,
30.90, 30.90, 30.90, 30.90, 30.90, 30.90,
29.30, 29.30, 29.30, 22.60, 22.60, 22.60,
18.60, 29.30, 29.30, 29.30, 27.70, 27.70 !
11 ! WIDTH = 38.56, 37.58, 35.46, 32.26, 32.75, 36.08,
17.95, 19.59, 20.63, 19.30, 18.36, 16.86,
35.09, 20.96, 22.32, 23.01, 30.04, 33.21,
38.56, 37.58, 35.46, 32.26, 32.75, 36.08,
17.95, 19.59, 20.63, 19.30, 18.36, 16.86,
35.09, 20.96, 22.32, 23.01, 30.04, 33.21 !
11 ! LENGTH = 37.97, 35.50, 31.95, 27.44, 26.52, 30.99,
20.54, 20.80, 20.44, 19.04, 18.16, 16.74,
46.08, 13.75, 16.69, 19.12, 36.04, 34.01,
37.97, 35.50, 31.95, 27.44, 26.52, 30.99,
20.54, 20.80, 20.44, 19.04, 18.16, 16.74,
46.08, 13.75, 16.69, 19.12, 36.04, 34.01 !
11 ! XBADJ = -82.47, -84.72, -84.40, -81.51, -78.64, -76.20,
-29.09, -26.38, -22.87, 5.29, 3.67, 1.95,
-5.92, 20.31, 22.01, 23.05, 20.90, 25.72,
44.50, 49.22, 52.45, 54.07, 52.12, 45.21,
8.55, 5.57, 2.43, -24.32, -21.83, -18.68,
-40.16, -34.06, -38.70, -42.17, -56.94, -59.73 !
11 ! YBADJ = 25.76, 14.30, 2.40, -9.56, -21.17, -32.16,
-14.82, -17.92, -20.47, 10.86, 13.28, 15.30,
17.55, -20.40, -15.25, -9.63, -25.29, -18.17,
-25.75, -14.30, -2.41, 9.56, 21.17, 32.16,
14.82, 17.92, 20.47, -10.86, -13.28, -15.30,
-17.55, 20.40, 15.25, 9.64, 25.29, 18.17 !

```

!END!

12 ! SRCNAM = SRC_12 !

```

12 ! HEIGHT = 27.70, 30.90, 30.90, 30.90, 30.90, 22.60,
22.60, 22.60, 22.60, 22.60, 22.60, 22.60,
18.60, 18.60, 22.60, 22.60, 22.60, 22.60,
27.70, 22.60, 22.60, 18.60, 18.60, 22.60,
22.60, 22.60, 22.60, 22.60, 22.60, 22.60,
18.60, 18.60, 22.60, 22.60, 22.60, 29.30 !
12 ! WIDTH = 35.37, 37.58, 35.46, 32.26, 32.75, 17.18,
18.57, 19.41, 19.65, 19.30, 18.36, 16.86,
35.09, 33.71, 16.74, 18.16, 19.04, 19.33,
35.37, 18.16, 16.74, 46.08, 46.48, 17.17,
18.57, 19.41, 19.65, 19.30, 18.36, 16.86,
35.09, 33.71, 16.74, 18.16, 19.04, 22.29 !
12 ! LENGTH = 30.95, 35.50, 31.95, 27.44, 26.52, 16.74,
18.16, 19.04, 19.33, 19.04, 18.16, 16.74,
46.08, 46.48, 17.18, 18.57, 19.41, 19.65,
30.95, 18.36, 16.86, 35.09, 33.70, 16.74,
18.16, 19.04, 19.33, 19.04, 18.16, 16.74,
46.08, 46.48, 17.18, 18.57, 19.41, 22.19 !

```

CALPUFF.INP

```

12 ! XBADJ = -85.84, -112.23, -113.45, -111.22, -108.10, -18.59,
             -17.32, -15.52, -13.26, -10.59, -7.60, -4.38,
             -7.10, -5.48, 1.73, 2.60, 3.39, 4.07,
             54.90, 5.05, 5.32, -5.39, -7.44, 1.85,
             -0.84, -3.51, -6.07, -8.45, -10.56, -12.36,
12 ! YBADJ = -38.98, -41.00, -18.90, -21.17, -22.79, -67.19 !
             26.38, 25.57, 8.72, -8.38, -25.17, -10.32,
             -11.88, -13.09, -13.90, -14.28, -14.23, -13.75,
             -12.15, -9.41, -10.22, -8.24, -6.01, -3.59,
             -26.38, 1.48, 3.99, 15.94, 17.76, 10.32,
             11.88, 13.09, 13.90, 14.28, 14.23, 13.75,
             12.15, 9.41, 10.22, 8.24, 6.01, 17.70 !

```

!END!

```

13 ! SRCNAM = SRC_13 !
13 ! HEIGHT = 27.70, 30.90, 30.90, 30.90, 30.90, 27.70,
             22.60, 22.60, 22.60, 22.60, 22.60, 22.60,
             18.60, 18.60, 22.60, 22.60, 22.60, 29.30,
             27.70, 22.60, 22.60, 18.60, 18.60, 22.60,
             22.60, 22.60, 22.60, 22.60, 22.60, 22.60,
13 ! WIDTH = 18.60, 18.60, 22.60, 22.60, 22.60, 29.30 !
             35.37, 37.58, 35.46, 32.26, 32.75, 36.78,
             18.57, 19.41, 19.65, 19.30, 18.36, 16.86,
             35.09, 33.71, 16.74, 18.16, 19.04, 22.29,
             35.37, 18.16, 16.74, 46.08, 46.48, 17.17,
             18.57, 19.41, 19.65, 19.30, 18.36, 16.86,
13 ! LENGTH = 35.09, 33.71, 16.74, 18.16, 19.04, 22.29 !
             30.95, 35.50, 31.95, 27.44, 26.52, 21.09,
             18.16, 19.04, 19.33, 19.04, 18.16, 16.74,
             46.08, 46.48, 17.18, 18.57, 19.41, 22.19,
             30.95, 18.36, 16.86, 35.09, 33.70, 16.74,
             18.16, 19.04, 19.33, 19.04, 18.16, 16.74,
13 ! XBADJ = 46.08, 46.48, 17.18, 18.57, 19.41, 22.19 !
             -82.60, -109.84, -111.99, -110.73, -108.59, -77.34,
             -19.71, -18.77, -17.26, -15.22, -12.72, -9.84,
             -12.74, -11.12, -3.73, -2.53, -1.25, 41.00,
             51.65, 2.66, 3.86, -5.89, -6.95, 3.31,
             1.55, -0.27, -2.07, -3.81, -5.44, -6.90,
13 ! YBADJ = -33.34, -35.36, -13.44, -16.04, -18.16, -63.19 !
             31.02, 30.69, 14.19, -2.75, -19.54, -31.51,
             -6.76, -8.46, -9.90, -11.04, -11.84, -12.29,
             -11.66, -9.90, -11.68, -10.63, -9.25, -21.70,
             -31.02, -3.64, -1.47, 10.30, 12.12, 4.85,
             6.76, 8.45, 9.90, 11.04, 11.84, 12.29,
             11.66, 9.90, 11.68, 10.63, 9.25, 21.70 !

```

!END!

```

14 ! SRCNAM = SRC_14 !
14 ! HEIGHT = 40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
             46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
             46.80, 40.00, 40.00, 40.00, 40.00, 35.00,
             40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
             46.80, 46.80, 93.90, 93.90, 93.90, 46.80,
14 ! WIDTH = 46.80, 40.00, 40.00, 40.00, 40.00, 35.00 !
             32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
             42.95, 40.97, 37.74, 40.71, 42.51, 43.02,
             42.22, 54.44, 48.44, 40.96, 32.24, 129.51,
             32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
             42.95, 40.96, 11.80, 13.51, 14.49, 43.02,
14 ! LENGTH = 42.22, 54.44, 48.43, 40.96, 32.24, 129.51 !
             60.87, 62.05, 61.35, 58.79, 54.44, 36.84,
             32.42, 27.02, 21.88, 28.10, 33.47, 37.82,
             41.02, 58.79, 61.35, 62.05, 60.87, 58.29,
             60.87, 62.05, 61.35, 58.79, 54.44, 36.84,
             32.42, 27.02, 10.87, 12.76, 14.25, 37.82,

```

CALPUFF.INP

```

14 ! XBADJ = 41.02, 58.79, 61.35, 62.05, 60.87, 58.29 !
              -36.24, -35.39, -33.47, -30.53, -26.66, 36.46,
              44.80, 51.78, 57.03, 54.16, 49.64, 43.61,
              36.26, -19.71, -21.23, -22.11, -22.32, -22.37,
              -24.63, -26.66, -27.88, -28.26, -27.77, -73.31,
              -77.22, -78.80, -52.47, -53.94, -53.76, -81.43,
              -77.28, -39.08, -40.12, -39.94, -38.55, -35.92 !
14 ! YBADJ = -7.78, -8.67, -9.29, -9.64, -9.69, -40.31,
              -30.12, -19.00, -7.31, 4.57, 16.28, 27.49,
              37.87, 0.56, 2.23, 3.83, 5.32, 38.86,
              7.78, 8.67, 9.29, 9.64, 9.69, 40.32,
              30.12, 19.00, 7.11, -1.17, -9.41, -27.49,
              -37.86, -0.55, -2.23, -3.83, -5.33, -38.86 !

```

!END!

15 ! SRCNAM = SRC_15 !

```

15 ! HEIGHT = 40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
              46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
              46.80, 40.00, 40.00, 40.00, 40.00, 35.00,
              40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
              46.80, 46.80, 93.90, 93.90, 93.90, 93.90,
              46.80, 40.00, 40.00, 40.00, 40.00, 35.00 !
15 ! WIDTH = 32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
              42.95, 40.97, 37.74, 40.71, 42.51, 43.02,
              42.22, 54.44, 48.44, 40.96, 32.24, 129.51,
              32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
              42.95, 40.96, 11.80, 13.51, 14.70, 14.70,
              42.22, 54.44, 48.43, 40.96, 32.24, 129.51 !
15 ! LENGTH = 60.87, 62.05, 61.35, 58.79, 54.44, 36.84,
              32.42, 27.02, 21.88, 28.10, 33.47, 37.82,
              41.02, 58.79, 61.35, 62.05, 60.87, 58.29,
              60.87, 62.05, 61.35, 58.79, 54.44, 36.84,
              32.42, 27.02, 10.87, 12.76, 14.25, 15.31,
              41.02, 58.79, 61.35, 62.05, 60.87, 58.29 !
15 ! XBADJ = -36.93, -36.76, -35.47, -33.10, -29.73, 33.00,
              41.04, 47.84, 53.03, 50.22, 45.88, 40.15,
              33.19, -22.28, -23.23, -23.48, -23.01, -22.37,
              -23.94, -25.29, -25.88, -25.69, -24.71, -69.84,
              -73.46, -74.86, -48.47, -50.00, -50.00, -48.48,
              -74.21, -36.51, -38.12, -38.57, -37.85, -35.92 !
15 ! YBADJ = -3.84, -4.91, -5.83, -6.57, -7.12, -38.31,
              -28.75, -18.31, -7.31, 3.88, 14.91, 25.49,
              35.29, -2.51, -1.23, 0.08, 1.38, 34.86,
              3.84, 4.91, 5.83, 6.57, 7.12, 38.32,
              28.75, 18.31, 7.11, -0.47, -8.04, -15.36,
              -35.29, 2.51, 1.24, -0.08, -1.38, -34.86 !

```

!END!

16 ! SRCNAM = SRC_16 !

```

16 ! HEIGHT = 40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
              46.80, 46.80, 46.80, 46.80, 46.80, 93.90,
              46.80, 40.00, 40.00, 40.00, 40.00, 35.00,
              40.00, 40.00, 40.00, 40.00, 40.00, 46.80,
              46.80, 46.80, 93.90, 93.90, 93.90, 93.90,
              46.80, 40.00, 40.00, 40.00, 40.00, 35.00 !
16 ! WIDTH = 32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
              42.95, 40.97, 37.74, 40.71, 42.51, 14.91,
              42.22, 54.44, 48.44, 40.96, 32.24, 129.51,
              32.24, 40.96, 48.43, 54.44, 58.79, 43.62,
              42.95, 40.96, 11.80, 13.51, 14.80, 14.91,
              42.22, 54.44, 48.43, 40.96, 32.24, 129.51 !
16 ! LENGTH = 60.87, 62.05, 61.35, 58.79, 54.44, 36.84,
              32.42, 27.02, 21.88, 28.10, 33.47, 15.31,
              41.02, 58.79, 61.35, 62.05, 60.87, 58.29,
              60.87, 62.05, 61.35, 58.79, 54.44, 36.84,

```

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```

    32.42, 27.02, 10.87, 12.76, 14.25, 15.31,
    41.02, 58.79, 61.35, 62.05, 60.87, 58.29 !
16 ! XBADJ = -37.62, -38.12, -37.47, -35.67, -32.79, 29.54,
    37.29, 43.90, 49.03, 46.28, 42.12, 29.71,
    30.13, -24.85, -25.23, -24.85, -23.71, -22.37,
    -23.24, -23.93, -23.88, -23.11, -21.64, -66.38,
    -69.71, -70.92, -44.47, -46.06, -46.24, -45.02,
    -71.15, -33.94, -36.12, -37.21, -37.16, -35.92 !
16 ! YBADJ = 0.10, -1.15, -2.37, -3.51, -4.55, -36.31,
    -27.38, -17.61, -7.31, 3.18, 13.54, 13.36,
    32.72, -5.57, -4.70, -3.68, -2.55, 30.86,
    -0.10, 1.15, 2.36, 3.51, 4.54, 36.32,
    27.38, 17.61, 7.11, 0.22, -6.67, -13.36,
    -32.72, 5.57, 4.70, 3.69, 2.55, -30.86 !

```

!END!

17 ! SRCNAM = SRC_17 !

```

17 ! HEIGHT = 46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
    46.80, 46.80, 46.80, 93.90, 93.90, 93.90,
    93.90, 46.80, 46.80, 46.80, 46.80, 35.00, 35.00,
    46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
    46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
17 ! WIDTH = 46.80, 46.80, 46.80, 46.80, 35.00, 35.00 !
    28.10, 33.47, 37.82, 41.02, 42.97, 43.62,
    42.95, 40.97, 37.74, 13.51, 14.80, 15.65,
    15.95, 40.14, 36.84, 32.42, 136.11, 129.51,
    28.10, 33.47, 37.82, 41.02, 42.97, 43.62,
    42.95, 40.96, 37.74, 40.71, 42.51, 43.02,
    42.22, 40.14, 36.84, 32.42, 136.11, 129.51 !
17 ! LENGTH = 40.71, 42.51, 43.02, 42.22, 40.14, 36.84,
    32.42, 27.02, 21.88, 12.75, 14.25, 15.31,
    15.91, 42.97, 43.62, 42.95, 72.01, 58.29,
    40.71, 42.51, 43.02, 42.22, 40.14, 36.84,
    32.42, 27.02, 21.88, 28.10, 33.47, 37.82,
17 ! XBADJ = 41.02, 42.97, 43.62, 42.95, 72.01, 58.29 !
    -5.11, -9.96, -14.51, -18.61, -22.14, -25.02,
    -27.12, -28.40, -28.97, -48.03, -50.20, -50.84,
    -49.95, -47.39, -47.01, -45.20, -66.99, -48.37,
    -35.59, -32.55, -28.52, -23.61, -18.00, -11.83,
    -5.30, 1.38, 7.09, 6.95, 6.60, 6.05,
    5.32, 4.42, 3.39, 2.26, -5.01, -9.92 !
17 ! YBADJ = 21.00, 23.33, 24.96, 25.83, 25.91, 25.20,
    23.73, 21.54, 18.69, 11.84, 4.43, -3.12,
    -10.58, -2.08, -6.59, -10.91, -43.83, -47.14,
    -21.00, -23.33, -24.96, -25.82, -25.91, -25.20,
    -23.73, -21.54, -18.69, -15.24, -11.29, -7.01,
    -2.50, 2.08, 6.59, 10.91, 43.83, 47.14 !

```

!END!

18 ! SRCNAM = SRC_18 !

```

18 ! HEIGHT = 46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
    46.80, 46.80, 46.80, 93.90, 93.90, 93.90,
    93.90, 46.80, 46.80, 46.80, 46.80, 35.00, 35.00,
    46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
    46.80, 46.80, 46.80, 46.80, 46.80, 46.80,
18 ! WIDTH = 46.80, 46.80, 46.80, 46.80, 35.00, 35.00 !
    28.10, 33.47, 37.82, 41.02, 42.97, 43.62,
    42.95, 40.97, 37.74, 13.51, 14.80, 15.65,
    15.99, 40.14, 36.84, 32.42, 136.11, 129.51,
    28.10, 33.47, 37.82, 41.02, 42.97, 43.62,
    42.95, 40.96, 37.74, 40.71, 42.51, 43.02,
    42.22, 40.14, 36.84, 32.42, 136.11, 129.51 !
18 ! LENGTH = 40.71, 42.51, 43.02, 42.22, 40.14, 36.84,
    32.42, 27.02, 21.88, 12.75, 14.25, 15.31,
    15.91, 42.97, 43.62, 42.95, 72.01, 58.29,

```

```

                                CALPUFF.INP
                                40.71, 42.51, 43.02, 42.22, 40.14, 36.84,
                                32.42, 27.02, 21.88, 28.10, 33.47, 37.82,
                                41.02, 42.97, 43.62, 42.95, 72.01, 58.29 !
18 ! XBADJ   =  -4.77,  -9.28, -13.51, -17.32, -20.61, -23.28,
                                -25.24, -26.43, -26.97, -46.06, -48.32, -49.11,
                                -48.42, -46.11, -46.01, -44.52, -66.65, -48.37,
                                -35.94, -33.23, -29.52, -24.90, -19.53, -13.56,
                                -7.18,  -0.59,  5.09,  4.98,  4.72,  4.32,
18 ! YBADJ   =   3.78,   3.14,   2.39,   1.57,  -5.36,  -9.92 !
                                19.03,  21.46,  23.23,  24.29,  24.62,  24.20,
                                23.05,  21.19,  18.69,  12.19,   5.11,  -2.12,
                                -9.29,  -0.54,  -4.86,  -9.03, -41.86, -45.14,
                                -19.03, -21.46, -23.23, -24.29, -24.62, -24.20,
                                -23.04, -21.19, -18.69, -15.59, -11.98,  -8.01,
                                -3.79,   0.54,   4.86,   9.03,  41.86,  45.14 !
!END!
19 ! SRCNAM = SRC_19 !
19 ! HEIGHT  =  35.00,  35.00,  46.80,  46.80,  46.80,  46.80,
                                46.80,  46.80,  46.80,  93.90,  93.90,  93.90,
                                46.80,  46.80,  46.80,  46.80,  35.00,  35.00,
                                35.00,  35.00,  46.80,  46.80,  46.80,  46.80,
                                46.80,  46.80,  46.80,  46.80,  46.80,  46.80,
19 ! WIDTH   =  46.80,  46.80,  46.80,  46.80,  35.00,  35.00 !
                                135.74, 138.27, 37.82, 41.02, 42.97, 43.62,
                                42.95, 40.97, 37.74, 13.51, 14.80, 15.41,
                                42.22, 40.14, 36.84, 32.42, 136.11, 129.51,
                                135.74, 138.27, 37.82, 41.02, 42.97, 43.62,
                                42.95, 40.96, 37.74, 40.71, 42.51, 43.02,
19 ! LENGTH  =  42.22, 40.14, 36.84, 32.42, 136.11, 129.51 !
                                71.56, 90.68, 43.02, 42.22, 40.14, 36.84,
                                32.42, 27.02, 21.88, 12.75, 14.25, 15.31,
                                41.02, 42.97, 43.62, 42.95, 72.01, 58.29,
                                71.56, 90.68, 43.02, 42.22, 40.14, 36.84,
                                32.42, 27.02, 21.88, 28.10, 33.47, 37.82,
19 ! XBADJ   =  41.02, 42.97, 43.62, 42.95, 72.01, 58.29 !
                                -32.41, -53.12, -22.37, -28.38, -33.51, -37.64,
                                -40.62, -42.36, -42.97, -61.64, -63.01, -62.47,
                                -56.42, -55.63, -53.15, -49.05, -68.44, -47.37,
                                -39.16, -37.55, -20.65, -13.85, -6.63,  0.79,
                                8.20,  15.34,  21.09,  20.56,  19.41,  17.68,
19 ! YBADJ   =  15.40, 12.65,  9.52,  6.10,  -3.57, -10.92 !
                                63.94, 64.99, 36.58, 35.91, 34.14, 31.34,
                                27.58, 22.98, 17.69,  8.42,  -1.30, -10.99,
                                -7.26, -13.44, -19.22, -24.41, -57.79, -61.14,
                                -63.94, -64.99, -36.58, -35.91, -34.14, -31.33,
                                -27.58, -22.98, -17.69, -11.83,  -5.57,  0.86,
                                7.26,  13.44,  19.21,  24.41,  57.79,  61.14 !
!END!

```

a

Building height, width, length, and X/Y offset from the source are treated as a separate input subgroup for each source and therefore must end with an input group terminator. The X/Y offset is the position, relative to the stack, of the center of the upwind face of the projected building, with the x-axis pointing along the flow direction.

Subgroup (13d)

CALPUFF.INP
POINT SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 13b. Factors entered multiply the rates in 13b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use PTEMARB.DAT and NPT2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12)
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

a
Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 14a, 14b, 14c, 14d -- Area source parameters

Subgroup (14a)

Number of polygon area sources with parameters specified below (NAR1) No default ! NAR1 = 0 !

Units used for area source emissions below (IARU) Default: 1 ! IARU = 1 !

- 1 = g/m**2/s
- 2 = kg/m**2/hr
- 3 = lb/m**2/hr
- 4 = tons/m**2/yr
- 5 = Odour Unit * m/s (vol. flux/m**2 of odour compound)
- 6 = Odour Unit * m/min
- 7 = metric tons/m**2/yr

Number of source-species combinations with variable emissions scaling factors provided below in (14d) (NSAR1) Default: 0 ! NSAR1 = 0 !

Number of buoyant polygon area sources with variable location and emission parameters (NAR2) No default ! NAR2 = 0 !

(If NAR2 > 0, ALL parameter data for these sources are read from the file: BAEMARB.DAT)

!END!

Subgroup (14b)

a
AREA SOURCE: CONSTANT DATA

Source No.	Effect. Height (m)	Base Elevation (m)	Initial Sigma z (m)	Emission Rates
-----	-----	-----	-----	-----

- a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.
- b
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IARU (e.g. 1 for g/m**2/s).

Subgroup (14c)

COORDINATES (km) FOR EACH VERTEX(4) OF EACH POLYGON

Source No.	Ordered list of X followed by list of Y, grouped by source
-----	-----

- a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

Subgroup (14d)

a
AREA SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 14b. Factors entered multiply the rates in 14b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use BAEMARB.DAT and NAR2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & season (4 groups of 24 hourly scaling factors,

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 where first group is DEC-JAN-FEB)
 4 = Speed & stab. (6 groups of 6 scaling factors, where
 first group is Stability Class A,
 and the speed classes have upper
 bounds (m/s) defined in Group 12
 5 = Temperature (12 scaling factors, where temperature
 classes have upper bounds (C) of:
 0, 5, 10, 15, 20, 25, 30, 35, 40,
 45, 50, 50+)

 a
 Data for each species are treated as a separate input subgroup
 and therefore must end with an input group terminator.

 INPUT GROUPS: 15a, 15b, 15c -- Line source parameters

 Subgroup (15a)

Number of buoyant line sources
 with variable location and emission
 parameters (NLN2) No default ! NLN2 = 0 !

(If NLN2 > 0, ALL parameter data for
 these sources are read from the file: LNEMARB.DAT)

Number of buoyant line sources (NLINES) No default ! NLINES = 0 !

Units used for line source
 emissions below (ILNU) Default: 1 ! ILNU = 1 !

- 1 = g/s
- 2 = kg/hr
- 3 = lb/hr
- 4 = tons/yr
- 5 = Odour Unit * m**3/s (vol. flux of odour compound)
- 6 = Odour Unit * m**3/min
- 7 = metric tons/yr

Number of source-species
 combinations with variable
 emissions scaling factors
 provided below in (15c) (NSLN1) Default: 0 ! NSLN1 = 0 !

Maximum number of segments used to model
 each line (MXNSEG) Default: 7 ! MXNSEG = 7 !

The following variables are required only if NLINES > 0. They are
 used in the buoyant line source plume rise calculations.

Number of distances at which
 transitional rise is computed Default: 6 ! NLRISE = 6 !

Average building length (XL) No default * XL = *
 (in meters)

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Average building height (HBL)	No default (in meters)	* HBL = *
Average building width (WBL)	No default (in meters)	* WBL = *
Average line source width (WML)	No default (in meters)	* WML = *
Average separation between buildings (DXL)	No default (in meters)	* DXL = *
Average buoyancy parameter (FPRIMEL)	No default (in m**4/s**3)	* FPRIMEL = *

!END!

Subgroup (15b)

BUOYANT LINE SOURCE: CONSTANT DATA

a Source Emission No. Rates	Beg. X Coordinate (km)	Beg. Y Coordinate (km)	End. X Coordinate (km)	End. Y Coordinate (km)	Release Height (m)	Base Elevation (m)
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by ILNTU (e.g. 1 for g/s).

Subgroup (15c)

a
BUOYANT LINE SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 15b. Factors entered multiply the rates in 15b. Skip sources here that have constant emissions.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant
1 =	Diurnal cycle (24 scaling factors: hours 1-24)
2 =	Monthly cycle (12 scaling factors: months 1-12)
3 =	Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)

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4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12

5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

a
Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 16a, 16b, 16c -- Volume source parameters

Subgroup (16a)

Number of volume sources with parameters provided in 16b,c (NVL1) No default ! NVL1 = 0 !

Units used for volume source emissions below in 16b (IVLU) Default: 1 ! IVLU = 1 !

1 = g/s

2 = kg/hr

3 = lb/hr

4 = tons/yr

5 = Odour Unit * m**3/s (vol. flux of odour compound)

6 = Odour Unit * m**3/min

7 = metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (16c) (NSVL1) Default: 0 ! NSVL1 = 0 !

Number of volume sources with variable location and emission parameters (NVL2) No default ! NVL2 = 0 !

(If NVL2 > 0, ALL parameter data for these sources are read from the VOLEMARB.DAT file(s))

!END!

Subgroup (16b)

a
VOLUME SOURCE: CONSTANT DATA

X Coordinate	Y Coordinate	Effect. Height	Base Elevation	Initial Sigma y	Initial Sigma z	Emission Rates

b

(km) (km) (m) CALPUFF.INP (m) (m)

a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IVLU (e.g. 1 for g/s).

Subgroup (16c)

a
VOLUME SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 16b. Factors entered multiply the rates in 16b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use VOLEMARB.DAT and NVL2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant
1 =	Diurnal cycle (24 scaling factors: hours 1-24)
2 =	Monthly cycle (12 scaling factors: months 1-12)
3 =	Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

a
Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 17a, 17b, 17c -- Non-gridded (discrete) receptor information

Subgroup (17a)

Number of non-gridded receptors (NREC) No default ! NREC = 9723 !

Group names can be used to assign receptor locations in

Subgroup 17c and thereby provide an identification that can be referenced when postprocessing receptors. The default assignment name X is used when NRGRP = 0.

Number of receptor group names (NRGRP) Default: 0 ! NRGRP = 0 !

!END!

 Subgroup (17b)

Provide a name for each receptor group if NRGRP>0.
 Enter NRGRP lines.

a,b
 Group Name

* RGRPNAMLIST = *

-
- a Each group name provided is treated as a separate input subgroup and therefore must end with an input group terminator.
 - b Receptor group names must not include blanks.

 Subgroup (17c)

a
 NON-GRIDDED (DISCRETE) RECEPTOR DATA

Receptor No.	Group Name ^c	X Coordinate (km)	Y Coordinate (km)	Ground Elevation (m)	Height Above Ground (m) ^b
1	! X =	693.429,	5150.094,	0.0,	0.0 ! !END!
2	! X =	727.796,	5186.068,	0.0,	0.0 ! !END!
3	! X =	692.940,	5158.499,	0.0,	0.0 ! !END!
4	! X =	692.742,	5158.525,	0.0,	0.0 ! !END!
5	! X =	692.792,	5158.525,	0.0,	0.0 ! !END!
6	! X =	692.842,	5158.525,	0.0,	0.0 ! !END!
7	! X =	692.892,	5158.525,	0.0,	0.0 ! !END!
8	! X =	692.942,	5158.525,	0.0,	0.0 ! !END!
9	! X =	693.042,	5158.525,	0.0,	0.0 ! !END!
10	! X =	693.092,	5158.525,	0.0,	0.0 ! !END!
11	! X =	693.142,	5158.525,	0.0,	0.0 ! !END!
12	! X =	693.192,	5158.525,	0.0,	0.0 ! !END!
13	! X =	693.242,	5158.525,	0.0,	0.0 ! !END!
14	! X =	693.292,	5158.525,	0.0,	0.0 ! !END!
15	! X =	693.342,	5158.525,	0.0,	0.0 ! !END!
16	! X =	693.392,	5158.525,	0.0,	0.0 ! !END!
17	! X =	693.442,	5158.525,	0.0,	0.0 ! !END!
18	! X =	693.492,	5158.525,	0.0,	0.0 ! !END!
19	! X =	692.492,	5158.575,	0.0,	0.0 ! !END!
20	! X =	692.542,	5158.575,	0.0,	0.0 ! !END!
21	! X =	692.592,	5158.575,	0.0,	0.0 ! !END!
22	! X =	692.642,	5158.575,	0.0,	0.0 ! !END!
23	! X =	692.692,	5158.575,	0.0,	0.0 ! !END!
24	! X =	692.742,	5158.575,	0.0,	0.0 ! !END!

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25	!	X =	692.792,	5158.575,	0.0,	0.0	!	!END!
26	!	X =	692.842,	5158.575,	0.0,	0.0	!	!END!
27	!	X =	692.892,	5158.575,	0.0,	0.0	!	!END!
28	!	X =	692.942,	5158.575,	0.0,	0.0	!	!END!
29	!	X =	692.992,	5158.575,	0.0,	0.0	!	!END!
30	!	X =	693.042,	5158.575,	0.0,	0.0	!	!END!
31	!	X =	693.092,	5158.575,	0.0,	0.0	!	!END!
32	!	X =	693.142,	5158.575,	0.0,	0.0	!	!END!
33	!	X =	693.192,	5158.575,	0.0,	0.0	!	!END!
34	!	X =	693.242,	5158.575,	0.0,	0.0	!	!END!
35	!	X =	693.292,	5158.575,	0.0,	0.0	!	!END!
36	!	X =	693.342,	5158.575,	0.0,	0.0	!	!END!
37	!	X =	693.392,	5158.575,	0.0,	0.0	!	!END!
38	!	X =	693.442,	5158.575,	0.0,	0.0	!	!END!
39	!	X =	693.492,	5158.575,	0.0,	0.0	!	!END!
40	!	X =	692.492,	5158.625,	0.0,	0.0	!	!END!
41	!	X =	692.542,	5158.625,	0.0,	0.0	!	!END!
42	!	X =	692.592,	5158.625,	0.0,	0.0	!	!END!
43	!	X =	692.642,	5158.625,	0.0,	0.0	!	!END!
44	!	X =	692.692,	5158.625,	0.0,	0.0	!	!END!
45	!	X =	692.742,	5158.625,	0.0,	0.0	!	!END!
46	!	X =	692.942,	5158.675,	0.0,	0.0	!	!END!
47	!	X =	692.992,	5158.675,	0.0,	0.0	!	!END!
48	!	X =	693.042,	5158.675,	0.0,	0.0	!	!END!
49	!	X =	693.092,	5158.675,	0.0,	0.0	!	!END!
50	!	X =	693.142,	5158.675,	0.0,	0.0	!	!END!
51	!	X =	693.192,	5158.675,	0.0,	0.0	!	!END!
52	!	X =	693.242,	5158.675,	0.0,	0.0	!	!END!
53	!	X =	693.292,	5158.675,	0.0,	0.0	!	!END!
54	!	X =	693.342,	5158.675,	0.0,	0.0	!	!END!
55	!	X =	693.392,	5158.675,	0.0,	0.0	!	!END!
56	!	X =	693.442,	5158.675,	0.0,	0.0	!	!END!
57	!	X =	693.492,	5158.675,	0.0,	0.0	!	!END!
58	!	X =	692.492,	5158.725,	0.0,	0.0	!	!END!
59	!	X =	692.542,	5158.725,	0.0,	0.0	!	!END!
60	!	X =	692.592,	5158.725,	0.0,	0.0	!	!END!
61	!	X =	692.642,	5158.725,	0.0,	0.0	!	!END!
62	!	X =	692.692,	5158.725,	0.0,	0.0	!	!END!
63	!	X =	692.742,	5158.725,	0.0,	0.0	!	!END!
64	!	X =	692.792,	5158.725,	0.0,	0.0	!	!END!
65	!	X =	692.842,	5158.725,	0.0,	0.0	!	!END!
66	!	X =	692.892,	5158.725,	0.0,	0.0	!	!END!
67	!	X =	692.942,	5158.725,	0.0,	0.0	!	!END!
68	!	X =	692.992,	5158.725,	0.0,	0.0	!	!END!
69	!	X =	693.042,	5158.725,	0.0,	0.0	!	!END!
70	!	X =	693.092,	5158.725,	0.0,	0.0	!	!END!
71	!	X =	693.142,	5158.725,	0.0,	0.0	!	!END!
72	!	X =	693.192,	5158.725,	0.0,	0.0	!	!END!
73	!	X =	693.242,	5158.725,	0.0,	0.0	!	!END!
74	!	X =	693.292,	5158.725,	0.0,	0.0	!	!END!
75	!	X =	693.342,	5158.725,	0.0,	0.0	!	!END!
76	!	X =	693.392,	5158.725,	0.0,	0.0	!	!END!
77	!	X =	693.442,	5158.725,	0.0,	0.0	!	!END!
78	!	X =	693.492,	5158.725,	0.0,	0.0	!	!END!
79	!	X =	692.492,	5158.775,	0.0,	0.0	!	!END!
80	!	X =	692.542,	5158.775,	0.0,	0.0	!	!END!
81	!	X =	692.592,	5158.775,	0.0,	0.0	!	!END!
82	!	X =	692.642,	5158.775,	0.0,	0.0	!	!END!
83	!	X =	692.692,	5158.775,	0.0,	0.0	!	!END!
84	!	X =	692.742,	5158.775,	0.0,	0.0	!	!END!
85	!	X =	692.792,	5158.775,	0.0,	0.0	!	!END!
86	!	X =	692.842,	5158.775,	0.0,	0.0	!	!END!
87	!	X =	692.892,	5158.775,	0.0,	0.0	!	!END!

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88	!	X =	692.942,	5158.775,	0.0,	0.0	!	!END!
89	!	X =	692.992,	5158.775,	0.0,	0.0	!	!END!
90	!	X =	693.042,	5158.775,	0.0,	0.0	!	!END!
91	!	X =	693.092,	5158.775,	0.0,	0.0	!	!END!
92	!	X =	693.142,	5158.775,	0.0,	0.0	!	!END!
93	!	X =	693.192,	5158.775,	0.0,	0.0	!	!END!
94	!	X =	693.242,	5158.775,	0.0,	0.0	!	!END!
95	!	X =	693.292,	5158.775,	0.0,	0.0	!	!END!
96	!	X =	693.342,	5158.775,	0.0,	0.0	!	!END!
97	!	X =	693.392,	5158.775,	0.0,	0.0	!	!END!
98	!	X =	693.442,	5158.775,	0.0,	0.0	!	!END!
99	!	X =	693.492,	5158.775,	0.0,	0.0	!	!END!
100	!	X =	692.492,	5158.825,	0.0,	0.0	!	!END!
101	!	X =	692.542,	5158.825,	0.0,	0.0	!	!END!
102	!	X =	692.592,	5158.825,	0.0,	0.0	!	!END!
103	!	X =	692.642,	5158.825,	0.0,	0.0	!	!END!
104	!	X =	692.692,	5158.825,	0.0,	0.0	!	!END!
105	!	X =	692.742,	5158.825,	0.0,	0.0	!	!END!
106	!	X =	692.792,	5158.825,	0.0,	0.0	!	!END!
107	!	X =	692.842,	5158.825,	0.0,	0.0	!	!END!
108	!	X =	692.892,	5158.825,	0.0,	0.0	!	!END!
109	!	X =	692.942,	5158.825,	0.0,	0.0	!	!END!
110	!	X =	692.992,	5158.825,	0.0,	0.0	!	!END!
111	!	X =	693.042,	5158.825,	0.0,	0.0	!	!END!
112	!	X =	693.092,	5158.825,	0.0,	0.0	!	!END!
113	!	X =	693.142,	5158.825,	0.0,	0.0	!	!END!
114	!	X =	693.192,	5158.825,	0.0,	0.0	!	!END!
115	!	X =	693.242,	5158.825,	0.0,	0.0	!	!END!
116	!	X =	693.292,	5158.825,	0.0,	0.0	!	!END!
117	!	X =	693.342,	5158.825,	0.0,	0.0	!	!END!
118	!	X =	693.392,	5158.825,	0.0,	0.0	!	!END!
119	!	X =	693.442,	5158.825,	0.0,	0.0	!	!END!
120	!	X =	693.492,	5158.825,	0.0,	0.0	!	!END!
121	!	X =	692.492,	5158.875,	0.0,	0.0	!	!END!
122	!	X =	692.542,	5158.875,	0.0,	0.0	!	!END!
123	!	X =	692.592,	5158.875,	0.0,	0.0	!	!END!
124	!	X =	692.642,	5158.875,	0.0,	0.0	!	!END!
125	!	X =	692.692,	5158.875,	0.0,	0.0	!	!END!
126	!	X =	692.742,	5158.875,	0.0,	0.0	!	!END!
127	!	X =	692.792,	5158.875,	0.0,	0.0	!	!END!
128	!	X =	692.842,	5158.875,	0.0,	0.0	!	!END!
129	!	X =	692.892,	5158.875,	0.0,	0.0	!	!END!
130	!	X =	692.942,	5158.875,	0.0,	0.0	!	!END!
131	!	X =	692.992,	5158.875,	0.0,	0.0	!	!END!
132	!	X =	693.042,	5158.875,	0.0,	0.0	!	!END!
133	!	X =	693.092,	5158.875,	0.0,	0.0	!	!END!
134	!	X =	693.142,	5158.875,	0.0,	0.0	!	!END!
135	!	X =	693.192,	5158.875,	0.0,	0.0	!	!END!
136	!	X =	693.242,	5158.875,	0.0,	0.0	!	!END!
137	!	X =	693.292,	5158.875,	0.0,	0.0	!	!END!
138	!	X =	693.342,	5158.875,	0.0,	0.0	!	!END!
139	!	X =	693.392,	5158.875,	0.0,	0.0	!	!END!
140	!	X =	693.442,	5158.875,	0.0,	0.0	!	!END!
141	!	X =	693.492,	5158.875,	0.0,	0.0	!	!END!
142	!	X =	692.492,	5158.925,	0.0,	0.0	!	!END!
143	!	X =	692.542,	5158.925,	0.0,	0.0	!	!END!
144	!	X =	692.592,	5158.925,	0.0,	0.0	!	!END!
145	!	X =	692.642,	5158.925,	0.0,	0.0	!	!END!
146	!	X =	692.692,	5158.925,	0.0,	0.0	!	!END!
147	!	X =	692.742,	5158.925,	0.0,	0.0	!	!END!
148	!	X =	692.792,	5158.925,	0.0,	0.0	!	!END!
149	!	X =	692.842,	5158.925,	0.0,	0.0	!	!END!
150	!	X =	692.892,	5158.925,	0.0,	0.0	!	!END!

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151 ! X =	692.942,	5158.925,	0.0,	0.0 !	!END!
152 ! X =	692.992,	5158.925,	0.0,	0.0 !	!END!
153 ! X =	693.042,	5158.925,	0.0,	0.0 !	!END!
154 ! X =	693.092,	5158.925,	0.0,	0.0 !	!END!
155 ! X =	693.142,	5158.925,	0.0,	0.0 !	!END!
156 ! X =	693.192,	5158.925,	0.0,	0.0 !	!END!
157 ! X =	693.242,	5158.925,	0.0,	0.0 !	!END!
158 ! X =	693.292,	5158.925,	0.0,	0.0 !	!END!
159 ! X =	693.342,	5158.925,	0.0,	0.0 !	!END!
160 ! X =	693.392,	5158.925,	0.0,	0.0 !	!END!
161 ! X =	693.442,	5158.925,	0.0,	0.0 !	!END!
162 ! X =	693.492,	5158.925,	0.0,	0.0 !	!END!
163 ! X =	692.492,	5158.975,	0.0,	0.0 !	!END!
164 ! X =	692.542,	5158.975,	0.0,	0.0 !	!END!
165 ! X =	692.592,	5158.975,	0.0,	0.0 !	!END!
166 ! X =	692.642,	5158.975,	0.0,	0.0 !	!END!
167 ! X =	692.692,	5158.975,	0.0,	0.0 !	!END!
168 ! X =	692.742,	5158.975,	0.0,	0.0 !	!END!
169 ! X =	692.792,	5158.975,	0.0,	0.0 !	!END!
170 ! X =	692.842,	5158.975,	0.0,	0.0 !	!END!
171 ! X =	692.892,	5158.975,	0.0,	0.0 !	!END!
172 ! X =	692.942,	5158.975,	0.0,	0.0 !	!END!
173 ! X =	692.992,	5158.975,	0.0,	0.0 !	!END!
174 ! X =	693.042,	5158.975,	0.0,	0.0 !	!END!
175 ! X =	693.092,	5158.975,	0.0,	0.0 !	!END!
176 ! X =	693.142,	5158.975,	0.0,	0.0 !	!END!
177 ! X =	693.192,	5158.975,	0.0,	0.0 !	!END!
178 ! X =	693.242,	5158.975,	0.0,	0.0 !	!END!
179 ! X =	693.292,	5158.975,	0.0,	0.0 !	!END!
180 ! X =	693.342,	5158.975,	0.0,	0.0 !	!END!
181 ! X =	693.392,	5158.975,	0.0,	0.0 !	!END!
182 ! X =	693.442,	5158.975,	0.0,	0.0 !	!END!
183 ! X =	693.492,	5158.975,	0.0,	0.0 !	!END!
184 ! X =	692.492,	5159.025,	0.0,	0.0 !	!END!
185 ! X =	692.542,	5159.025,	0.0,	0.0 !	!END!
186 ! X =	692.592,	5159.025,	0.0,	0.0 !	!END!
187 ! X =	692.642,	5159.025,	0.0,	0.0 !	!END!
188 ! X =	692.692,	5159.025,	0.0,	0.0 !	!END!
189 ! X =	692.742,	5159.025,	0.0,	0.0 !	!END!
190 ! X =	692.792,	5159.025,	0.0,	0.0 !	!END!
191 ! X =	692.842,	5159.025,	0.0,	0.0 !	!END!
192 ! X =	692.892,	5159.025,	0.0,	0.0 !	!END!
193 ! X =	692.942,	5159.025,	0.0,	0.0 !	!END!
194 ! X =	692.992,	5159.025,	0.0,	0.0 !	!END!
195 ! X =	693.042,	5159.025,	0.0,	0.0 !	!END!
196 ! X =	693.092,	5159.025,	0.0,	0.0 !	!END!
197 ! X =	693.142,	5159.025,	0.0,	0.0 !	!END!
198 ! X =	693.192,	5159.025,	0.0,	0.0 !	!END!
199 ! X =	693.242,	5159.025,	0.0,	0.0 !	!END!
200 ! X =	693.292,	5159.025,	0.0,	0.0 !	!END!
201 ! X =	693.342,	5159.025,	0.0,	0.0 !	!END!
202 ! X =	693.392,	5159.025,	0.0,	0.0 !	!END!
203 ! X =	693.442,	5159.025,	0.0,	0.0 !	!END!
204 ! X =	693.492,	5159.025,	0.0,	0.0 !	!END!
205 ! X =	691.992,	5157.525,	0.0,	0.0 !	!END!
206 ! X =	692.092,	5157.525,	0.0,	0.0 !	!END!
207 ! X =	692.192,	5157.525,	0.0,	0.0 !	!END!
208 ! X =	692.292,	5157.525,	0.0,	0.0 !	!END!
209 ! X =	692.392,	5157.525,	0.0,	0.0 !	!END!
210 ! X =	692.492,	5157.525,	0.0,	0.0 !	!END!
211 ! X =	692.592,	5157.525,	0.0,	0.0 !	!END!
212 ! X =	692.692,	5157.525,	0.0,	0.0 !	!END!
213 ! X =	692.792,	5157.525,	0.0,	0.0 !	!END!

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214	!	X =	692.892,	5157.525,	0.0,	0.0	!	!END!
215	!	X =	692.992,	5157.525,	0.0,	0.0	!	!END!
216	!	X =	693.092,	5157.525,	0.0,	0.0	!	!END!
217	!	X =	693.192,	5157.525,	0.0,	0.0	!	!END!
218	!	X =	693.292,	5157.525,	0.0,	0.0	!	!END!
219	!	X =	693.392,	5157.525,	0.0,	0.0	!	!END!
220	!	X =	693.492,	5157.525,	0.0,	0.0	!	!END!
221	!	X =	693.592,	5157.525,	0.0,	0.0	!	!END!
222	!	X =	693.692,	5157.525,	0.0,	0.0	!	!END!
223	!	X =	693.792,	5157.525,	0.0,	0.0	!	!END!
224	!	X =	693.892,	5157.525,	0.0,	0.0	!	!END!
225	!	X =	693.992,	5157.525,	0.0,	0.0	!	!END!
226	!	X =	691.992,	5157.625,	0.0,	0.0	!	!END!
227	!	X =	692.092,	5157.625,	0.0,	0.0	!	!END!
228	!	X =	692.192,	5157.625,	0.0,	0.0	!	!END!
229	!	X =	692.292,	5157.625,	0.0,	0.0	!	!END!
230	!	X =	692.392,	5157.625,	0.0,	0.0	!	!END!
231	!	X =	692.492,	5157.625,	0.0,	0.0	!	!END!
232	!	X =	692.592,	5157.625,	0.0,	0.0	!	!END!
233	!	X =	692.692,	5157.625,	0.0,	0.0	!	!END!
234	!	X =	692.792,	5157.625,	0.0,	0.0	!	!END!
235	!	X =	692.892,	5157.625,	0.0,	0.0	!	!END!
236	!	X =	692.992,	5157.625,	0.0,	0.0	!	!END!
237	!	X =	693.092,	5157.625,	0.0,	0.0	!	!END!
238	!	X =	693.192,	5157.625,	0.0,	0.0	!	!END!
239	!	X =	693.292,	5157.625,	0.0,	0.0	!	!END!
240	!	X =	693.392,	5157.625,	0.0,	0.0	!	!END!
241	!	X =	693.492,	5157.625,	0.0,	0.0	!	!END!
242	!	X =	693.592,	5157.625,	0.0,	0.0	!	!END!
243	!	X =	693.692,	5157.625,	0.0,	0.0	!	!END!
244	!	X =	693.792,	5157.625,	0.0,	0.0	!	!END!
245	!	X =	693.892,	5157.625,	0.0,	0.0	!	!END!
246	!	X =	693.992,	5157.625,	0.0,	0.0	!	!END!
247	!	X =	691.992,	5157.725,	0.0,	0.0	!	!END!
248	!	X =	692.092,	5157.725,	0.0,	0.0	!	!END!
249	!	X =	692.192,	5157.725,	0.0,	0.0	!	!END!
250	!	X =	692.292,	5157.725,	0.0,	0.0	!	!END!
251	!	X =	692.392,	5157.725,	0.0,	0.0	!	!END!
252	!	X =	692.492,	5157.725,	0.0,	0.0	!	!END!
253	!	X =	692.592,	5157.725,	0.0,	0.0	!	!END!
254	!	X =	692.692,	5157.725,	0.0,	0.0	!	!END!
255	!	X =	692.792,	5157.725,	0.0,	0.0	!	!END!
256	!	X =	692.892,	5157.725,	0.0,	0.0	!	!END!
257	!	X =	692.992,	5157.725,	0.0,	0.0	!	!END!
258	!	X =	693.092,	5157.725,	0.0,	0.0	!	!END!
259	!	X =	693.192,	5157.725,	0.0,	0.0	!	!END!
260	!	X =	693.292,	5157.725,	0.0,	0.0	!	!END!
261	!	X =	693.392,	5157.725,	0.0,	0.0	!	!END!
262	!	X =	693.492,	5157.725,	0.0,	0.0	!	!END!
263	!	X =	693.592,	5157.725,	0.0,	0.0	!	!END!
264	!	X =	693.692,	5157.725,	0.0,	0.0	!	!END!
265	!	X =	693.792,	5157.725,	0.0,	0.0	!	!END!
266	!	X =	693.892,	5157.725,	0.0,	0.0	!	!END!
267	!	X =	693.992,	5157.725,	0.0,	0.0	!	!END!
268	!	X =	691.992,	5157.825,	0.0,	0.0	!	!END!
269	!	X =	692.092,	5157.825,	0.0,	0.0	!	!END!
270	!	X =	692.192,	5157.825,	0.0,	0.0	!	!END!
271	!	X =	692.292,	5157.825,	0.0,	0.0	!	!END!
272	!	X =	692.392,	5157.825,	0.0,	0.0	!	!END!
273	!	X =	692.492,	5157.825,	0.0,	0.0	!	!END!
274	!	X =	692.592,	5157.825,	0.0,	0.0	!	!END!
275	!	X =	692.692,	5157.825,	0.0,	0.0	!	!END!
276	!	X =	692.792,	5157.825,	0.0,	0.0	!	!END!

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277	!	X =	692.892,	5157.825,	0.0,	0.0	!	!END!
278	!	X =	692.992,	5157.825,	0.0,	0.0	!	!END!
279	!	X =	693.092,	5157.825,	0.0,	0.0	!	!END!
280	!	X =	693.192,	5157.825,	0.0,	0.0	!	!END!
281	!	X =	693.292,	5157.825,	0.0,	0.0	!	!END!
282	!	X =	693.392,	5157.825,	0.0,	0.0	!	!END!
283	!	X =	693.492,	5157.825,	0.0,	0.0	!	!END!
284	!	X =	693.592,	5157.825,	0.0,	0.0	!	!END!
285	!	X =	693.692,	5157.825,	0.0,	0.0	!	!END!
286	!	X =	693.792,	5157.825,	0.0,	0.0	!	!END!
287	!	X =	693.892,	5157.825,	0.0,	0.0	!	!END!
288	!	X =	693.992,	5157.825,	0.0,	0.0	!	!END!
289	!	X =	691.992,	5157.925,	0.0,	0.0	!	!END!
290	!	X =	692.092,	5157.925,	0.0,	0.0	!	!END!
291	!	X =	692.192,	5157.925,	0.0,	0.0	!	!END!
292	!	X =	692.292,	5157.925,	0.0,	0.0	!	!END!
293	!	X =	692.392,	5157.925,	0.0,	0.0	!	!END!
294	!	X =	692.492,	5157.925,	0.0,	0.0	!	!END!
295	!	X =	692.592,	5157.925,	0.0,	0.0	!	!END!
296	!	X =	692.692,	5157.925,	0.0,	0.0	!	!END!
297	!	X =	692.792,	5157.925,	0.0,	0.0	!	!END!
298	!	X =	692.892,	5157.925,	0.0,	0.0	!	!END!
299	!	X =	692.992,	5157.925,	0.0,	0.0	!	!END!
300	!	X =	693.092,	5157.925,	0.0,	0.0	!	!END!
301	!	X =	693.192,	5157.925,	0.0,	0.0	!	!END!
302	!	X =	693.292,	5157.925,	0.0,	0.0	!	!END!
303	!	X =	693.392,	5157.925,	0.0,	0.0	!	!END!
304	!	X =	693.492,	5157.925,	0.0,	0.0	!	!END!
305	!	X =	693.592,	5157.925,	0.0,	0.0	!	!END!
306	!	X =	693.692,	5157.925,	0.0,	0.0	!	!END!
307	!	X =	693.792,	5157.925,	0.0,	0.0	!	!END!
308	!	X =	693.892,	5157.925,	0.0,	0.0	!	!END!
309	!	X =	693.992,	5157.925,	0.0,	0.0	!	!END!
310	!	X =	691.992,	5158.025,	0.0,	0.0	!	!END!
311	!	X =	692.092,	5158.025,	0.0,	0.0	!	!END!
312	!	X =	692.192,	5158.025,	0.0,	0.0	!	!END!
313	!	X =	692.292,	5158.025,	0.0,	0.0	!	!END!
314	!	X =	692.392,	5158.025,	0.0,	0.0	!	!END!
315	!	X =	693.592,	5158.025,	0.0,	0.0	!	!END!
316	!	X =	693.692,	5158.025,	0.0,	0.0	!	!END!
317	!	X =	693.792,	5158.025,	0.0,	0.0	!	!END!
318	!	X =	693.892,	5158.025,	0.0,	0.0	!	!END!
319	!	X =	693.992,	5158.025,	0.0,	0.0	!	!END!
320	!	X =	691.992,	5158.125,	0.0,	0.0	!	!END!
321	!	X =	692.092,	5158.125,	0.0,	0.0	!	!END!
322	!	X =	692.192,	5158.125,	0.0,	0.0	!	!END!
323	!	X =	692.292,	5158.125,	0.0,	0.0	!	!END!
324	!	X =	692.392,	5158.125,	0.0,	0.0	!	!END!
325	!	X =	693.592,	5158.125,	0.0,	0.0	!	!END!
326	!	X =	693.692,	5158.125,	0.0,	0.0	!	!END!
327	!	X =	693.792,	5158.125,	0.0,	0.0	!	!END!
328	!	X =	693.892,	5158.125,	0.0,	0.0	!	!END!
329	!	X =	693.992,	5158.125,	0.0,	0.0	!	!END!
330	!	X =	691.992,	5158.225,	0.0,	0.0	!	!END!
331	!	X =	692.092,	5158.225,	0.0,	0.0	!	!END!
332	!	X =	692.192,	5158.225,	0.0,	0.0	!	!END!
333	!	X =	692.292,	5158.225,	0.0,	0.0	!	!END!
334	!	X =	692.392,	5158.225,	0.0,	0.0	!	!END!
335	!	X =	693.592,	5158.225,	0.0,	0.0	!	!END!
336	!	X =	693.692,	5158.225,	0.0,	0.0	!	!END!
337	!	X =	693.792,	5158.225,	0.0,	0.0	!	!END!
338	!	X =	693.892,	5158.225,	0.0,	0.0	!	!END!
339	!	X =	693.992,	5158.225,	0.0,	0.0	!	!END!

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403	!	X =	692.292,	5158.925,	0.0,	0.0	!	!END!
404	!	X =	692.392,	5158.925,	0.0,	0.0	!	!END!
405	!	X =	693.592,	5158.925,	0.0,	0.0	!	!END!
406	!	X =	693.692,	5158.925,	0.0,	0.0	!	!END!
407	!	X =	693.792,	5158.925,	0.0,	0.0	!	!END!
408	!	X =	693.892,	5158.925,	0.0,	0.0	!	!END!
409	!	X =	693.992,	5158.925,	0.0,	0.0	!	!END!
410	!	X =	691.992,	5159.025,	0.0,	0.0	!	!END!
411	!	X =	692.092,	5159.025,	0.0,	0.0	!	!END!
412	!	X =	692.192,	5159.025,	0.0,	0.0	!	!END!
413	!	X =	692.292,	5159.025,	0.0,	0.0	!	!END!
414	!	X =	692.392,	5159.025,	0.0,	0.0	!	!END!
415	!	X =	693.592,	5159.025,	0.0,	0.0	!	!END!
416	!	X =	693.692,	5159.025,	0.0,	0.0	!	!END!
417	!	X =	693.792,	5159.025,	0.0,	0.0	!	!END!
418	!	X =	693.892,	5159.025,	0.0,	0.0	!	!END!
419	!	X =	693.992,	5159.025,	0.0,	0.0	!	!END!
420	!	X =	691.992,	5159.125,	0.0,	0.0	!	!END!
421	!	X =	692.092,	5159.125,	0.0,	0.0	!	!END!
422	!	X =	692.192,	5159.125,	0.0,	0.0	!	!END!
423	!	X =	692.292,	5159.125,	0.0,	0.0	!	!END!
424	!	X =	692.392,	5159.125,	0.0,	0.0	!	!END!
425	!	X =	692.492,	5159.125,	0.0,	0.0	!	!END!
426	!	X =	692.592,	5159.125,	0.0,	0.0	!	!END!
427	!	X =	692.692,	5159.125,	0.0,	0.0	!	!END!
428	!	X =	692.792,	5159.125,	0.0,	0.0	!	!END!
429	!	X =	692.892,	5159.125,	0.0,	0.0	!	!END!
430	!	X =	692.992,	5159.125,	0.0,	0.0	!	!END!
431	!	X =	693.092,	5159.125,	0.0,	0.0	!	!END!
432	!	X =	693.192,	5159.125,	0.0,	0.0	!	!END!
433	!	X =	693.292,	5159.125,	0.0,	0.0	!	!END!
434	!	X =	693.392,	5159.125,	0.0,	0.0	!	!END!
435	!	X =	693.492,	5159.125,	0.0,	0.0	!	!END!
436	!	X =	693.592,	5159.125,	0.0,	0.0	!	!END!
437	!	X =	693.692,	5159.125,	0.0,	0.0	!	!END!
438	!	X =	693.792,	5159.125,	0.0,	0.0	!	!END!
439	!	X =	693.892,	5159.125,	0.0,	0.0	!	!END!
440	!	X =	693.992,	5159.125,	0.0,	0.0	!	!END!
441	!	X =	691.992,	5159.225,	0.0,	0.0	!	!END!
442	!	X =	692.092,	5159.225,	0.0,	0.0	!	!END!
443	!	X =	692.192,	5159.225,	0.0,	0.0	!	!END!
444	!	X =	692.292,	5159.225,	0.0,	0.0	!	!END!
445	!	X =	692.392,	5159.225,	0.0,	0.0	!	!END!
446	!	X =	692.492,	5159.225,	0.0,	0.0	!	!END!
447	!	X =	692.592,	5159.225,	0.0,	0.0	!	!END!
448	!	X =	692.692,	5159.225,	0.0,	0.0	!	!END!
449	!	X =	692.792,	5159.225,	0.0,	0.0	!	!END!
450	!	X =	692.892,	5159.225,	0.0,	0.0	!	!END!
451	!	X =	692.992,	5159.225,	0.0,	0.0	!	!END!
452	!	X =	693.092,	5159.225,	0.0,	0.0	!	!END!
453	!	X =	693.192,	5159.225,	0.0,	0.0	!	!END!
454	!	X =	693.292,	5159.225,	0.0,	0.0	!	!END!
455	!	X =	693.392,	5159.225,	0.0,	0.0	!	!END!
456	!	X =	693.492,	5159.225,	0.0,	0.0	!	!END!
457	!	X =	693.592,	5159.225,	0.0,	0.0	!	!END!
458	!	X =	693.692,	5159.225,	0.0,	0.0	!	!END!
459	!	X =	693.792,	5159.225,	0.0,	0.0	!	!END!
460	!	X =	693.892,	5159.225,	0.0,	0.0	!	!END!
461	!	X =	693.992,	5159.225,	0.0,	0.0	!	!END!
462	!	X =	691.992,	5159.325,	0.0,	0.0	!	!END!
463	!	X =	692.092,	5159.325,	0.0,	0.0	!	!END!
464	!	X =	692.192,	5159.325,	0.0,	0.0	!	!END!
465	!	X =	692.292,	5159.325,	0.0,	0.0	!	!END!

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466	!	X =	692.392,	5159.325,	0.0,	0.0	!	!END!
467	!	X =	692.492,	5159.325,	0.0,	0.0	!	!END!
468	!	X =	692.592,	5159.325,	0.0,	0.0	!	!END!
469	!	X =	692.692,	5159.325,	0.0,	0.0	!	!END!
470	!	X =	692.792,	5159.325,	0.0,	0.0	!	!END!
471	!	X =	692.892,	5159.325,	0.0,	0.0	!	!END!
472	!	X =	692.992,	5159.325,	0.0,	0.0	!	!END!
473	!	X =	693.092,	5159.325,	0.0,	0.0	!	!END!
474	!	X =	693.192,	5159.325,	0.0,	0.0	!	!END!
475	!	X =	693.292,	5159.325,	0.0,	0.0	!	!END!
476	!	X =	693.392,	5159.325,	0.0,	0.0	!	!END!
477	!	X =	693.492,	5159.325,	0.0,	0.0	!	!END!
478	!	X =	693.592,	5159.325,	0.0,	0.0	!	!END!
479	!	X =	693.692,	5159.325,	0.0,	0.0	!	!END!
480	!	X =	693.792,	5159.325,	0.0,	0.0	!	!END!
481	!	X =	693.892,	5159.325,	0.0,	0.0	!	!END!
482	!	X =	693.992,	5159.325,	0.0,	0.0	!	!END!
483	!	X =	691.992,	5159.425,	0.0,	0.0	!	!END!
484	!	X =	692.092,	5159.425,	0.0,	0.0	!	!END!
485	!	X =	692.192,	5159.425,	0.0,	0.0	!	!END!
486	!	X =	692.292,	5159.425,	0.0,	0.0	!	!END!
487	!	X =	692.392,	5159.425,	0.0,	0.0	!	!END!
488	!	X =	692.492,	5159.425,	0.0,	0.0	!	!END!
489	!	X =	692.592,	5159.425,	0.0,	0.0	!	!END!
490	!	X =	692.692,	5159.425,	0.0,	0.0	!	!END!
491	!	X =	692.792,	5159.425,	0.0,	0.0	!	!END!
492	!	X =	692.892,	5159.425,	0.0,	0.0	!	!END!
493	!	X =	692.992,	5159.425,	0.0,	0.0	!	!END!
494	!	X =	693.092,	5159.425,	0.0,	0.0	!	!END!
495	!	X =	693.192,	5159.425,	0.0,	0.0	!	!END!
496	!	X =	693.292,	5159.425,	0.0,	0.0	!	!END!
497	!	X =	693.392,	5159.425,	0.0,	0.0	!	!END!
498	!	X =	693.492,	5159.425,	0.0,	0.0	!	!END!
499	!	X =	693.592,	5159.425,	0.0,	0.0	!	!END!
500	!	X =	693.692,	5159.425,	0.0,	0.0	!	!END!
501	!	X =	693.792,	5159.425,	0.0,	0.0	!	!END!
502	!	X =	693.892,	5159.425,	0.0,	0.0	!	!END!
503	!	X =	693.992,	5159.425,	0.0,	0.0	!	!END!
504	!	X =	691.992,	5159.525,	0.0,	0.0	!	!END!
505	!	X =	692.092,	5159.525,	0.0,	0.0	!	!END!
506	!	X =	692.192,	5159.525,	0.0,	0.0	!	!END!
507	!	X =	692.292,	5159.525,	0.0,	0.0	!	!END!
508	!	X =	692.392,	5159.525,	0.0,	0.0	!	!END!
509	!	X =	692.492,	5159.525,	0.0,	0.0	!	!END!
510	!	X =	692.592,	5159.525,	0.0,	0.0	!	!END!
511	!	X =	692.692,	5159.525,	0.0,	0.0	!	!END!
512	!	X =	692.792,	5159.525,	0.0,	0.0	!	!END!
513	!	X =	692.892,	5159.525,	0.0,	0.0	!	!END!
514	!	X =	692.992,	5159.525,	0.0,	0.0	!	!END!
515	!	X =	693.092,	5159.525,	0.0,	0.0	!	!END!
516	!	X =	693.192,	5159.525,	0.0,	0.0	!	!END!
517	!	X =	693.292,	5159.525,	0.0,	0.0	!	!END!
518	!	X =	693.392,	5159.525,	0.0,	0.0	!	!END!
519	!	X =	693.492,	5159.525,	0.0,	0.0	!	!END!
520	!	X =	693.592,	5159.525,	0.0,	0.0	!	!END!
521	!	X =	693.692,	5159.525,	0.0,	0.0	!	!END!
522	!	X =	693.792,	5159.525,	0.0,	0.0	!	!END!
523	!	X =	693.892,	5159.525,	0.0,	0.0	!	!END!
524	!	X =	693.992,	5159.525,	0.0,	0.0	!	!END!
525	!	X =	690.992,	5156.525,	0.0,	0.0	!	!END!
526	!	X =	691.192,	5156.525,	0.0,	0.0	!	!END!
527	!	X =	691.392,	5156.525,	0.0,	0.0	!	!END!
528	!	X =	691.592,	5156.525,	0.0,	0.0	!	!END!

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529	!	X =	691.792,	5156.525,	0.0,	0.0	!	!END!
530	!	X =	691.992,	5156.525,	0.0,	0.0	!	!END!
531	!	X =	692.192,	5156.525,	0.0,	0.0	!	!END!
532	!	X =	692.392,	5156.525,	0.0,	0.0	!	!END!
533	!	X =	692.592,	5156.525,	0.0,	0.0	!	!END!
534	!	X =	692.792,	5156.525,	0.0,	0.0	!	!END!
535	!	X =	692.992,	5156.525,	0.0,	0.0	!	!END!
536	!	X =	693.192,	5156.525,	0.0,	0.0	!	!END!
537	!	X =	693.392,	5156.525,	0.0,	0.0	!	!END!
538	!	X =	693.592,	5156.525,	0.0,	0.0	!	!END!
539	!	X =	693.792,	5156.525,	0.0,	0.0	!	!END!
540	!	X =	693.992,	5156.525,	0.0,	0.0	!	!END!
541	!	X =	694.192,	5156.525,	0.0,	0.0	!	!END!
542	!	X =	694.392,	5156.525,	0.0,	0.0	!	!END!
543	!	X =	694.592,	5156.525,	0.0,	0.0	!	!END!
544	!	X =	694.792,	5156.525,	0.0,	0.0	!	!END!
545	!	X =	694.992,	5156.525,	0.0,	0.0	!	!END!
546	!	X =	690.992,	5156.725,	0.0,	0.0	!	!END!
547	!	X =	691.192,	5156.725,	0.0,	0.0	!	!END!
548	!	X =	691.392,	5156.725,	0.0,	0.0	!	!END!
549	!	X =	691.592,	5156.725,	0.0,	0.0	!	!END!
550	!	X =	691.792,	5156.725,	0.0,	0.0	!	!END!
551	!	X =	691.992,	5156.725,	0.0,	0.0	!	!END!
552	!	X =	692.192,	5156.725,	0.0,	0.0	!	!END!
553	!	X =	692.392,	5156.725,	0.0,	0.0	!	!END!
554	!	X =	692.592,	5156.725,	0.0,	0.0	!	!END!
555	!	X =	692.792,	5156.725,	0.0,	0.0	!	!END!
556	!	X =	692.992,	5156.725,	0.0,	0.0	!	!END!
557	!	X =	693.192,	5156.725,	0.0,	0.0	!	!END!
558	!	X =	693.392,	5156.725,	0.0,	0.0	!	!END!
559	!	X =	693.592,	5156.725,	0.0,	0.0	!	!END!
560	!	X =	693.792,	5156.725,	0.0,	0.0	!	!END!
561	!	X =	693.992,	5156.725,	0.0,	0.0	!	!END!
562	!	X =	694.192,	5156.725,	0.0,	0.0	!	!END!
563	!	X =	694.392,	5156.725,	0.0,	0.0	!	!END!
564	!	X =	694.592,	5156.725,	0.0,	0.0	!	!END!
565	!	X =	694.792,	5156.725,	0.0,	0.0	!	!END!
566	!	X =	694.992,	5156.725,	0.0,	0.0	!	!END!
567	!	X =	690.992,	5156.925,	0.0,	0.0	!	!END!
568	!	X =	691.192,	5156.925,	0.0,	0.0	!	!END!
569	!	X =	691.392,	5156.925,	0.0,	0.0	!	!END!
570	!	X =	691.592,	5156.925,	0.0,	0.0	!	!END!
571	!	X =	691.792,	5156.925,	0.0,	0.0	!	!END!
572	!	X =	691.992,	5156.925,	0.0,	0.0	!	!END!
573	!	X =	692.192,	5156.925,	0.0,	0.0	!	!END!
574	!	X =	692.392,	5156.925,	0.0,	0.0	!	!END!
575	!	X =	692.592,	5156.925,	0.0,	0.0	!	!END!
576	!	X =	692.792,	5156.925,	0.0,	0.0	!	!END!
577	!	X =	692.992,	5156.925,	0.0,	0.0	!	!END!
578	!	X =	693.192,	5156.925,	0.0,	0.0	!	!END!
579	!	X =	693.392,	5156.925,	0.0,	0.0	!	!END!
580	!	X =	693.592,	5156.925,	0.0,	0.0	!	!END!
581	!	X =	693.792,	5156.925,	0.0,	0.0	!	!END!
582	!	X =	693.992,	5156.925,	0.0,	0.0	!	!END!
583	!	X =	694.192,	5156.925,	0.0,	0.0	!	!END!
584	!	X =	694.392,	5156.925,	0.0,	0.0	!	!END!
585	!	X =	694.592,	5156.925,	0.0,	0.0	!	!END!
586	!	X =	694.792,	5156.925,	0.0,	0.0	!	!END!
587	!	X =	694.992,	5156.925,	0.0,	0.0	!	!END!
588	!	X =	690.992,	5157.125,	0.0,	0.0	!	!END!
589	!	X =	691.192,	5157.125,	0.0,	0.0	!	!END!
590	!	X =	691.392,	5157.125,	0.0,	0.0	!	!END!
591	!	X =	691.592,	5157.125,	0.0,	0.0	!	!END!

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592	!	X =	691.792,	5157.125,	0.0,	0.0	!	!END!
593	!	X =	691.992,	5157.125,	0.0,	0.0	!	!END!
594	!	X =	692.192,	5157.125,	0.0,	0.0	!	!END!
595	!	X =	692.392,	5157.125,	0.0,	0.0	!	!END!
596	!	X =	692.592,	5157.125,	0.0,	0.0	!	!END!
597	!	X =	692.792,	5157.125,	0.0,	0.0	!	!END!
598	!	X =	692.992,	5157.125,	0.0,	0.0	!	!END!
599	!	X =	693.192,	5157.125,	0.0,	0.0	!	!END!
600	!	X =	693.392,	5157.125,	0.0,	0.0	!	!END!
601	!	X =	693.592,	5157.125,	0.0,	0.0	!	!END!
602	!	X =	693.792,	5157.125,	0.0,	0.0	!	!END!
603	!	X =	693.992,	5157.125,	0.0,	0.0	!	!END!
604	!	X =	694.192,	5157.125,	0.0,	0.0	!	!END!
605	!	X =	694.392,	5157.125,	0.0,	0.0	!	!END!
606	!	X =	694.592,	5157.125,	0.0,	0.0	!	!END!
607	!	X =	694.792,	5157.125,	0.0,	0.0	!	!END!
608	!	X =	694.992,	5157.125,	0.0,	0.0	!	!END!
609	!	X =	690.992,	5157.325,	0.0,	0.0	!	!END!
610	!	X =	691.192,	5157.325,	0.0,	0.0	!	!END!
611	!	X =	691.392,	5157.325,	0.0,	0.0	!	!END!
612	!	X =	691.592,	5157.325,	0.0,	0.0	!	!END!
613	!	X =	691.792,	5157.325,	0.0,	0.0	!	!END!
614	!	X =	691.992,	5157.325,	0.0,	0.0	!	!END!
615	!	X =	692.192,	5157.325,	0.0,	0.0	!	!END!
616	!	X =	692.392,	5157.325,	0.0,	0.0	!	!END!
617	!	X =	692.592,	5157.325,	0.0,	0.0	!	!END!
618	!	X =	692.792,	5157.325,	0.0,	0.0	!	!END!
619	!	X =	692.992,	5157.325,	0.0,	0.0	!	!END!
620	!	X =	693.192,	5157.325,	0.0,	0.0	!	!END!
621	!	X =	693.392,	5157.325,	0.0,	0.0	!	!END!
622	!	X =	693.592,	5157.325,	0.0,	0.0	!	!END!
623	!	X =	693.792,	5157.325,	0.0,	0.0	!	!END!
624	!	X =	693.992,	5157.325,	0.0,	0.0	!	!END!
625	!	X =	694.192,	5157.325,	0.0,	0.0	!	!END!
626	!	X =	694.392,	5157.325,	0.0,	0.0	!	!END!
627	!	X =	694.592,	5157.325,	0.0,	0.0	!	!END!
628	!	X =	694.792,	5157.325,	0.0,	0.0	!	!END!
629	!	X =	694.992,	5157.325,	0.0,	0.0	!	!END!
630	!	X =	690.992,	5157.525,	0.0,	0.0	!	!END!
631	!	X =	691.192,	5157.525,	0.0,	0.0	!	!END!
632	!	X =	691.392,	5157.525,	0.0,	0.0	!	!END!
633	!	X =	691.592,	5157.525,	0.0,	0.0	!	!END!
634	!	X =	691.792,	5157.525,	0.0,	0.0	!	!END!
635	!	X =	694.192,	5157.525,	0.0,	0.0	!	!END!
636	!	X =	694.392,	5157.525,	0.0,	0.0	!	!END!
637	!	X =	694.592,	5157.525,	0.0,	0.0	!	!END!
638	!	X =	694.792,	5157.525,	0.0,	0.0	!	!END!
639	!	X =	694.992,	5157.525,	0.0,	0.0	!	!END!
640	!	X =	690.992,	5157.725,	0.0,	0.0	!	!END!
641	!	X =	691.192,	5157.725,	0.0,	0.0	!	!END!
642	!	X =	691.392,	5157.725,	0.0,	0.0	!	!END!
643	!	X =	691.592,	5157.725,	0.0,	0.0	!	!END!
644	!	X =	691.792,	5157.725,	0.0,	0.0	!	!END!
645	!	X =	694.192,	5157.725,	0.0,	0.0	!	!END!
646	!	X =	694.392,	5157.725,	0.0,	0.0	!	!END!
647	!	X =	694.592,	5157.725,	0.0,	0.0	!	!END!
648	!	X =	694.792,	5157.725,	0.0,	0.0	!	!END!
649	!	X =	694.992,	5157.725,	0.0,	0.0	!	!END!
650	!	X =	690.992,	5157.925,	0.0,	0.0	!	!END!
651	!	X =	691.192,	5157.925,	0.0,	0.0	!	!END!
652	!	X =	691.392,	5157.925,	0.0,	0.0	!	!END!
653	!	X =	691.592,	5157.925,	0.0,	0.0	!	!END!
654	!	X =	691.792,	5157.925,	0.0,	0.0	!	!END!

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718	!	X =	694.792,	5159.125,	0.0,	0.0	!	!END!
719	!	X =	694.992,	5159.125,	0.0,	0.0	!	!END!
720	!	X =	690.992,	5159.325,	0.0,	0.0	!	!END!
721	!	X =	691.192,	5159.325,	0.0,	0.0	!	!END!
722	!	X =	691.392,	5159.325,	0.0,	0.0	!	!END!
723	!	X =	691.592,	5159.325,	0.0,	0.0	!	!END!
724	!	X =	691.792,	5159.325,	0.0,	0.0	!	!END!
725	!	X =	694.192,	5159.325,	0.0,	0.0	!	!END!
726	!	X =	694.392,	5159.325,	0.0,	0.0	!	!END!
727	!	X =	694.592,	5159.325,	0.0,	0.0	!	!END!
728	!	X =	694.792,	5159.325,	0.0,	0.0	!	!END!
729	!	X =	694.992,	5159.325,	0.0,	0.0	!	!END!
730	!	X =	690.992,	5159.525,	0.0,	0.0	!	!END!
731	!	X =	691.192,	5159.525,	0.0,	0.0	!	!END!
732	!	X =	691.392,	5159.525,	0.0,	0.0	!	!END!
733	!	X =	691.592,	5159.525,	0.0,	0.0	!	!END!
734	!	X =	691.792,	5159.525,	0.0,	0.0	!	!END!
735	!	X =	694.192,	5159.525,	0.0,	0.0	!	!END!
736	!	X =	694.392,	5159.525,	0.0,	0.0	!	!END!
737	!	X =	694.592,	5159.525,	0.0,	0.0	!	!END!
738	!	X =	694.792,	5159.525,	0.0,	0.0	!	!END!
739	!	X =	694.992,	5159.525,	0.0,	0.0	!	!END!
740	!	X =	690.992,	5159.725,	0.0,	0.0	!	!END!
741	!	X =	691.192,	5159.725,	0.0,	0.0	!	!END!
742	!	X =	691.392,	5159.725,	0.0,	0.0	!	!END!
743	!	X =	691.592,	5159.725,	0.0,	0.0	!	!END!
744	!	X =	691.792,	5159.725,	0.0,	0.0	!	!END!
745	!	X =	691.992,	5159.725,	0.0,	0.0	!	!END!
746	!	X =	692.192,	5159.725,	0.0,	0.0	!	!END!
747	!	X =	692.392,	5159.725,	0.0,	0.0	!	!END!
748	!	X =	692.592,	5159.725,	0.0,	0.0	!	!END!
749	!	X =	692.792,	5159.725,	0.0,	0.0	!	!END!
750	!	X =	692.992,	5159.725,	0.0,	0.0	!	!END!
751	!	X =	693.192,	5159.725,	0.0,	0.0	!	!END!
752	!	X =	693.392,	5159.725,	0.0,	0.0	!	!END!
753	!	X =	693.592,	5159.725,	0.0,	0.0	!	!END!
754	!	X =	693.792,	5159.725,	0.0,	0.0	!	!END!
755	!	X =	693.992,	5159.725,	0.0,	0.0	!	!END!
756	!	X =	694.192,	5159.725,	0.0,	0.0	!	!END!
757	!	X =	694.392,	5159.725,	0.0,	0.0	!	!END!
758	!	X =	694.592,	5159.725,	0.0,	0.0	!	!END!
759	!	X =	694.792,	5159.725,	0.0,	0.0	!	!END!
760	!	X =	694.992,	5159.725,	0.0,	0.0	!	!END!
761	!	X =	690.992,	5159.925,	0.0,	0.0	!	!END!
762	!	X =	691.192,	5159.925,	0.0,	0.0	!	!END!
763	!	X =	691.392,	5159.925,	0.0,	0.0	!	!END!
764	!	X =	691.592,	5159.925,	0.0,	0.0	!	!END!
765	!	X =	691.792,	5159.925,	0.0,	0.0	!	!END!
766	!	X =	691.992,	5159.925,	0.0,	0.0	!	!END!
767	!	X =	692.192,	5159.925,	0.0,	0.0	!	!END!
768	!	X =	692.392,	5159.925,	0.0,	0.0	!	!END!
769	!	X =	692.592,	5159.925,	0.0,	0.0	!	!END!
770	!	X =	692.792,	5159.925,	0.0,	0.0	!	!END!
771	!	X =	692.992,	5159.925,	0.0,	0.0	!	!END!
772	!	X =	693.192,	5159.925,	0.0,	0.0	!	!END!
773	!	X =	693.392,	5159.925,	0.0,	0.0	!	!END!
774	!	X =	693.592,	5159.925,	0.0,	0.0	!	!END!
775	!	X =	693.792,	5159.925,	0.0,	0.0	!	!END!
776	!	X =	693.992,	5159.925,	0.0,	0.0	!	!END!
777	!	X =	694.192,	5159.925,	0.0,	0.0	!	!END!
778	!	X =	694.392,	5159.925,	0.0,	0.0	!	!END!
779	!	X =	694.592,	5159.925,	0.0,	0.0	!	!END!
780	!	X =	694.792,	5159.925,	0.0,	0.0	!	!END!

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781	!	X =	694.992,	5159.925,	0.0,	0.0	!	!END!
782	!	X =	690.992,	5160.125,	0.0,	0.0	!	!END!
783	!	X =	691.192,	5160.125,	0.0,	0.0	!	!END!
784	!	X =	691.392,	5160.125,	0.0,	0.0	!	!END!
785	!	X =	691.592,	5160.125,	0.0,	0.0	!	!END!
786	!	X =	691.792,	5160.125,	0.0,	0.0	!	!END!
787	!	X =	691.992,	5160.125,	0.0,	0.0	!	!END!
788	!	X =	692.192,	5160.125,	0.0,	0.0	!	!END!
789	!	X =	692.392,	5160.125,	0.0,	0.0	!	!END!
790	!	X =	692.592,	5160.125,	0.0,	0.0	!	!END!
791	!	X =	692.792,	5160.125,	0.0,	0.0	!	!END!
792	!	X =	692.992,	5160.125,	0.0,	0.0	!	!END!
793	!	X =	693.192,	5160.125,	0.0,	0.0	!	!END!
794	!	X =	693.392,	5160.125,	0.0,	0.0	!	!END!
795	!	X =	693.592,	5160.125,	0.0,	0.0	!	!END!
796	!	X =	693.792,	5160.125,	0.0,	0.0	!	!END!
797	!	X =	693.992,	5160.125,	0.0,	0.0	!	!END!
798	!	X =	694.192,	5160.125,	0.0,	0.0	!	!END!
799	!	X =	694.392,	5160.125,	0.0,	0.0	!	!END!
800	!	X =	694.592,	5160.125,	0.0,	0.0	!	!END!
801	!	X =	694.792,	5160.125,	0.0,	0.0	!	!END!
802	!	X =	694.992,	5160.125,	0.0,	0.0	!	!END!
803	!	X =	690.992,	5160.325,	0.0,	0.0	!	!END!
804	!	X =	691.192,	5160.325,	0.0,	0.0	!	!END!
805	!	X =	691.392,	5160.325,	0.0,	0.0	!	!END!
806	!	X =	691.592,	5160.325,	0.0,	0.0	!	!END!
807	!	X =	691.792,	5160.325,	0.0,	0.0	!	!END!
808	!	X =	691.992,	5160.325,	0.0,	0.0	!	!END!
809	!	X =	692.192,	5160.325,	0.0,	0.0	!	!END!
810	!	X =	692.392,	5160.325,	0.0,	0.0	!	!END!
811	!	X =	692.592,	5160.325,	0.0,	0.0	!	!END!
812	!	X =	692.792,	5160.325,	0.0,	0.0	!	!END!
813	!	X =	692.992,	5160.325,	0.0,	0.0	!	!END!
814	!	X =	693.192,	5160.325,	0.0,	0.0	!	!END!
815	!	X =	693.392,	5160.325,	0.0,	0.0	!	!END!
816	!	X =	693.592,	5160.325,	0.0,	0.0	!	!END!
817	!	X =	693.792,	5160.325,	0.0,	0.0	!	!END!
818	!	X =	693.992,	5160.325,	0.0,	0.0	!	!END!
819	!	X =	694.192,	5160.325,	0.0,	0.0	!	!END!
820	!	X =	694.392,	5160.325,	0.0,	0.0	!	!END!
821	!	X =	694.592,	5160.325,	0.0,	0.0	!	!END!
822	!	X =	694.792,	5160.325,	0.0,	0.0	!	!END!
823	!	X =	694.992,	5160.325,	0.0,	0.0	!	!END!
824	!	X =	690.992,	5160.525,	0.0,	0.0	!	!END!
825	!	X =	691.192,	5160.525,	0.0,	0.0	!	!END!
826	!	X =	691.392,	5160.525,	0.0,	0.0	!	!END!
827	!	X =	691.592,	5160.525,	0.0,	0.0	!	!END!
828	!	X =	691.792,	5160.525,	0.0,	0.0	!	!END!
829	!	X =	691.992,	5160.525,	0.0,	0.0	!	!END!
830	!	X =	692.192,	5160.525,	0.0,	0.0	!	!END!
831	!	X =	692.392,	5160.525,	0.0,	0.0	!	!END!
832	!	X =	692.592,	5160.525,	0.0,	0.0	!	!END!
833	!	X =	692.792,	5160.525,	0.0,	0.0	!	!END!
834	!	X =	692.992,	5160.525,	0.0,	0.0	!	!END!
835	!	X =	693.192,	5160.525,	0.0,	0.0	!	!END!
836	!	X =	693.392,	5160.525,	0.0,	0.0	!	!END!
837	!	X =	693.592,	5160.525,	0.0,	0.0	!	!END!
838	!	X =	693.792,	5160.525,	0.0,	0.0	!	!END!
839	!	X =	693.992,	5160.525,	0.0,	0.0	!	!END!
840	!	X =	694.192,	5160.525,	0.0,	0.0	!	!END!
841	!	X =	694.392,	5160.525,	0.0,	0.0	!	!END!
842	!	X =	694.592,	5160.525,	0.0,	0.0	!	!END!
843	!	X =	694.792,	5160.525,	0.0,	0.0	!	!END!

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844	!	X =	694.992,	5160.525,	0.0,	0.0	!	!END!
845	!	X =	692.492,	5158.025,	0.0,	0.0	!	!END!
846	!	X =	692.542,	5158.025,	0.0,	0.0	!	!END!
847	!	X =	692.592,	5158.025,	0.0,	0.0	!	!END!
848	!	X =	692.642,	5158.025,	0.0,	0.0	!	!END!
849	!	X =	692.692,	5158.025,	0.0,	0.0	!	!END!
850	!	X =	692.742,	5158.025,	0.0,	0.0	!	!END!
851	!	X =	692.792,	5158.025,	0.0,	0.0	!	!END!
852	!	X =	692.842,	5158.025,	0.0,	0.0	!	!END!
853	!	X =	692.892,	5158.025,	0.0,	0.0	!	!END!
854	!	X =	692.942,	5158.025,	0.0,	0.0	!	!END!
855	!	X =	692.992,	5158.025,	0.0,	0.0	!	!END!
856	!	X =	693.042,	5158.025,	0.0,	0.0	!	!END!
857	!	X =	693.092,	5158.025,	0.0,	0.0	!	!END!
858	!	X =	693.142,	5158.025,	0.0,	0.0	!	!END!
859	!	X =	693.192,	5158.025,	0.0,	0.0	!	!END!
860	!	X =	693.242,	5158.025,	0.0,	0.0	!	!END!
861	!	X =	693.292,	5158.025,	0.0,	0.0	!	!END!
862	!	X =	693.342,	5158.025,	0.0,	0.0	!	!END!
863	!	X =	693.392,	5158.025,	0.0,	0.0	!	!END!
864	!	X =	693.442,	5158.025,	0.0,	0.0	!	!END!
865	!	X =	693.492,	5158.025,	0.0,	0.0	!	!END!
866	!	X =	692.492,	5158.075,	0.0,	0.0	!	!END!
867	!	X =	692.542,	5158.075,	0.0,	0.0	!	!END!
868	!	X =	692.592,	5158.075,	0.0,	0.0	!	!END!
869	!	X =	692.642,	5158.075,	0.0,	0.0	!	!END!
870	!	X =	692.692,	5158.075,	0.0,	0.0	!	!END!
871	!	X =	692.742,	5158.075,	0.0,	0.0	!	!END!
872	!	X =	692.792,	5158.075,	0.0,	0.0	!	!END!
873	!	X =	692.842,	5158.075,	0.0,	0.0	!	!END!
874	!	X =	692.892,	5158.075,	0.0,	0.0	!	!END!
875	!	X =	692.942,	5158.075,	0.0,	0.0	!	!END!
876	!	X =	692.992,	5158.075,	0.0,	0.0	!	!END!
877	!	X =	693.042,	5158.075,	0.0,	0.0	!	!END!
878	!	X =	693.092,	5158.075,	0.0,	0.0	!	!END!
879	!	X =	693.142,	5158.075,	0.0,	0.0	!	!END!
880	!	X =	693.192,	5158.075,	0.0,	0.0	!	!END!
881	!	X =	693.242,	5158.075,	0.0,	0.0	!	!END!
882	!	X =	693.292,	5158.075,	0.0,	0.0	!	!END!
883	!	X =	693.342,	5158.075,	0.0,	0.0	!	!END!
884	!	X =	693.392,	5158.075,	0.0,	0.0	!	!END!
885	!	X =	727.305,	5185.600,	0.0,	0.0	!	!END!
886	!	X =	727.355,	5185.600,	0.0,	0.0	!	!END!
887	!	X =	727.405,	5185.600,	0.0,	0.0	!	!END!
888	!	X =	727.455,	5185.600,	0.0,	0.0	!	!END!
889	!	X =	727.505,	5185.600,	0.0,	0.0	!	!END!
890	!	X =	727.555,	5185.600,	0.0,	0.0	!	!END!
891	!	X =	727.605,	5185.600,	0.0,	0.0	!	!END!
892	!	X =	727.655,	5185.600,	0.0,	0.0	!	!END!
893	!	X =	727.705,	5185.600,	0.0,	0.0	!	!END!
894	!	X =	727.755,	5185.600,	0.0,	0.0	!	!END!
895	!	X =	727.805,	5185.600,	0.0,	0.0	!	!END!
896	!	X =	727.855,	5185.600,	0.0,	0.0	!	!END!
897	!	X =	727.905,	5185.600,	0.0,	0.0	!	!END!
898	!	X =	727.955,	5185.600,	0.0,	0.0	!	!END!
899	!	X =	728.005,	5185.600,	0.0,	0.0	!	!END!
900	!	X =	728.055,	5185.600,	0.0,	0.0	!	!END!
901	!	X =	728.105,	5185.600,	0.0,	0.0	!	!END!
902	!	X =	728.155,	5185.600,	0.0,	0.0	!	!END!
903	!	X =	728.205,	5185.600,	0.0,	0.0	!	!END!
904	!	X =	728.255,	5185.600,	0.0,	0.0	!	!END!
905	!	X =	728.305,	5185.600,	0.0,	0.0	!	!END!
906	!	X =	727.305,	5185.650,	0.0,	0.0	!	!END!

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907	!	X =	727.355,	5185.650,	0.0,	0.0	!	!END!
908	!	X =	727.405,	5185.650,	0.0,	0.0	!	!END!
909	!	X =	727.455,	5185.650,	0.0,	0.0	!	!END!
910	!	X =	727.505,	5185.650,	0.0,	0.0	!	!END!
911	!	X =	727.555,	5185.650,	0.0,	0.0	!	!END!
912	!	X =	727.605,	5185.650,	0.0,	0.0	!	!END!
913	!	X =	727.655,	5185.650,	0.0,	0.0	!	!END!
914	!	X =	727.705,	5185.650,	0.0,	0.0	!	!END!
915	!	X =	727.755,	5185.650,	0.0,	0.0	!	!END!
916	!	X =	727.805,	5185.650,	0.0,	0.0	!	!END!
917	!	X =	727.855,	5185.650,	0.0,	0.0	!	!END!
918	!	X =	727.905,	5185.650,	0.0,	0.0	!	!END!
919	!	X =	727.955,	5185.650,	0.0,	0.0	!	!END!
920	!	X =	728.005,	5185.650,	0.0,	0.0	!	!END!
921	!	X =	728.055,	5185.650,	0.0,	0.0	!	!END!
922	!	X =	728.105,	5185.650,	0.0,	0.0	!	!END!
923	!	X =	728.155,	5185.650,	0.0,	0.0	!	!END!
924	!	X =	728.205,	5185.650,	0.0,	0.0	!	!END!
925	!	X =	728.255,	5185.650,	0.0,	0.0	!	!END!
926	!	X =	728.305,	5185.650,	0.0,	0.0	!	!END!
927	!	X =	727.305,	5185.700,	0.0,	0.0	!	!END!
928	!	X =	727.355,	5185.700,	0.0,	0.0	!	!END!
929	!	X =	727.405,	5185.700,	0.0,	0.0	!	!END!
930	!	X =	727.455,	5185.700,	0.0,	0.0	!	!END!
931	!	X =	727.505,	5185.700,	0.0,	0.0	!	!END!
932	!	X =	727.555,	5185.700,	0.0,	0.0	!	!END!
933	!	X =	727.605,	5185.700,	0.0,	0.0	!	!END!
934	!	X =	727.655,	5185.700,	0.0,	0.0	!	!END!
935	!	X =	727.705,	5185.700,	0.0,	0.0	!	!END!
936	!	X =	727.755,	5185.700,	0.0,	0.0	!	!END!
937	!	X =	727.805,	5185.700,	0.0,	0.0	!	!END!
938	!	X =	727.855,	5185.700,	0.0,	0.0	!	!END!
939	!	X =	727.905,	5185.700,	0.0,	0.0	!	!END!
940	!	X =	727.955,	5185.700,	0.0,	0.0	!	!END!
941	!	X =	728.005,	5185.700,	0.0,	0.0	!	!END!
942	!	X =	728.055,	5185.700,	0.0,	0.0	!	!END!
943	!	X =	728.105,	5185.700,	0.0,	0.0	!	!END!
944	!	X =	728.155,	5185.700,	0.0,	0.0	!	!END!
945	!	X =	728.205,	5185.700,	0.0,	0.0	!	!END!
946	!	X =	728.255,	5185.700,	0.0,	0.0	!	!END!
947	!	X =	728.305,	5185.700,	0.0,	0.0	!	!END!
948	!	X =	727.305,	5185.750,	0.0,	0.0	!	!END!
949	!	X =	727.355,	5185.750,	0.0,	0.0	!	!END!
950	!	X =	727.405,	5185.750,	0.0,	0.0	!	!END!
951	!	X =	727.455,	5185.750,	0.0,	0.0	!	!END!
952	!	X =	727.505,	5185.750,	0.0,	0.0	!	!END!
953	!	X =	727.555,	5185.750,	0.0,	0.0	!	!END!
954	!	X =	727.605,	5185.750,	0.0,	0.0	!	!END!
955	!	X =	727.655,	5185.750,	0.0,	0.0	!	!END!
956	!	X =	727.705,	5185.750,	0.0,	0.0	!	!END!
957	!	X =	727.755,	5185.750,	0.0,	0.0	!	!END!
958	!	X =	727.805,	5185.750,	0.0,	0.0	!	!END!
959	!	X =	727.855,	5185.750,	0.0,	0.0	!	!END!
960	!	X =	727.905,	5185.750,	0.0,	0.0	!	!END!
961	!	X =	727.955,	5185.750,	0.0,	0.0	!	!END!
962	!	X =	728.005,	5185.750,	0.0,	0.0	!	!END!
963	!	X =	728.055,	5185.750,	0.0,	0.0	!	!END!
964	!	X =	728.105,	5185.750,	0.0,	0.0	!	!END!
965	!	X =	728.155,	5185.750,	0.0,	0.0	!	!END!
966	!	X =	728.205,	5185.750,	0.0,	0.0	!	!END!
967	!	X =	728.255,	5185.750,	0.0,	0.0	!	!END!
968	!	X =	728.305,	5185.750,	0.0,	0.0	!	!END!
969	!	X =	727.305,	5185.800,	0.0,	0.0	!	!END!

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970	!	X =	727.355,	5185.800,	0.0,	0.0	!	!END!
971	!	X =	727.405,	5185.800,	0.0,	0.0	!	!END!
972	!	X =	727.455,	5185.800,	0.0,	0.0	!	!END!
973	!	X =	727.505,	5185.800,	0.0,	0.0	!	!END!
974	!	X =	727.555,	5185.800,	0.0,	0.0	!	!END!
975	!	X =	727.605,	5185.800,	0.0,	0.0	!	!END!
976	!	X =	727.655,	5185.800,	0.0,	0.0	!	!END!
977	!	X =	727.705,	5185.800,	0.0,	0.0	!	!END!
978	!	X =	727.755,	5185.800,	0.0,	0.0	!	!END!
979	!	X =	727.805,	5185.800,	0.0,	0.0	!	!END!
980	!	X =	727.855,	5185.800,	0.0,	0.0	!	!END!
981	!	X =	727.905,	5185.800,	0.0,	0.0	!	!END!
982	!	X =	727.955,	5185.800,	0.0,	0.0	!	!END!
983	!	X =	728.005,	5185.800,	0.0,	0.0	!	!END!
984	!	X =	728.055,	5185.800,	0.0,	0.0	!	!END!
985	!	X =	728.105,	5185.800,	0.0,	0.0	!	!END!
986	!	X =	728.155,	5185.800,	0.0,	0.0	!	!END!
987	!	X =	728.205,	5185.800,	0.0,	0.0	!	!END!
988	!	X =	728.255,	5185.800,	0.0,	0.0	!	!END!
989	!	X =	728.305,	5185.800,	0.0,	0.0	!	!END!
990	!	X =	727.305,	5185.850,	0.0,	0.0	!	!END!
991	!	X =	727.355,	5185.850,	0.0,	0.0	!	!END!
992	!	X =	727.405,	5185.850,	0.0,	0.0	!	!END!
993	!	X =	727.455,	5185.850,	0.0,	0.0	!	!END!
994	!	X =	727.505,	5185.850,	0.0,	0.0	!	!END!
995	!	X =	727.555,	5185.850,	0.0,	0.0	!	!END!
996	!	X =	727.605,	5185.850,	0.0,	0.0	!	!END!
997	!	X =	727.655,	5185.850,	0.0,	0.0	!	!END!
998	!	X =	727.705,	5185.850,	0.0,	0.0	!	!END!
999	!	X =	727.755,	5185.850,	0.0,	0.0	!	!END!
1000	!	X =	727.805,	5185.850,	0.0,	0.0	!	!END!
1001	!	X =	727.855,	5185.850,	0.0,	0.0	!	!END!
1002	!	X =	727.905,	5185.850,	0.0,	0.0	!	!END!
1003	!	X =	727.955,	5185.850,	0.0,	0.0	!	!END!
1004	!	X =	728.005,	5185.850,	0.0,	0.0	!	!END!
1005	!	X =	728.055,	5185.850,	0.0,	0.0	!	!END!
1006	!	X =	728.105,	5185.850,	0.0,	0.0	!	!END!
1007	!	X =	728.155,	5185.850,	0.0,	0.0	!	!END!
1008	!	X =	728.205,	5185.850,	0.0,	0.0	!	!END!
1009	!	X =	728.255,	5185.850,	0.0,	0.0	!	!END!
1010	!	X =	728.305,	5185.850,	0.0,	0.0	!	!END!
1011	!	X =	727.305,	5185.900,	0.0,	0.0	!	!END!
1012	!	X =	727.355,	5185.900,	0.0,	0.0	!	!END!
1013	!	X =	727.405,	5185.900,	0.0,	0.0	!	!END!
1014	!	X =	727.455,	5185.900,	0.0,	0.0	!	!END!
1015	!	X =	727.505,	5185.900,	0.0,	0.0	!	!END!
1016	!	X =	727.555,	5185.900,	0.0,	0.0	!	!END!
1017	!	X =	727.605,	5185.900,	0.0,	0.0	!	!END!
1018	!	X =	727.655,	5185.900,	0.0,	0.0	!	!END!
1019	!	X =	727.705,	5185.900,	0.0,	0.0	!	!END!
1020	!	X =	727.755,	5185.900,	0.0,	0.0	!	!END!
1021	!	X =	727.805,	5185.900,	0.0,	0.0	!	!END!
1022	!	X =	727.855,	5185.900,	0.0,	0.0	!	!END!
1023	!	X =	727.905,	5185.900,	0.0,	0.0	!	!END!
1024	!	X =	727.955,	5185.900,	0.0,	0.0	!	!END!
1025	!	X =	728.005,	5185.900,	0.0,	0.0	!	!END!
1026	!	X =	728.055,	5185.900,	0.0,	0.0	!	!END!
1027	!	X =	728.105,	5185.900,	0.0,	0.0	!	!END!
1028	!	X =	728.155,	5185.900,	0.0,	0.0	!	!END!
1029	!	X =	728.205,	5185.900,	0.0,	0.0	!	!END!
1030	!	X =	728.255,	5185.900,	0.0,	0.0	!	!END!
1031	!	X =	728.305,	5185.900,	0.0,	0.0	!	!END!
1032	!	X =	727.305,	5185.950,	0.0,	0.0	!	!END!

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1033	!	X =	727.355,	5185.950,	0.0,	0.0	!	!END!
1034	!	X =	727.405,	5185.950,	0.0,	0.0	!	!END!
1035	!	X =	727.455,	5185.950,	0.0,	0.0	!	!END!
1036	!	X =	727.505,	5185.950,	0.0,	0.0	!	!END!
1037	!	X =	727.555,	5185.950,	0.0,	0.0	!	!END!
1038	!	X =	727.605,	5185.950,	0.0,	0.0	!	!END!
1039	!	X =	727.655,	5185.950,	0.0,	0.0	!	!END!
1040	!	X =	727.705,	5185.950,	0.0,	0.0	!	!END!
1041	!	X =	727.755,	5185.950,	0.0,	0.0	!	!END!
1042	!	X =	727.805,	5185.950,	0.0,	0.0	!	!END!
1043	!	X =	727.855,	5185.950,	0.0,	0.0	!	!END!
1044	!	X =	727.905,	5185.950,	0.0,	0.0	!	!END!
1045	!	X =	727.955,	5185.950,	0.0,	0.0	!	!END!
1046	!	X =	728.005,	5185.950,	0.0,	0.0	!	!END!
1047	!	X =	728.055,	5185.950,	0.0,	0.0	!	!END!
1048	!	X =	728.105,	5185.950,	0.0,	0.0	!	!END!
1049	!	X =	728.155,	5185.950,	0.0,	0.0	!	!END!
1050	!	X =	728.205,	5185.950,	0.0,	0.0	!	!END!
1051	!	X =	728.255,	5185.950,	0.0,	0.0	!	!END!
1052	!	X =	728.305,	5185.950,	0.0,	0.0	!	!END!
1053	!	X =	727.305,	5186.000,	0.0,	0.0	!	!END!
1054	!	X =	727.355,	5186.000,	0.0,	0.0	!	!END!
1055	!	X =	727.405,	5186.000,	0.0,	0.0	!	!END!
1056	!	X =	727.455,	5186.000,	0.0,	0.0	!	!END!
1057	!	X =	727.505,	5186.000,	0.0,	0.0	!	!END!
1058	!	X =	727.555,	5186.000,	0.0,	0.0	!	!END!
1059	!	X =	727.605,	5186.000,	0.0,	0.0	!	!END!
1060	!	X =	727.655,	5186.000,	0.0,	0.0	!	!END!
1061	!	X =	727.705,	5186.000,	0.0,	0.0	!	!END!
1062	!	X =	727.755,	5186.000,	0.0,	0.0	!	!END!
1063	!	X =	727.805,	5186.000,	0.0,	0.0	!	!END!
1064	!	X =	727.855,	5186.000,	0.0,	0.0	!	!END!
1065	!	X =	727.905,	5186.000,	0.0,	0.0	!	!END!
1066	!	X =	727.955,	5186.000,	0.0,	0.0	!	!END!
1067	!	X =	728.005,	5186.000,	0.0,	0.0	!	!END!
1068	!	X =	728.055,	5186.000,	0.0,	0.0	!	!END!
1069	!	X =	728.105,	5186.000,	0.0,	0.0	!	!END!
1070	!	X =	728.155,	5186.000,	0.0,	0.0	!	!END!
1071	!	X =	728.205,	5186.000,	0.0,	0.0	!	!END!
1072	!	X =	728.255,	5186.000,	0.0,	0.0	!	!END!
1073	!	X =	728.305,	5186.000,	0.0,	0.0	!	!END!
1074	!	X =	727.305,	5186.050,	0.0,	0.0	!	!END!
1075	!	X =	727.355,	5186.050,	0.0,	0.0	!	!END!
1076	!	X =	727.405,	5186.050,	0.0,	0.0	!	!END!
1077	!	X =	727.455,	5186.050,	0.0,	0.0	!	!END!
1078	!	X =	727.505,	5186.050,	0.0,	0.0	!	!END!
1079	!	X =	727.555,	5186.050,	0.0,	0.0	!	!END!
1080	!	X =	727.605,	5186.050,	0.0,	0.0	!	!END!
1081	!	X =	727.655,	5186.050,	0.0,	0.0	!	!END!
1082	!	X =	727.705,	5186.050,	0.0,	0.0	!	!END!
1083	!	X =	727.755,	5186.050,	0.0,	0.0	!	!END!
1084	!	X =	727.805,	5186.050,	0.0,	0.0	!	!END!
1085	!	X =	727.855,	5186.050,	0.0,	0.0	!	!END!
1086	!	X =	727.905,	5186.050,	0.0,	0.0	!	!END!
1087	!	X =	727.955,	5186.050,	0.0,	0.0	!	!END!
1088	!	X =	728.005,	5186.050,	0.0,	0.0	!	!END!
1089	!	X =	728.055,	5186.050,	0.0,	0.0	!	!END!
1090	!	X =	728.105,	5186.050,	0.0,	0.0	!	!END!
1091	!	X =	728.155,	5186.050,	0.0,	0.0	!	!END!
1092	!	X =	728.205,	5186.050,	0.0,	0.0	!	!END!
1093	!	X =	728.255,	5186.050,	0.0,	0.0	!	!END!
1094	!	X =	728.305,	5186.050,	0.0,	0.0	!	!END!
1095	!	X =	727.305,	5186.100,	0.0,	0.0	!	!END!

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1096	!	X =	727.355,	5186.100,	0.0,	0.0	!	!END!
1097	!	X =	727.405,	5186.100,	0.0,	0.0	!	!END!
1098	!	X =	727.455,	5186.100,	0.0,	0.0	!	!END!
1099	!	X =	727.505,	5186.100,	0.0,	0.0	!	!END!
1100	!	X =	727.555,	5186.100,	0.0,	0.0	!	!END!
1101	!	X =	727.605,	5186.100,	0.0,	0.0	!	!END!
1102	!	X =	727.655,	5186.100,	0.0,	0.0	!	!END!
1103	!	X =	727.705,	5186.100,	0.0,	0.0	!	!END!
1104	!	X =	727.755,	5186.100,	0.0,	0.0	!	!END!
1105	!	X =	727.855,	5186.100,	0.0,	0.0	!	!END!
1106	!	X =	727.905,	5186.100,	0.0,	0.0	!	!END!
1107	!	X =	727.955,	5186.100,	0.0,	0.0	!	!END!
1108	!	X =	728.005,	5186.100,	0.0,	0.0	!	!END!
1109	!	X =	728.055,	5186.100,	0.0,	0.0	!	!END!
1110	!	X =	728.105,	5186.100,	0.0,	0.0	!	!END!
1111	!	X =	728.155,	5186.100,	0.0,	0.0	!	!END!
1112	!	X =	728.205,	5186.100,	0.0,	0.0	!	!END!
1113	!	X =	728.255,	5186.100,	0.0,	0.0	!	!END!
1114	!	X =	728.305,	5186.100,	0.0,	0.0	!	!END!
1115	!	X =	727.305,	5186.150,	0.0,	0.0	!	!END!
1116	!	X =	727.355,	5186.150,	0.0,	0.0	!	!END!
1117	!	X =	727.405,	5186.150,	0.0,	0.0	!	!END!
1118	!	X =	727.455,	5186.150,	0.0,	0.0	!	!END!
1119	!	X =	727.505,	5186.150,	0.0,	0.0	!	!END!
1120	!	X =	727.555,	5186.150,	0.0,	0.0	!	!END!
1121	!	X =	727.605,	5186.150,	0.0,	0.0	!	!END!
1122	!	X =	727.655,	5186.150,	0.0,	0.0	!	!END!
1123	!	X =	727.705,	5186.150,	0.0,	0.0	!	!END!
1124	!	X =	727.755,	5186.150,	0.0,	0.0	!	!END!
1125	!	X =	727.805,	5186.150,	0.0,	0.0	!	!END!
1126	!	X =	727.855,	5186.150,	0.0,	0.0	!	!END!
1127	!	X =	727.905,	5186.150,	0.0,	0.0	!	!END!
1128	!	X =	727.955,	5186.150,	0.0,	0.0	!	!END!
1129	!	X =	728.005,	5186.150,	0.0,	0.0	!	!END!
1130	!	X =	728.055,	5186.150,	0.0,	0.0	!	!END!
1131	!	X =	728.105,	5186.150,	0.0,	0.0	!	!END!
1132	!	X =	728.155,	5186.150,	0.0,	0.0	!	!END!
1133	!	X =	728.205,	5186.150,	0.0,	0.0	!	!END!
1134	!	X =	728.255,	5186.150,	0.0,	0.0	!	!END!
1135	!	X =	728.305,	5186.150,	0.0,	0.0	!	!END!
1136	!	X =	727.305,	5186.200,	0.0,	0.0	!	!END!
1137	!	X =	727.355,	5186.200,	0.0,	0.0	!	!END!
1138	!	X =	727.405,	5186.200,	0.0,	0.0	!	!END!
1139	!	X =	727.455,	5186.200,	0.0,	0.0	!	!END!
1140	!	X =	727.505,	5186.200,	0.0,	0.0	!	!END!
1141	!	X =	727.555,	5186.200,	0.0,	0.0	!	!END!
1142	!	X =	727.605,	5186.200,	0.0,	0.0	!	!END!
1143	!	X =	727.655,	5186.200,	0.0,	0.0	!	!END!
1144	!	X =	727.705,	5186.200,	0.0,	0.0	!	!END!
1145	!	X =	727.755,	5186.200,	0.0,	0.0	!	!END!
1146	!	X =	727.805,	5186.200,	0.0,	0.0	!	!END!
1147	!	X =	727.855,	5186.200,	0.0,	0.0	!	!END!
1148	!	X =	727.905,	5186.200,	0.0,	0.0	!	!END!
1149	!	X =	727.955,	5186.200,	0.0,	0.0	!	!END!
1150	!	X =	728.005,	5186.200,	0.0,	0.0	!	!END!
1151	!	X =	728.055,	5186.200,	0.0,	0.0	!	!END!
1152	!	X =	728.105,	5186.200,	0.0,	0.0	!	!END!
1153	!	X =	728.155,	5186.200,	0.0,	0.0	!	!END!
1154	!	X =	728.205,	5186.200,	0.0,	0.0	!	!END!
1155	!	X =	728.255,	5186.200,	0.0,	0.0	!	!END!
1156	!	X =	728.305,	5186.200,	0.0,	0.0	!	!END!
1157	!	X =	727.305,	5186.250,	0.0,	0.0	!	!END!
1158	!	X =	727.355,	5186.250,	0.0,	0.0	!	!END!

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1159	!	X =	727.405,	5186.250,	0.0,	0.0	!	!END!
1160	!	X =	727.455,	5186.250,	0.0,	0.0	!	!END!
1161	!	X =	727.505,	5186.250,	0.0,	0.0	!	!END!
1162	!	X =	727.555,	5186.250,	0.0,	0.0	!	!END!
1163	!	X =	727.605,	5186.250,	0.0,	0.0	!	!END!
1164	!	X =	727.655,	5186.250,	0.0,	0.0	!	!END!
1165	!	X =	727.705,	5186.250,	0.0,	0.0	!	!END!
1166	!	X =	727.755,	5186.250,	0.0,	0.0	!	!END!
1167	!	X =	727.805,	5186.250,	0.0,	0.0	!	!END!
1168	!	X =	727.855,	5186.250,	0.0,	0.0	!	!END!
1169	!	X =	727.905,	5186.250,	0.0,	0.0	!	!END!
1170	!	X =	727.955,	5186.250,	0.0,	0.0	!	!END!
1171	!	X =	728.005,	5186.250,	0.0,	0.0	!	!END!
1172	!	X =	728.055,	5186.250,	0.0,	0.0	!	!END!
1173	!	X =	728.105,	5186.250,	0.0,	0.0	!	!END!
1174	!	X =	728.155,	5186.250,	0.0,	0.0	!	!END!
1175	!	X =	728.205,	5186.250,	0.0,	0.0	!	!END!
1176	!	X =	728.255,	5186.250,	0.0,	0.0	!	!END!
1177	!	X =	728.305,	5186.250,	0.0,	0.0	!	!END!
1178	!	X =	727.305,	5186.300,	0.0,	0.0	!	!END!
1179	!	X =	727.355,	5186.300,	0.0,	0.0	!	!END!
1180	!	X =	727.405,	5186.300,	0.0,	0.0	!	!END!
1181	!	X =	727.455,	5186.300,	0.0,	0.0	!	!END!
1182	!	X =	727.505,	5186.300,	0.0,	0.0	!	!END!
1183	!	X =	727.555,	5186.300,	0.0,	0.0	!	!END!
1184	!	X =	727.605,	5186.300,	0.0,	0.0	!	!END!
1185	!	X =	727.655,	5186.300,	0.0,	0.0	!	!END!
1186	!	X =	727.705,	5186.300,	0.0,	0.0	!	!END!
1187	!	X =	727.755,	5186.300,	0.0,	0.0	!	!END!
1188	!	X =	727.805,	5186.300,	0.0,	0.0	!	!END!
1189	!	X =	727.855,	5186.300,	0.0,	0.0	!	!END!
1190	!	X =	727.905,	5186.300,	0.0,	0.0	!	!END!
1191	!	X =	727.955,	5186.300,	0.0,	0.0	!	!END!
1192	!	X =	728.005,	5186.300,	0.0,	0.0	!	!END!
1193	!	X =	728.055,	5186.300,	0.0,	0.0	!	!END!
1194	!	X =	728.105,	5186.300,	0.0,	0.0	!	!END!
1195	!	X =	728.155,	5186.300,	0.0,	0.0	!	!END!
1196	!	X =	728.205,	5186.300,	0.0,	0.0	!	!END!
1197	!	X =	728.255,	5186.300,	0.0,	0.0	!	!END!
1198	!	X =	728.305,	5186.300,	0.0,	0.0	!	!END!
1199	!	X =	727.305,	5186.350,	0.0,	0.0	!	!END!
1200	!	X =	727.355,	5186.350,	0.0,	0.0	!	!END!
1201	!	X =	727.405,	5186.350,	0.0,	0.0	!	!END!
1202	!	X =	727.455,	5186.350,	0.0,	0.0	!	!END!
1203	!	X =	727.505,	5186.350,	0.0,	0.0	!	!END!
1204	!	X =	727.555,	5186.350,	0.0,	0.0	!	!END!
1205	!	X =	727.605,	5186.350,	0.0,	0.0	!	!END!
1206	!	X =	727.655,	5186.350,	0.0,	0.0	!	!END!
1207	!	X =	727.705,	5186.350,	0.0,	0.0	!	!END!
1208	!	X =	727.755,	5186.350,	0.0,	0.0	!	!END!
1209	!	X =	727.805,	5186.350,	0.0,	0.0	!	!END!
1210	!	X =	727.855,	5186.350,	0.0,	0.0	!	!END!
1211	!	X =	727.905,	5186.350,	0.0,	0.0	!	!END!
1212	!	X =	727.955,	5186.350,	0.0,	0.0	!	!END!
1213	!	X =	728.005,	5186.350,	0.0,	0.0	!	!END!
1214	!	X =	693.442,	5158.075,	0.0,	0.0	!	!END!
1215	!	X =	693.492,	5158.075,	0.0,	0.0	!	!END!
1216	!	X =	692.967,	5149.661,	0.0,	0.0	!	!END!
1217	!	X =	693.017,	5149.661,	0.0,	0.0	!	!END!
1218	!	X =	693.067,	5149.661,	0.0,	0.0	!	!END!
1219	!	X =	693.117,	5149.661,	0.0,	0.0	!	!END!
1220	!	X =	693.167,	5149.661,	0.0,	0.0	!	!END!
1221	!	X =	693.217,	5149.661,	0.0,	0.0	!	!END!

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1222	!	X =	693.267,	5149.661,	0.0,	0.0	!	!END!
1223	!	X =	693.317,	5149.661,	0.0,	0.0	!	!END!
1224	!	X =	693.367,	5149.661,	0.0,	0.0	!	!END!
1225	!	X =	693.417,	5149.661,	0.0,	0.0	!	!END!
1226	!	X =	693.467,	5149.661,	0.0,	0.0	!	!END!
1227	!	X =	693.517,	5149.661,	0.0,	0.0	!	!END!
1228	!	X =	693.567,	5149.661,	0.0,	0.0	!	!END!
1229	!	X =	693.617,	5149.661,	0.0,	0.0	!	!END!
1230	!	X =	693.667,	5149.661,	0.0,	0.0	!	!END!
1231	!	X =	693.717,	5149.661,	0.0,	0.0	!	!END!
1232	!	X =	693.767,	5149.661,	0.0,	0.0	!	!END!
1233	!	X =	693.817,	5149.661,	0.0,	0.0	!	!END!
1234	!	X =	693.867,	5149.661,	0.0,	0.0	!	!END!
1235	!	X =	693.917,	5149.661,	0.0,	0.0	!	!END!
1236	!	X =	693.967,	5149.661,	0.0,	0.0	!	!END!
1237	!	X =	692.967,	5149.711,	0.0,	0.0	!	!END!
1238	!	X =	693.017,	5149.711,	0.0,	0.0	!	!END!
1239	!	X =	693.067,	5149.711,	0.0,	0.0	!	!END!
1240	!	X =	693.117,	5149.711,	0.0,	0.0	!	!END!
1241	!	X =	693.167,	5149.711,	0.0,	0.0	!	!END!
1242	!	X =	693.217,	5149.711,	0.0,	0.0	!	!END!
1243	!	X =	693.267,	5149.711,	0.0,	0.0	!	!END!
1244	!	X =	693.317,	5149.711,	0.0,	0.0	!	!END!
1245	!	X =	693.367,	5149.711,	0.0,	0.0	!	!END!
1246	!	X =	693.417,	5149.711,	0.0,	0.0	!	!END!
1247	!	X =	693.467,	5149.711,	0.0,	0.0	!	!END!
1248	!	X =	693.517,	5149.711,	0.0,	0.0	!	!END!
1249	!	X =	693.567,	5149.711,	0.0,	0.0	!	!END!
1250	!	X =	693.617,	5149.711,	0.0,	0.0	!	!END!
1251	!	X =	693.667,	5149.711,	0.0,	0.0	!	!END!
1252	!	X =	693.717,	5149.711,	0.0,	0.0	!	!END!
1253	!	X =	693.767,	5149.711,	0.0,	0.0	!	!END!
1254	!	X =	693.817,	5149.711,	0.0,	0.0	!	!END!
1255	!	X =	693.867,	5149.711,	0.0,	0.0	!	!END!
1256	!	X =	693.917,	5149.711,	0.0,	0.0	!	!END!
1257	!	X =	693.967,	5149.711,	0.0,	0.0	!	!END!
1258	!	X =	692.967,	5149.761,	0.0,	0.0	!	!END!
1259	!	X =	693.017,	5149.761,	0.0,	0.0	!	!END!
1260	!	X =	693.067,	5149.761,	0.0,	0.0	!	!END!
1261	!	X =	693.117,	5149.761,	0.0,	0.0	!	!END!
1262	!	X =	693.167,	5149.761,	0.0,	0.0	!	!END!
1263	!	X =	693.217,	5149.761,	0.0,	0.0	!	!END!
1264	!	X =	693.267,	5149.761,	0.0,	0.0	!	!END!
1265	!	X =	693.317,	5149.761,	0.0,	0.0	!	!END!
1266	!	X =	693.367,	5149.761,	0.0,	0.0	!	!END!
1267	!	X =	693.417,	5149.761,	0.0,	0.0	!	!END!
1268	!	X =	693.467,	5149.761,	0.0,	0.0	!	!END!
1269	!	X =	693.517,	5149.761,	0.0,	0.0	!	!END!
1270	!	X =	693.567,	5149.761,	0.0,	0.0	!	!END!
1271	!	X =	693.617,	5149.761,	0.0,	0.0	!	!END!
1272	!	X =	693.667,	5149.761,	0.0,	0.0	!	!END!
1273	!	X =	693.717,	5149.761,	0.0,	0.0	!	!END!
1274	!	X =	693.767,	5149.761,	0.0,	0.0	!	!END!
1275	!	X =	693.817,	5149.761,	0.0,	0.0	!	!END!
1276	!	X =	693.867,	5149.761,	0.0,	0.0	!	!END!
1277	!	X =	693.917,	5149.761,	0.0,	0.0	!	!END!
1278	!	X =	693.967,	5149.761,	0.0,	0.0	!	!END!
1279	!	X =	692.967,	5149.811,	0.0,	0.0	!	!END!
1280	!	X =	693.017,	5149.811,	0.0,	0.0	!	!END!
1281	!	X =	693.067,	5149.811,	0.0,	0.0	!	!END!
1282	!	X =	693.117,	5149.811,	0.0,	0.0	!	!END!
1283	!	X =	693.167,	5149.811,	0.0,	0.0	!	!END!
1284	!	X =	693.217,	5149.811,	0.0,	0.0	!	!END!

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1285	!	X =	693.267,	5149.811,	0.0,	0.0	!	!END!
1286	!	X =	693.317,	5149.811,	0.0,	0.0	!	!END!
1287	!	X =	693.367,	5149.811,	0.0,	0.0	!	!END!
1288	!	X =	693.417,	5149.811,	0.0,	0.0	!	!END!
1289	!	X =	693.467,	5149.811,	0.0,	0.0	!	!END!
1290	!	X =	693.517,	5149.811,	0.0,	0.0	!	!END!
1291	!	X =	693.567,	5149.811,	0.0,	0.0	!	!END!
1292	!	X =	693.617,	5149.811,	0.0,	0.0	!	!END!
1293	!	X =	693.667,	5149.811,	0.0,	0.0	!	!END!
1294	!	X =	693.717,	5149.811,	0.0,	0.0	!	!END!
1295	!	X =	693.767,	5149.811,	0.0,	0.0	!	!END!
1296	!	X =	693.817,	5149.811,	0.0,	0.0	!	!END!
1297	!	X =	693.867,	5149.811,	0.0,	0.0	!	!END!
1298	!	X =	693.917,	5149.811,	0.0,	0.0	!	!END!
1299	!	X =	693.967,	5149.811,	0.0,	0.0	!	!END!
1300	!	X =	692.967,	5149.861,	0.0,	0.0	!	!END!
1301	!	X =	693.017,	5149.861,	0.0,	0.0	!	!END!
1302	!	X =	693.067,	5149.861,	0.0,	0.0	!	!END!
1303	!	X =	693.117,	5149.861,	0.0,	0.0	!	!END!
1304	!	X =	693.167,	5149.861,	0.0,	0.0	!	!END!
1305	!	X =	693.217,	5149.861,	0.0,	0.0	!	!END!
1306	!	X =	693.267,	5149.861,	0.0,	0.0	!	!END!
1307	!	X =	693.317,	5149.861,	0.0,	0.0	!	!END!
1308	!	X =	693.367,	5149.861,	0.0,	0.0	!	!END!
1309	!	X =	693.417,	5149.861,	0.0,	0.0	!	!END!
1310	!	X =	693.467,	5149.861,	0.0,	0.0	!	!END!
1311	!	X =	693.517,	5149.861,	0.0,	0.0	!	!END!
1312	!	X =	693.567,	5149.861,	0.0,	0.0	!	!END!
1313	!	X =	693.617,	5149.861,	0.0,	0.0	!	!END!
1314	!	X =	693.667,	5149.861,	0.0,	0.0	!	!END!
1315	!	X =	693.717,	5149.861,	0.0,	0.0	!	!END!
1316	!	X =	693.767,	5149.861,	0.0,	0.0	!	!END!
1317	!	X =	693.817,	5149.861,	0.0,	0.0	!	!END!
1318	!	X =	693.867,	5149.861,	0.0,	0.0	!	!END!
1319	!	X =	693.917,	5149.861,	0.0,	0.0	!	!END!
1320	!	X =	693.967,	5149.861,	0.0,	0.0	!	!END!
1321	!	X =	692.967,	5149.911,	0.0,	0.0	!	!END!
1322	!	X =	693.017,	5149.911,	0.0,	0.0	!	!END!
1323	!	X =	693.067,	5149.911,	0.0,	0.0	!	!END!
1324	!	X =	693.117,	5149.911,	0.0,	0.0	!	!END!
1325	!	X =	693.167,	5149.911,	0.0,	0.0	!	!END!
1326	!	X =	693.217,	5149.911,	0.0,	0.0	!	!END!
1327	!	X =	693.267,	5149.911,	0.0,	0.0	!	!END!
1328	!	X =	693.317,	5149.911,	0.0,	0.0	!	!END!
1329	!	X =	693.367,	5149.911,	0.0,	0.0	!	!END!
1330	!	X =	693.417,	5149.911,	0.0,	0.0	!	!END!
1331	!	X =	693.467,	5149.911,	0.0,	0.0	!	!END!
1332	!	X =	693.517,	5149.911,	0.0,	0.0	!	!END!
1333	!	X =	693.567,	5149.911,	0.0,	0.0	!	!END!
1334	!	X =	693.617,	5149.911,	0.0,	0.0	!	!END!
1335	!	X =	693.667,	5149.911,	0.0,	0.0	!	!END!
1336	!	X =	693.717,	5149.911,	0.0,	0.0	!	!END!
1337	!	X =	693.767,	5149.911,	0.0,	0.0	!	!END!
1338	!	X =	693.817,	5149.911,	0.0,	0.0	!	!END!
1339	!	X =	693.867,	5149.911,	0.0,	0.0	!	!END!
1340	!	X =	693.917,	5149.911,	0.0,	0.0	!	!END!
1341	!	X =	693.967,	5149.911,	0.0,	0.0	!	!END!
1342	!	X =	692.967,	5149.961,	0.0,	0.0	!	!END!
1343	!	X =	693.017,	5149.961,	0.0,	0.0	!	!END!
1344	!	X =	693.067,	5149.961,	0.0,	0.0	!	!END!
1345	!	X =	693.117,	5149.961,	0.0,	0.0	!	!END!
1346	!	X =	693.167,	5149.961,	0.0,	0.0	!	!END!
1347	!	X =	693.217,	5149.961,	0.0,	0.0	!	!END!

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1348	!	X =	693.267,	5149.961,	0.0,	0.0	!	!END!
1349	!	X =	693.317,	5149.961,	0.0,	0.0	!	!END!
1350	!	X =	693.367,	5149.961,	0.0,	0.0	!	!END!
1351	!	X =	693.417,	5149.961,	0.0,	0.0	!	!END!
1352	!	X =	693.467,	5149.961,	0.0,	0.0	!	!END!
1353	!	X =	693.517,	5149.961,	0.0,	0.0	!	!END!
1354	!	X =	693.567,	5149.961,	0.0,	0.0	!	!END!
1355	!	X =	693.617,	5149.961,	0.0,	0.0	!	!END!
1356	!	X =	693.667,	5149.961,	0.0,	0.0	!	!END!
1357	!	X =	693.717,	5149.961,	0.0,	0.0	!	!END!
1358	!	X =	693.767,	5149.961,	0.0,	0.0	!	!END!
1359	!	X =	693.817,	5149.961,	0.0,	0.0	!	!END!
1360	!	X =	693.867,	5149.961,	0.0,	0.0	!	!END!
1361	!	X =	693.917,	5149.961,	0.0,	0.0	!	!END!
1362	!	X =	693.967,	5149.961,	0.0,	0.0	!	!END!
1363	!	X =	692.967,	5150.011,	0.0,	0.0	!	!END!
1364	!	X =	693.017,	5150.011,	0.0,	0.0	!	!END!
1365	!	X =	693.067,	5150.011,	0.0,	0.0	!	!END!
1366	!	X =	693.117,	5150.011,	0.0,	0.0	!	!END!
1367	!	X =	693.167,	5150.011,	0.0,	0.0	!	!END!
1368	!	X =	693.217,	5150.011,	0.0,	0.0	!	!END!
1369	!	X =	693.267,	5150.011,	0.0,	0.0	!	!END!
1370	!	X =	693.317,	5150.011,	0.0,	0.0	!	!END!
1371	!	X =	693.367,	5150.011,	0.0,	0.0	!	!END!
1372	!	X =	693.417,	5150.011,	0.0,	0.0	!	!END!
1373	!	X =	693.467,	5150.011,	0.0,	0.0	!	!END!
1374	!	X =	693.517,	5150.011,	0.0,	0.0	!	!END!
1375	!	X =	693.567,	5150.011,	0.0,	0.0	!	!END!
1376	!	X =	693.617,	5150.011,	0.0,	0.0	!	!END!
1377	!	X =	693.667,	5150.011,	0.0,	0.0	!	!END!
1378	!	X =	693.717,	5150.011,	0.0,	0.0	!	!END!
1379	!	X =	693.767,	5150.011,	0.0,	0.0	!	!END!
1380	!	X =	693.817,	5150.011,	0.0,	0.0	!	!END!
1381	!	X =	693.867,	5150.011,	0.0,	0.0	!	!END!
1382	!	X =	693.917,	5150.011,	0.0,	0.0	!	!END!
1383	!	X =	693.967,	5150.011,	0.0,	0.0	!	!END!
1384	!	X =	692.967,	5150.061,	0.0,	0.0	!	!END!
1385	!	X =	693.017,	5150.061,	0.0,	0.0	!	!END!
1386	!	X =	693.067,	5150.061,	0.0,	0.0	!	!END!
1387	!	X =	693.117,	5150.061,	0.0,	0.0	!	!END!
1388	!	X =	693.167,	5150.061,	0.0,	0.0	!	!END!
1389	!	X =	693.217,	5150.061,	0.0,	0.0	!	!END!
1390	!	X =	693.267,	5150.061,	0.0,	0.0	!	!END!
1391	!	X =	693.317,	5150.061,	0.0,	0.0	!	!END!
1392	!	X =	693.367,	5150.061,	0.0,	0.0	!	!END!
1393	!	X =	693.417,	5150.061,	0.0,	0.0	!	!END!
1394	!	X =	693.467,	5150.061,	0.0,	0.0	!	!END!
1395	!	X =	693.517,	5150.061,	0.0,	0.0	!	!END!
1396	!	X =	693.567,	5150.061,	0.0,	0.0	!	!END!
1397	!	X =	693.617,	5150.061,	0.0,	0.0	!	!END!
1398	!	X =	693.667,	5150.061,	0.0,	0.0	!	!END!
1399	!	X =	693.717,	5150.061,	0.0,	0.0	!	!END!
1400	!	X =	693.767,	5150.061,	0.0,	0.0	!	!END!
1401	!	X =	693.817,	5150.061,	0.0,	0.0	!	!END!
1402	!	X =	693.867,	5150.061,	0.0,	0.0	!	!END!
1403	!	X =	693.917,	5150.061,	0.0,	0.0	!	!END!
1404	!	X =	693.967,	5150.061,	0.0,	0.0	!	!END!
1405	!	X =	692.967,	5150.111,	0.0,	0.0	!	!END!
1406	!	X =	693.017,	5150.111,	0.0,	0.0	!	!END!
1407	!	X =	693.067,	5150.111,	0.0,	0.0	!	!END!
1408	!	X =	693.117,	5150.111,	0.0,	0.0	!	!END!
1409	!	X =	693.167,	5150.111,	0.0,	0.0	!	!END!
1410	!	X =	693.217,	5150.111,	0.0,	0.0	!	!END!

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1411	!	X =	693.267,	5150.111,	0.0,	0.0	!	!END!
1412	!	X =	693.317,	5150.111,	0.0,	0.0	!	!END!
1413	!	X =	693.367,	5150.111,	0.0,	0.0	!	!END!
1414	!	X =	693.417,	5150.111,	0.0,	0.0	!	!END!
1415	!	X =	693.467,	5150.111,	0.0,	0.0	!	!END!
1416	!	X =	693.517,	5150.111,	0.0,	0.0	!	!END!
1417	!	X =	693.567,	5150.111,	0.0,	0.0	!	!END!
1418	!	X =	693.617,	5150.111,	0.0,	0.0	!	!END!
1419	!	X =	693.667,	5150.111,	0.0,	0.0	!	!END!
1420	!	X =	693.717,	5150.111,	0.0,	0.0	!	!END!
1421	!	X =	693.767,	5150.111,	0.0,	0.0	!	!END!
1422	!	X =	693.817,	5150.111,	0.0,	0.0	!	!END!
1423	!	X =	693.867,	5150.111,	0.0,	0.0	!	!END!
1424	!	X =	693.917,	5150.111,	0.0,	0.0	!	!END!
1425	!	X =	693.967,	5150.111,	0.0,	0.0	!	!END!
1426	!	X =	692.967,	5150.161,	0.0,	0.0	!	!END!
1427	!	X =	693.017,	5150.161,	0.0,	0.0	!	!END!
1428	!	X =	693.067,	5150.161,	0.0,	0.0	!	!END!
1429	!	X =	693.117,	5150.161,	0.0,	0.0	!	!END!
1430	!	X =	693.167,	5150.161,	0.0,	0.0	!	!END!
1431	!	X =	693.217,	5150.161,	0.0,	0.0	!	!END!
1432	!	X =	693.267,	5150.161,	0.0,	0.0	!	!END!
1433	!	X =	693.317,	5150.161,	0.0,	0.0	!	!END!
1434	!	X =	693.367,	5150.161,	0.0,	0.0	!	!END!
1435	!	X =	693.417,	5150.161,	0.0,	0.0	!	!END!
1436	!	X =	693.517,	5150.161,	0.0,	0.0	!	!END!
1437	!	X =	693.567,	5150.161,	0.0,	0.0	!	!END!
1438	!	X =	693.617,	5150.161,	0.0,	0.0	!	!END!
1439	!	X =	693.667,	5150.161,	0.0,	0.0	!	!END!
1440	!	X =	693.717,	5150.161,	0.0,	0.0	!	!END!
1441	!	X =	693.767,	5150.161,	0.0,	0.0	!	!END!
1442	!	X =	693.817,	5150.161,	0.0,	0.0	!	!END!
1443	!	X =	693.867,	5150.161,	0.0,	0.0	!	!END!
1444	!	X =	693.917,	5150.161,	0.0,	0.0	!	!END!
1445	!	X =	693.967,	5150.161,	0.0,	0.0	!	!END!
1446	!	X =	692.967,	5150.211,	0.0,	0.0	!	!END!
1447	!	X =	693.017,	5150.211,	0.0,	0.0	!	!END!
1448	!	X =	693.067,	5150.211,	0.0,	0.0	!	!END!
1449	!	X =	693.117,	5150.211,	0.0,	0.0	!	!END!
1450	!	X =	693.167,	5150.211,	0.0,	0.0	!	!END!
1451	!	X =	693.217,	5150.211,	0.0,	0.0	!	!END!
1452	!	X =	693.267,	5150.211,	0.0,	0.0	!	!END!
1453	!	X =	693.317,	5150.211,	0.0,	0.0	!	!END!
1454	!	X =	693.367,	5150.211,	0.0,	0.0	!	!END!
1455	!	X =	693.417,	5150.211,	0.0,	0.0	!	!END!
1456	!	X =	693.467,	5150.211,	0.0,	0.0	!	!END!
1457	!	X =	693.517,	5150.211,	0.0,	0.0	!	!END!
1458	!	X =	693.567,	5150.211,	0.0,	0.0	!	!END!
1459	!	X =	693.617,	5150.211,	0.0,	0.0	!	!END!
1460	!	X =	693.667,	5150.211,	0.0,	0.0	!	!END!
1461	!	X =	693.717,	5150.211,	0.0,	0.0	!	!END!
1462	!	X =	693.767,	5150.211,	0.0,	0.0	!	!END!
1463	!	X =	693.817,	5150.211,	0.0,	0.0	!	!END!
1464	!	X =	693.867,	5150.211,	0.0,	0.0	!	!END!
1465	!	X =	693.917,	5150.211,	0.0,	0.0	!	!END!
1466	!	X =	693.967,	5150.211,	0.0,	0.0	!	!END!
1467	!	X =	692.967,	5150.261,	0.0,	0.0	!	!END!
1468	!	X =	693.017,	5150.261,	0.0,	0.0	!	!END!
1469	!	X =	693.067,	5150.261,	0.0,	0.0	!	!END!
1470	!	X =	693.117,	5150.261,	0.0,	0.0	!	!END!
1471	!	X =	693.167,	5150.261,	0.0,	0.0	!	!END!
1472	!	X =	693.217,	5150.261,	0.0,	0.0	!	!END!
1473	!	X =	693.267,	5150.261,	0.0,	0.0	!	!END!

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1474	!	X =	693.317,	5150.261,	0.0,	0.0	!	!END!
1475	!	X =	693.367,	5150.261,	0.0,	0.0	!	!END!
1476	!	X =	693.417,	5150.261,	0.0,	0.0	!	!END!
1477	!	X =	693.467,	5150.261,	0.0,	0.0	!	!END!
1478	!	X =	693.517,	5150.261,	0.0,	0.0	!	!END!
1479	!	X =	693.567,	5150.261,	0.0,	0.0	!	!END!
1480	!	X =	693.617,	5150.261,	0.0,	0.0	!	!END!
1481	!	X =	693.667,	5150.261,	0.0,	0.0	!	!END!
1482	!	X =	693.717,	5150.261,	0.0,	0.0	!	!END!
1483	!	X =	693.767,	5150.261,	0.0,	0.0	!	!END!
1484	!	X =	693.817,	5150.261,	0.0,	0.0	!	!END!
1485	!	X =	693.867,	5150.261,	0.0,	0.0	!	!END!
1486	!	X =	693.917,	5150.261,	0.0,	0.0	!	!END!
1487	!	X =	693.967,	5150.261,	0.0,	0.0	!	!END!
1488	!	X =	692.967,	5150.311,	0.0,	0.0	!	!END!
1489	!	X =	693.017,	5150.311,	0.0,	0.0	!	!END!
1490	!	X =	693.067,	5150.311,	0.0,	0.0	!	!END!
1491	!	X =	693.117,	5150.311,	0.0,	0.0	!	!END!
1492	!	X =	693.167,	5150.311,	0.0,	0.0	!	!END!
1493	!	X =	693.217,	5150.311,	0.0,	0.0	!	!END!
1494	!	X =	693.267,	5150.311,	0.0,	0.0	!	!END!
1495	!	X =	693.317,	5150.311,	0.0,	0.0	!	!END!
1496	!	X =	693.367,	5150.311,	0.0,	0.0	!	!END!
1497	!	X =	693.417,	5150.311,	0.0,	0.0	!	!END!
1498	!	X =	693.467,	5150.311,	0.0,	0.0	!	!END!
1499	!	X =	693.517,	5150.311,	0.0,	0.0	!	!END!
1500	!	X =	693.567,	5150.311,	0.0,	0.0	!	!END!
1501	!	X =	693.617,	5150.311,	0.0,	0.0	!	!END!
1502	!	X =	693.667,	5150.311,	0.0,	0.0	!	!END!
1503	!	X =	693.717,	5150.311,	0.0,	0.0	!	!END!
1504	!	X =	693.767,	5150.311,	0.0,	0.0	!	!END!
1505	!	X =	693.817,	5150.311,	0.0,	0.0	!	!END!
1506	!	X =	693.867,	5150.311,	0.0,	0.0	!	!END!
1507	!	X =	693.917,	5150.311,	0.0,	0.0	!	!END!
1508	!	X =	693.967,	5150.311,	0.0,	0.0	!	!END!
1509	!	X =	692.967,	5150.361,	0.0,	0.0	!	!END!
1510	!	X =	693.017,	5150.361,	0.0,	0.0	!	!END!
1511	!	X =	693.067,	5150.361,	0.0,	0.0	!	!END!
1512	!	X =	693.117,	5150.361,	0.0,	0.0	!	!END!
1513	!	X =	693.167,	5150.361,	0.0,	0.0	!	!END!
1514	!	X =	693.217,	5150.361,	0.0,	0.0	!	!END!
1515	!	X =	693.267,	5150.361,	0.0,	0.0	!	!END!
1516	!	X =	693.317,	5150.361,	0.0,	0.0	!	!END!
1517	!	X =	693.367,	5150.361,	0.0,	0.0	!	!END!
1518	!	X =	693.417,	5150.361,	0.0,	0.0	!	!END!
1519	!	X =	693.467,	5150.361,	0.0,	0.0	!	!END!
1520	!	X =	693.517,	5150.361,	0.0,	0.0	!	!END!
1521	!	X =	693.567,	5150.361,	0.0,	0.0	!	!END!
1522	!	X =	693.617,	5150.361,	0.0,	0.0	!	!END!
1523	!	X =	693.667,	5150.361,	0.0,	0.0	!	!END!
1524	!	X =	693.717,	5150.361,	0.0,	0.0	!	!END!
1525	!	X =	693.767,	5150.361,	0.0,	0.0	!	!END!
1526	!	X =	693.817,	5150.361,	0.0,	0.0	!	!END!
1527	!	X =	693.867,	5150.361,	0.0,	0.0	!	!END!
1528	!	X =	693.917,	5150.361,	0.0,	0.0	!	!END!
1529	!	X =	693.967,	5150.361,	0.0,	0.0	!	!END!
1530	!	X =	692.967,	5150.411,	0.0,	0.0	!	!END!
1531	!	X =	693.017,	5150.411,	0.0,	0.0	!	!END!
1532	!	X =	693.067,	5150.411,	0.0,	0.0	!	!END!
1533	!	X =	693.117,	5150.411,	0.0,	0.0	!	!END!
1534	!	X =	693.167,	5150.411,	0.0,	0.0	!	!END!
1535	!	X =	693.217,	5150.411,	0.0,	0.0	!	!END!
1536	!	X =	693.267,	5150.411,	0.0,	0.0	!	!END!

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1537	!	X =	693.317,	5150.411,	0.0,	0.0	!	!END!
1538	!	X =	693.367,	5150.411,	0.0,	0.0	!	!END!
1539	!	X =	693.417,	5150.411,	0.0,	0.0	!	!END!
1540	!	X =	693.467,	5150.411,	0.0,	0.0	!	!END!
1541	!	X =	693.517,	5150.411,	0.0,	0.0	!	!END!
1542	!	X =	693.567,	5150.411,	0.0,	0.0	!	!END!
1543	!	X =	693.617,	5150.411,	0.0,	0.0	!	!END!
1544	!	X =	693.667,	5150.411,	0.0,	0.0	!	!END!
1545	!	X =	693.717,	5150.411,	0.0,	0.0	!	!END!
1546	!	X =	693.767,	5150.411,	0.0,	0.0	!	!END!
1547	!	X =	693.817,	5150.411,	0.0,	0.0	!	!END!
1548	!	X =	693.867,	5150.411,	0.0,	0.0	!	!END!
1549	!	X =	693.917,	5150.411,	0.0,	0.0	!	!END!
1550	!	X =	693.967,	5150.411,	0.0,	0.0	!	!END!
1551	!	X =	692.967,	5150.461,	0.0,	0.0	!	!END!
1552	!	X =	693.017,	5150.461,	0.0,	0.0	!	!END!
1553	!	X =	693.067,	5150.461,	0.0,	0.0	!	!END!
1554	!	X =	693.117,	5150.461,	0.0,	0.0	!	!END!
1555	!	X =	693.167,	5150.461,	0.0,	0.0	!	!END!
1556	!	X =	693.217,	5150.461,	0.0,	0.0	!	!END!
1557	!	X =	693.267,	5150.461,	0.0,	0.0	!	!END!
1558	!	X =	693.317,	5150.461,	0.0,	0.0	!	!END!
1559	!	X =	693.367,	5150.461,	0.0,	0.0	!	!END!
1560	!	X =	693.417,	5150.461,	0.0,	0.0	!	!END!
1561	!	X =	693.467,	5150.461,	0.0,	0.0	!	!END!
1562	!	X =	693.517,	5150.461,	0.0,	0.0	!	!END!
1563	!	X =	693.567,	5150.461,	0.0,	0.0	!	!END!
1564	!	X =	693.617,	5150.461,	0.0,	0.0	!	!END!
1565	!	X =	693.667,	5150.461,	0.0,	0.0	!	!END!
1566	!	X =	693.717,	5150.461,	0.0,	0.0	!	!END!
1567	!	X =	693.767,	5150.461,	0.0,	0.0	!	!END!
1568	!	X =	693.817,	5150.461,	0.0,	0.0	!	!END!
1569	!	X =	693.867,	5150.461,	0.0,	0.0	!	!END!
1570	!	X =	693.917,	5150.461,	0.0,	0.0	!	!END!
1571	!	X =	693.967,	5150.461,	0.0,	0.0	!	!END!
1572	!	X =	692.967,	5150.511,	0.0,	0.0	!	!END!
1573	!	X =	693.017,	5150.511,	0.0,	0.0	!	!END!
1574	!	X =	693.067,	5150.511,	0.0,	0.0	!	!END!
1575	!	X =	693.117,	5150.511,	0.0,	0.0	!	!END!
1576	!	X =	693.167,	5150.511,	0.0,	0.0	!	!END!
1577	!	X =	693.217,	5150.511,	0.0,	0.0	!	!END!
1578	!	X =	693.267,	5150.511,	0.0,	0.0	!	!END!
1579	!	X =	693.317,	5150.511,	0.0,	0.0	!	!END!
1580	!	X =	693.367,	5150.511,	0.0,	0.0	!	!END!
1581	!	X =	693.417,	5150.511,	0.0,	0.0	!	!END!
1582	!	X =	693.467,	5150.511,	0.0,	0.0	!	!END!
1583	!	X =	693.517,	5150.511,	0.0,	0.0	!	!END!
1584	!	X =	693.567,	5150.511,	0.0,	0.0	!	!END!
1585	!	X =	693.617,	5150.511,	0.0,	0.0	!	!END!
1586	!	X =	693.667,	5150.511,	0.0,	0.0	!	!END!
1587	!	X =	693.717,	5150.511,	0.0,	0.0	!	!END!
1588	!	X =	693.767,	5150.511,	0.0,	0.0	!	!END!
1589	!	X =	693.817,	5150.511,	0.0,	0.0	!	!END!
1590	!	X =	693.867,	5150.511,	0.0,	0.0	!	!END!
1591	!	X =	693.917,	5150.511,	0.0,	0.0	!	!END!
1592	!	X =	693.967,	5150.511,	0.0,	0.0	!	!END!
1593	!	X =	692.967,	5150.561,	0.0,	0.0	!	!END!
1594	!	X =	693.017,	5150.561,	0.0,	0.0	!	!END!
1595	!	X =	693.067,	5150.561,	0.0,	0.0	!	!END!
1596	!	X =	693.117,	5150.561,	0.0,	0.0	!	!END!
1597	!	X =	693.167,	5150.561,	0.0,	0.0	!	!END!
1598	!	X =	693.217,	5150.561,	0.0,	0.0	!	!END!
1599	!	X =	693.267,	5150.561,	0.0,	0.0	!	!END!

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1600	!	X =	693.317,	5150.561,	0.0,	0.0	!	!END!
1601	!	X =	693.367,	5150.561,	0.0,	0.0	!	!END!
1602	!	X =	693.417,	5150.561,	0.0,	0.0	!	!END!
1603	!	X =	693.467,	5150.561,	0.0,	0.0	!	!END!
1604	!	X =	693.517,	5150.561,	0.0,	0.0	!	!END!
1605	!	X =	693.567,	5150.561,	0.0,	0.0	!	!END!
1606	!	X =	693.617,	5150.561,	0.0,	0.0	!	!END!
1607	!	X =	693.667,	5150.561,	0.0,	0.0	!	!END!
1608	!	X =	693.717,	5150.561,	0.0,	0.0	!	!END!
1609	!	X =	693.767,	5150.561,	0.0,	0.0	!	!END!
1610	!	X =	693.817,	5150.561,	0.0,	0.0	!	!END!
1611	!	X =	693.867,	5150.561,	0.0,	0.0	!	!END!
1612	!	X =	693.917,	5150.561,	0.0,	0.0	!	!END!
1613	!	X =	693.967,	5150.561,	0.0,	0.0	!	!END!
1614	!	X =	692.967,	5150.611,	0.0,	0.0	!	!END!
1615	!	X =	693.017,	5150.611,	0.0,	0.0	!	!END!
1616	!	X =	693.067,	5150.611,	0.0,	0.0	!	!END!
1617	!	X =	693.117,	5150.611,	0.0,	0.0	!	!END!
1618	!	X =	693.167,	5150.611,	0.0,	0.0	!	!END!
1619	!	X =	693.217,	5150.611,	0.0,	0.0	!	!END!
1620	!	X =	693.267,	5150.611,	0.0,	0.0	!	!END!
1621	!	X =	693.317,	5150.611,	0.0,	0.0	!	!END!
1622	!	X =	693.367,	5150.611,	0.0,	0.0	!	!END!
1623	!	X =	693.417,	5150.611,	0.0,	0.0	!	!END!
1624	!	X =	693.467,	5150.611,	0.0,	0.0	!	!END!
1625	!	X =	693.517,	5150.611,	0.0,	0.0	!	!END!
1626	!	X =	693.567,	5150.611,	0.0,	0.0	!	!END!
1627	!	X =	693.617,	5150.611,	0.0,	0.0	!	!END!
1628	!	X =	693.667,	5150.611,	0.0,	0.0	!	!END!
1629	!	X =	693.717,	5150.611,	0.0,	0.0	!	!END!
1630	!	X =	693.767,	5150.611,	0.0,	0.0	!	!END!
1631	!	X =	693.817,	5150.611,	0.0,	0.0	!	!END!
1632	!	X =	693.867,	5150.611,	0.0,	0.0	!	!END!
1633	!	X =	693.917,	5150.611,	0.0,	0.0	!	!END!
1634	!	X =	693.967,	5150.611,	0.0,	0.0	!	!END!
1635	!	X =	692.967,	5150.661,	0.0,	0.0	!	!END!
1636	!	X =	693.017,	5150.661,	0.0,	0.0	!	!END!
1637	!	X =	693.067,	5150.661,	0.0,	0.0	!	!END!
1638	!	X =	693.117,	5150.661,	0.0,	0.0	!	!END!
1639	!	X =	693.167,	5150.661,	0.0,	0.0	!	!END!
1640	!	X =	693.217,	5150.661,	0.0,	0.0	!	!END!
1641	!	X =	693.267,	5150.661,	0.0,	0.0	!	!END!
1642	!	X =	693.317,	5150.661,	0.0,	0.0	!	!END!
1643	!	X =	693.367,	5150.661,	0.0,	0.0	!	!END!
1644	!	X =	693.417,	5150.661,	0.0,	0.0	!	!END!
1645	!	X =	693.467,	5150.661,	0.0,	0.0	!	!END!
1646	!	X =	693.517,	5150.661,	0.0,	0.0	!	!END!
1647	!	X =	693.567,	5150.661,	0.0,	0.0	!	!END!
1648	!	X =	693.617,	5150.661,	0.0,	0.0	!	!END!
1649	!	X =	693.667,	5150.661,	0.0,	0.0	!	!END!
1650	!	X =	693.717,	5150.661,	0.0,	0.0	!	!END!
1651	!	X =	693.767,	5150.661,	0.0,	0.0	!	!END!
1652	!	X =	693.817,	5150.661,	0.0,	0.0	!	!END!
1653	!	X =	693.867,	5150.661,	0.0,	0.0	!	!END!
1654	!	X =	693.917,	5150.661,	0.0,	0.0	!	!END!
1655	!	X =	693.967,	5150.661,	0.0,	0.0	!	!END!
1656	!	X =	692.467,	5149.161,	0.0,	0.0	!	!END!
1657	!	X =	692.567,	5149.161,	0.0,	0.0	!	!END!
1658	!	X =	692.667,	5149.161,	0.0,	0.0	!	!END!
1659	!	X =	692.767,	5149.161,	0.0,	0.0	!	!END!
1660	!	X =	692.867,	5149.161,	0.0,	0.0	!	!END!
1661	!	X =	692.967,	5149.161,	0.0,	0.0	!	!END!
1662	!	X =	693.067,	5149.161,	0.0,	0.0	!	!END!

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1663	!	X =	693.167,	5149.161,	0.0,	0.0	!	!END!
1664	!	X =	693.267,	5149.161,	0.0,	0.0	!	!END!
1665	!	X =	693.367,	5149.161,	0.0,	0.0	!	!END!
1666	!	X =	693.467,	5149.161,	0.0,	0.0	!	!END!
1667	!	X =	693.567,	5149.161,	0.0,	0.0	!	!END!
1668	!	X =	693.667,	5149.161,	0.0,	0.0	!	!END!
1669	!	X =	693.767,	5149.161,	0.0,	0.0	!	!END!
1670	!	X =	693.867,	5149.161,	0.0,	0.0	!	!END!
1671	!	X =	693.967,	5149.161,	0.0,	0.0	!	!END!
1672	!	X =	694.067,	5149.161,	0.0,	0.0	!	!END!
1673	!	X =	694.167,	5149.161,	0.0,	0.0	!	!END!
1674	!	X =	694.267,	5149.161,	0.0,	0.0	!	!END!
1675	!	X =	694.367,	5149.161,	0.0,	0.0	!	!END!
1676	!	X =	694.467,	5149.161,	0.0,	0.0	!	!END!
1677	!	X =	692.467,	5149.261,	0.0,	0.0	!	!END!
1678	!	X =	692.567,	5149.261,	0.0,	0.0	!	!END!
1679	!	X =	692.667,	5149.261,	0.0,	0.0	!	!END!
1680	!	X =	692.767,	5149.261,	0.0,	0.0	!	!END!
1681	!	X =	692.867,	5149.261,	0.0,	0.0	!	!END!
1682	!	X =	692.967,	5149.261,	0.0,	0.0	!	!END!
1683	!	X =	693.067,	5149.261,	0.0,	0.0	!	!END!
1684	!	X =	693.167,	5149.261,	0.0,	0.0	!	!END!
1685	!	X =	693.267,	5149.261,	0.0,	0.0	!	!END!
1686	!	X =	693.367,	5149.261,	0.0,	0.0	!	!END!
1687	!	X =	693.467,	5149.261,	0.0,	0.0	!	!END!
1688	!	X =	693.567,	5149.261,	0.0,	0.0	!	!END!
1689	!	X =	693.667,	5149.261,	0.0,	0.0	!	!END!
1690	!	X =	693.767,	5149.261,	0.0,	0.0	!	!END!
1691	!	X =	693.867,	5149.261,	0.0,	0.0	!	!END!
1692	!	X =	693.967,	5149.261,	0.0,	0.0	!	!END!
1693	!	X =	694.067,	5149.261,	0.0,	0.0	!	!END!
1694	!	X =	694.167,	5149.261,	0.0,	0.0	!	!END!
1695	!	X =	694.267,	5149.261,	0.0,	0.0	!	!END!
1696	!	X =	694.367,	5149.261,	0.0,	0.0	!	!END!
1697	!	X =	694.467,	5149.261,	0.0,	0.0	!	!END!
1698	!	X =	692.467,	5149.361,	0.0,	0.0	!	!END!
1699	!	X =	692.567,	5149.361,	0.0,	0.0	!	!END!
1700	!	X =	692.667,	5149.361,	0.0,	0.0	!	!END!
1701	!	X =	692.767,	5149.361,	0.0,	0.0	!	!END!
1702	!	X =	692.867,	5149.361,	0.0,	0.0	!	!END!
1703	!	X =	692.967,	5149.361,	0.0,	0.0	!	!END!
1704	!	X =	693.067,	5149.361,	0.0,	0.0	!	!END!
1705	!	X =	693.167,	5149.361,	0.0,	0.0	!	!END!
1706	!	X =	693.267,	5149.361,	0.0,	0.0	!	!END!
1707	!	X =	693.367,	5149.361,	0.0,	0.0	!	!END!
1708	!	X =	693.467,	5149.361,	0.0,	0.0	!	!END!
1709	!	X =	693.567,	5149.361,	0.0,	0.0	!	!END!
1710	!	X =	693.667,	5149.361,	0.0,	0.0	!	!END!
1711	!	X =	693.767,	5149.361,	0.0,	0.0	!	!END!
1712	!	X =	693.867,	5149.361,	0.0,	0.0	!	!END!
1713	!	X =	693.967,	5149.361,	0.0,	0.0	!	!END!
1714	!	X =	694.067,	5149.361,	0.0,	0.0	!	!END!
1715	!	X =	694.167,	5149.361,	0.0,	0.0	!	!END!
1716	!	X =	694.267,	5149.361,	0.0,	0.0	!	!END!
1717	!	X =	694.367,	5149.361,	0.0,	0.0	!	!END!
1718	!	X =	694.467,	5149.361,	0.0,	0.0	!	!END!
1719	!	X =	692.467,	5149.461,	0.0,	0.0	!	!END!
1720	!	X =	692.567,	5149.461,	0.0,	0.0	!	!END!
1721	!	X =	692.667,	5149.461,	0.0,	0.0	!	!END!
1722	!	X =	692.767,	5149.461,	0.0,	0.0	!	!END!
1723	!	X =	692.867,	5149.461,	0.0,	0.0	!	!END!
1724	!	X =	692.967,	5149.461,	0.0,	0.0	!	!END!
1725	!	X =	693.067,	5149.461,	0.0,	0.0	!	!END!

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1726	!	X =	693.167,	5149.461,	0.0,	0.0	!	!END!
1727	!	X =	693.267,	5149.461,	0.0,	0.0	!	!END!
1728	!	X =	693.367,	5149.461,	0.0,	0.0	!	!END!
1729	!	X =	693.467,	5149.461,	0.0,	0.0	!	!END!
1730	!	X =	693.567,	5149.461,	0.0,	0.0	!	!END!
1731	!	X =	693.667,	5149.461,	0.0,	0.0	!	!END!
1732	!	X =	693.767,	5149.461,	0.0,	0.0	!	!END!
1733	!	X =	693.867,	5149.461,	0.0,	0.0	!	!END!
1734	!	X =	693.967,	5149.461,	0.0,	0.0	!	!END!
1735	!	X =	694.067,	5149.461,	0.0,	0.0	!	!END!
1736	!	X =	694.167,	5149.461,	0.0,	0.0	!	!END!
1737	!	X =	694.267,	5149.461,	0.0,	0.0	!	!END!
1738	!	X =	694.367,	5149.461,	0.0,	0.0	!	!END!
1739	!	X =	694.467,	5149.461,	0.0,	0.0	!	!END!
1740	!	X =	692.467,	5149.561,	0.0,	0.0	!	!END!
1741	!	X =	692.567,	5149.561,	0.0,	0.0	!	!END!
1742	!	X =	692.667,	5149.561,	0.0,	0.0	!	!END!
1743	!	X =	692.767,	5149.561,	0.0,	0.0	!	!END!
1744	!	X =	692.867,	5149.561,	0.0,	0.0	!	!END!
1745	!	X =	692.967,	5149.561,	0.0,	0.0	!	!END!
1746	!	X =	693.067,	5149.561,	0.0,	0.0	!	!END!
1747	!	X =	693.167,	5149.561,	0.0,	0.0	!	!END!
1748	!	X =	693.267,	5149.561,	0.0,	0.0	!	!END!
1749	!	X =	693.367,	5149.561,	0.0,	0.0	!	!END!
1750	!	X =	693.467,	5149.561,	0.0,	0.0	!	!END!
1751	!	X =	693.567,	5149.561,	0.0,	0.0	!	!END!
1752	!	X =	693.667,	5149.561,	0.0,	0.0	!	!END!
1753	!	X =	693.767,	5149.561,	0.0,	0.0	!	!END!
1754	!	X =	693.867,	5149.561,	0.0,	0.0	!	!END!
1755	!	X =	693.967,	5149.561,	0.0,	0.0	!	!END!
1756	!	X =	694.067,	5149.561,	0.0,	0.0	!	!END!
1757	!	X =	694.167,	5149.561,	0.0,	0.0	!	!END!
1758	!	X =	694.267,	5149.561,	0.0,	0.0	!	!END!
1759	!	X =	694.367,	5149.561,	0.0,	0.0	!	!END!
1760	!	X =	694.467,	5149.561,	0.0,	0.0	!	!END!
1761	!	X =	692.467,	5149.661,	0.0,	0.0	!	!END!
1762	!	X =	692.567,	5149.661,	0.0,	0.0	!	!END!
1763	!	X =	692.667,	5149.661,	0.0,	0.0	!	!END!
1764	!	X =	692.767,	5149.661,	0.0,	0.0	!	!END!
1765	!	X =	692.867,	5149.661,	0.0,	0.0	!	!END!
1766	!	X =	694.067,	5149.661,	0.0,	0.0	!	!END!
1767	!	X =	694.167,	5149.661,	0.0,	0.0	!	!END!
1768	!	X =	694.267,	5149.661,	0.0,	0.0	!	!END!
1769	!	X =	694.367,	5149.661,	0.0,	0.0	!	!END!
1770	!	X =	694.467,	5149.661,	0.0,	0.0	!	!END!
1771	!	X =	692.467,	5149.761,	0.0,	0.0	!	!END!
1772	!	X =	692.567,	5149.761,	0.0,	0.0	!	!END!
1773	!	X =	692.667,	5149.761,	0.0,	0.0	!	!END!
1774	!	X =	692.767,	5149.761,	0.0,	0.0	!	!END!
1775	!	X =	692.867,	5149.761,	0.0,	0.0	!	!END!
1776	!	X =	694.067,	5149.761,	0.0,	0.0	!	!END!
1777	!	X =	694.167,	5149.761,	0.0,	0.0	!	!END!
1778	!	X =	694.267,	5149.761,	0.0,	0.0	!	!END!
1779	!	X =	694.367,	5149.761,	0.0,	0.0	!	!END!
1780	!	X =	694.467,	5149.761,	0.0,	0.0	!	!END!
1781	!	X =	692.467,	5149.861,	0.0,	0.0	!	!END!
1782	!	X =	692.567,	5149.861,	0.0,	0.0	!	!END!
1783	!	X =	692.667,	5149.861,	0.0,	0.0	!	!END!
1784	!	X =	692.767,	5149.861,	0.0,	0.0	!	!END!
1785	!	X =	692.867,	5149.861,	0.0,	0.0	!	!END!
1786	!	X =	694.067,	5149.861,	0.0,	0.0	!	!END!
1787	!	X =	694.167,	5149.861,	0.0,	0.0	!	!END!
1788	!	X =	694.267,	5149.861,	0.0,	0.0	!	!END!

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1852	!	X =	692.567,	5150.561,	0.0,	0.0	!	!END!
1853	!	X =	692.667,	5150.561,	0.0,	0.0	!	!END!
1854	!	X =	692.767,	5150.561,	0.0,	0.0	!	!END!
1855	!	X =	692.867,	5150.561,	0.0,	0.0	!	!END!
1856	!	X =	694.067,	5150.561,	0.0,	0.0	!	!END!
1857	!	X =	694.167,	5150.561,	0.0,	0.0	!	!END!
1858	!	X =	694.267,	5150.561,	0.0,	0.0	!	!END!
1859	!	X =	694.367,	5150.561,	0.0,	0.0	!	!END!
1860	!	X =	694.467,	5150.561,	0.0,	0.0	!	!END!
1861	!	X =	692.467,	5150.661,	0.0,	0.0	!	!END!
1862	!	X =	692.567,	5150.661,	0.0,	0.0	!	!END!
1863	!	X =	692.667,	5150.661,	0.0,	0.0	!	!END!
1864	!	X =	692.767,	5150.661,	0.0,	0.0	!	!END!
1865	!	X =	692.867,	5150.661,	0.0,	0.0	!	!END!
1866	!	X =	694.067,	5150.661,	0.0,	0.0	!	!END!
1867	!	X =	694.167,	5150.661,	0.0,	0.0	!	!END!
1868	!	X =	694.267,	5150.661,	0.0,	0.0	!	!END!
1869	!	X =	694.367,	5150.661,	0.0,	0.0	!	!END!
1870	!	X =	694.467,	5150.661,	0.0,	0.0	!	!END!
1871	!	X =	692.467,	5150.761,	0.0,	0.0	!	!END!
1872	!	X =	692.567,	5150.761,	0.0,	0.0	!	!END!
1873	!	X =	692.667,	5150.761,	0.0,	0.0	!	!END!
1874	!	X =	692.767,	5150.761,	0.0,	0.0	!	!END!
1875	!	X =	692.867,	5150.761,	0.0,	0.0	!	!END!
1876	!	X =	692.967,	5150.761,	0.0,	0.0	!	!END!
1877	!	X =	693.067,	5150.761,	0.0,	0.0	!	!END!
1878	!	X =	693.167,	5150.761,	0.0,	0.0	!	!END!
1879	!	X =	693.267,	5150.761,	0.0,	0.0	!	!END!
1880	!	X =	693.367,	5150.761,	0.0,	0.0	!	!END!
1881	!	X =	693.467,	5150.761,	0.0,	0.0	!	!END!
1882	!	X =	693.567,	5150.761,	0.0,	0.0	!	!END!
1883	!	X =	693.667,	5150.761,	0.0,	0.0	!	!END!
1884	!	X =	693.767,	5150.761,	0.0,	0.0	!	!END!
1885	!	X =	693.867,	5150.761,	0.0,	0.0	!	!END!
1886	!	X =	693.967,	5150.761,	0.0,	0.0	!	!END!
1887	!	X =	694.067,	5150.761,	0.0,	0.0	!	!END!
1888	!	X =	694.167,	5150.761,	0.0,	0.0	!	!END!
1889	!	X =	694.267,	5150.761,	0.0,	0.0	!	!END!
1890	!	X =	694.367,	5150.761,	0.0,	0.0	!	!END!
1891	!	X =	694.467,	5150.761,	0.0,	0.0	!	!END!
1892	!	X =	692.467,	5150.861,	0.0,	0.0	!	!END!
1893	!	X =	692.567,	5150.861,	0.0,	0.0	!	!END!
1894	!	X =	692.667,	5150.861,	0.0,	0.0	!	!END!
1895	!	X =	692.767,	5150.861,	0.0,	0.0	!	!END!
1896	!	X =	692.867,	5150.861,	0.0,	0.0	!	!END!
1897	!	X =	692.967,	5150.861,	0.0,	0.0	!	!END!
1898	!	X =	693.067,	5150.861,	0.0,	0.0	!	!END!
1899	!	X =	693.167,	5150.861,	0.0,	0.0	!	!END!
1900	!	X =	693.267,	5150.861,	0.0,	0.0	!	!END!
1901	!	X =	693.367,	5150.861,	0.0,	0.0	!	!END!
1902	!	X =	693.467,	5150.861,	0.0,	0.0	!	!END!
1903	!	X =	693.567,	5150.861,	0.0,	0.0	!	!END!
1904	!	X =	693.667,	5150.861,	0.0,	0.0	!	!END!
1905	!	X =	693.767,	5150.861,	0.0,	0.0	!	!END!
1906	!	X =	693.867,	5150.861,	0.0,	0.0	!	!END!
1907	!	X =	693.967,	5150.861,	0.0,	0.0	!	!END!
1908	!	X =	694.067,	5150.861,	0.0,	0.0	!	!END!
1909	!	X =	694.167,	5150.861,	0.0,	0.0	!	!END!
1910	!	X =	694.267,	5150.861,	0.0,	0.0	!	!END!
1911	!	X =	694.367,	5150.861,	0.0,	0.0	!	!END!
1912	!	X =	694.467,	5150.861,	0.0,	0.0	!	!END!
1913	!	X =	692.467,	5150.961,	0.0,	0.0	!	!END!
1914	!	X =	692.567,	5150.961,	0.0,	0.0	!	!END!

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1915	!	X =	692.667,	5150.961,	0.0,	0.0	!	!END!
1916	!	X =	692.767,	5150.961,	0.0,	0.0	!	!END!
1917	!	X =	692.867,	5150.961,	0.0,	0.0	!	!END!
1918	!	X =	692.967,	5150.961,	0.0,	0.0	!	!END!
1919	!	X =	693.067,	5150.961,	0.0,	0.0	!	!END!
1920	!	X =	693.167,	5150.961,	0.0,	0.0	!	!END!
1921	!	X =	693.267,	5150.961,	0.0,	0.0	!	!END!
1922	!	X =	693.367,	5150.961,	0.0,	0.0	!	!END!
1923	!	X =	693.467,	5150.961,	0.0,	0.0	!	!END!
1924	!	X =	693.567,	5150.961,	0.0,	0.0	!	!END!
1925	!	X =	693.667,	5150.961,	0.0,	0.0	!	!END!
1926	!	X =	693.767,	5150.961,	0.0,	0.0	!	!END!
1927	!	X =	693.867,	5150.961,	0.0,	0.0	!	!END!
1928	!	X =	693.967,	5150.961,	0.0,	0.0	!	!END!
1929	!	X =	694.067,	5150.961,	0.0,	0.0	!	!END!
1930	!	X =	694.167,	5150.961,	0.0,	0.0	!	!END!
1931	!	X =	694.267,	5150.961,	0.0,	0.0	!	!END!
1932	!	X =	694.367,	5150.961,	0.0,	0.0	!	!END!
1933	!	X =	694.467,	5150.961,	0.0,	0.0	!	!END!
1934	!	X =	692.467,	5151.061,	0.0,	0.0	!	!END!
1935	!	X =	692.567,	5151.061,	0.0,	0.0	!	!END!
1936	!	X =	692.667,	5151.061,	0.0,	0.0	!	!END!
1937	!	X =	692.767,	5151.061,	0.0,	0.0	!	!END!
1938	!	X =	692.867,	5151.061,	0.0,	0.0	!	!END!
1939	!	X =	692.967,	5151.061,	0.0,	0.0	!	!END!
1940	!	X =	693.067,	5151.061,	0.0,	0.0	!	!END!
1941	!	X =	693.167,	5151.061,	0.0,	0.0	!	!END!
1942	!	X =	693.267,	5151.061,	0.0,	0.0	!	!END!
1943	!	X =	693.367,	5151.061,	0.0,	0.0	!	!END!
1944	!	X =	693.467,	5151.061,	0.0,	0.0	!	!END!
1945	!	X =	693.567,	5151.061,	0.0,	0.0	!	!END!
1946	!	X =	693.667,	5151.061,	0.0,	0.0	!	!END!
1947	!	X =	693.767,	5151.061,	0.0,	0.0	!	!END!
1948	!	X =	693.867,	5151.061,	0.0,	0.0	!	!END!
1949	!	X =	693.967,	5151.061,	0.0,	0.0	!	!END!
1950	!	X =	694.067,	5151.061,	0.0,	0.0	!	!END!
1951	!	X =	694.167,	5151.061,	0.0,	0.0	!	!END!
1952	!	X =	694.267,	5151.061,	0.0,	0.0	!	!END!
1953	!	X =	694.367,	5151.061,	0.0,	0.0	!	!END!
1954	!	X =	694.467,	5151.061,	0.0,	0.0	!	!END!
1955	!	X =	692.467,	5151.161,	0.0,	0.0	!	!END!
1956	!	X =	692.567,	5151.161,	0.0,	0.0	!	!END!
1957	!	X =	692.667,	5151.161,	0.0,	0.0	!	!END!
1958	!	X =	692.767,	5151.161,	0.0,	0.0	!	!END!
1959	!	X =	692.867,	5151.161,	0.0,	0.0	!	!END!
1960	!	X =	692.967,	5151.161,	0.0,	0.0	!	!END!
1961	!	X =	693.067,	5151.161,	0.0,	0.0	!	!END!
1962	!	X =	693.167,	5151.161,	0.0,	0.0	!	!END!
1963	!	X =	693.267,	5151.161,	0.0,	0.0	!	!END!
1964	!	X =	693.367,	5151.161,	0.0,	0.0	!	!END!
1965	!	X =	693.467,	5151.161,	0.0,	0.0	!	!END!
1966	!	X =	693.567,	5151.161,	0.0,	0.0	!	!END!
1967	!	X =	693.667,	5151.161,	0.0,	0.0	!	!END!
1968	!	X =	693.767,	5151.161,	0.0,	0.0	!	!END!
1969	!	X =	693.867,	5151.161,	0.0,	0.0	!	!END!
1970	!	X =	693.967,	5151.161,	0.0,	0.0	!	!END!
1971	!	X =	694.067,	5151.161,	0.0,	0.0	!	!END!
1972	!	X =	694.167,	5151.161,	0.0,	0.0	!	!END!
1973	!	X =	694.267,	5151.161,	0.0,	0.0	!	!END!
1974	!	X =	694.367,	5151.161,	0.0,	0.0	!	!END!
1975	!	X =	694.467,	5151.161,	0.0,	0.0	!	!END!
1976	!	X =	691.467,	5148.161,	0.0,	0.0	!	!END!
1977	!	X =	691.667,	5148.161,	0.0,	0.0	!	!END!

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1978	!	X =	691.867,	5148.161,	0.0,	0.0	!	!END!
1979	!	X =	692.067,	5148.161,	0.0,	0.0	!	!END!
1980	!	X =	692.267,	5148.161,	0.0,	0.0	!	!END!
1981	!	X =	692.467,	5148.161,	0.0,	0.0	!	!END!
1982	!	X =	692.667,	5148.161,	0.0,	0.0	!	!END!
1983	!	X =	692.867,	5148.161,	0.0,	0.0	!	!END!
1984	!	X =	693.067,	5148.161,	0.0,	0.0	!	!END!
1985	!	X =	693.267,	5148.161,	0.0,	0.0	!	!END!
1986	!	X =	693.467,	5148.161,	0.0,	0.0	!	!END!
1987	!	X =	693.667,	5148.161,	0.0,	0.0	!	!END!
1988	!	X =	693.867,	5148.161,	0.0,	0.0	!	!END!
1989	!	X =	694.067,	5148.161,	0.0,	0.0	!	!END!
1990	!	X =	694.267,	5148.161,	0.0,	0.0	!	!END!
1991	!	X =	694.467,	5148.161,	0.0,	0.0	!	!END!
1992	!	X =	694.667,	5148.161,	0.0,	0.0	!	!END!
1993	!	X =	694.867,	5148.161,	0.0,	0.0	!	!END!
1994	!	X =	695.067,	5148.161,	0.0,	0.0	!	!END!
1995	!	X =	695.267,	5148.161,	0.0,	0.0	!	!END!
1996	!	X =	695.467,	5148.161,	0.0,	0.0	!	!END!
1997	!	X =	691.467,	5148.361,	0.0,	0.0	!	!END!
1998	!	X =	691.667,	5148.361,	0.0,	0.0	!	!END!
1999	!	X =	691.867,	5148.361,	0.0,	0.0	!	!END!
2000	!	X =	692.067,	5148.361,	0.0,	0.0	!	!END!
2001	!	X =	692.267,	5148.361,	0.0,	0.0	!	!END!
2002	!	X =	692.467,	5148.361,	0.0,	0.0	!	!END!
2003	!	X =	692.667,	5148.361,	0.0,	0.0	!	!END!
2004	!	X =	692.867,	5148.361,	0.0,	0.0	!	!END!
2005	!	X =	693.067,	5148.361,	0.0,	0.0	!	!END!
2006	!	X =	693.267,	5148.361,	0.0,	0.0	!	!END!
2007	!	X =	693.467,	5148.361,	0.0,	0.0	!	!END!
2008	!	X =	693.667,	5148.361,	0.0,	0.0	!	!END!
2009	!	X =	693.867,	5148.361,	0.0,	0.0	!	!END!
2010	!	X =	694.067,	5148.361,	0.0,	0.0	!	!END!
2011	!	X =	694.267,	5148.361,	0.0,	0.0	!	!END!
2012	!	X =	694.467,	5148.361,	0.0,	0.0	!	!END!
2013	!	X =	694.667,	5148.361,	0.0,	0.0	!	!END!
2014	!	X =	694.867,	5148.361,	0.0,	0.0	!	!END!
2015	!	X =	695.067,	5148.361,	0.0,	0.0	!	!END!
2016	!	X =	695.267,	5148.361,	0.0,	0.0	!	!END!
2017	!	X =	695.467,	5148.361,	0.0,	0.0	!	!END!
2018	!	X =	691.467,	5148.561,	0.0,	0.0	!	!END!
2019	!	X =	691.667,	5148.561,	0.0,	0.0	!	!END!
2020	!	X =	691.867,	5148.561,	0.0,	0.0	!	!END!
2021	!	X =	692.067,	5148.561,	0.0,	0.0	!	!END!
2022	!	X =	692.267,	5148.561,	0.0,	0.0	!	!END!
2023	!	X =	692.467,	5148.561,	0.0,	0.0	!	!END!
2024	!	X =	692.667,	5148.561,	0.0,	0.0	!	!END!
2025	!	X =	692.867,	5148.561,	0.0,	0.0	!	!END!
2026	!	X =	693.067,	5148.561,	0.0,	0.0	!	!END!
2027	!	X =	693.267,	5148.561,	0.0,	0.0	!	!END!
2028	!	X =	693.467,	5148.561,	0.0,	0.0	!	!END!
2029	!	X =	693.667,	5148.561,	0.0,	0.0	!	!END!
2030	!	X =	693.867,	5148.561,	0.0,	0.0	!	!END!
2031	!	X =	694.067,	5148.561,	0.0,	0.0	!	!END!
2032	!	X =	694.267,	5148.561,	0.0,	0.0	!	!END!
2033	!	X =	694.467,	5148.561,	0.0,	0.0	!	!END!
2034	!	X =	694.667,	5148.561,	0.0,	0.0	!	!END!
2035	!	X =	694.867,	5148.561,	0.0,	0.0	!	!END!
2036	!	X =	695.067,	5148.561,	0.0,	0.0	!	!END!
2037	!	X =	695.267,	5148.561,	0.0,	0.0	!	!END!
2038	!	X =	695.467,	5148.561,	0.0,	0.0	!	!END!
2039	!	X =	691.467,	5148.761,	0.0,	0.0	!	!END!
2040	!	X =	691.667,	5148.761,	0.0,	0.0	!	!END!

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2041	!	X =	691.867,	5148.761,	0.0,	0.0	!	!END!
2042	!	X =	692.067,	5148.761,	0.0,	0.0	!	!END!
2043	!	X =	692.267,	5148.761,	0.0,	0.0	!	!END!
2044	!	X =	692.467,	5148.761,	0.0,	0.0	!	!END!
2045	!	X =	692.667,	5148.761,	0.0,	0.0	!	!END!
2046	!	X =	692.867,	5148.761,	0.0,	0.0	!	!END!
2047	!	X =	693.067,	5148.761,	0.0,	0.0	!	!END!
2048	!	X =	693.267,	5148.761,	0.0,	0.0	!	!END!
2049	!	X =	693.467,	5148.761,	0.0,	0.0	!	!END!
2050	!	X =	693.667,	5148.761,	0.0,	0.0	!	!END!
2051	!	X =	693.867,	5148.761,	0.0,	0.0	!	!END!
2052	!	X =	694.067,	5148.761,	0.0,	0.0	!	!END!
2053	!	X =	694.267,	5148.761,	0.0,	0.0	!	!END!
2054	!	X =	694.467,	5148.761,	0.0,	0.0	!	!END!
2055	!	X =	694.667,	5148.761,	0.0,	0.0	!	!END!
2056	!	X =	694.867,	5148.761,	0.0,	0.0	!	!END!
2057	!	X =	695.067,	5148.761,	0.0,	0.0	!	!END!
2058	!	X =	695.267,	5148.761,	0.0,	0.0	!	!END!
2059	!	X =	695.467,	5148.761,	0.0,	0.0	!	!END!
2060	!	X =	691.467,	5148.961,	0.0,	0.0	!	!END!
2061	!	X =	691.667,	5148.961,	0.0,	0.0	!	!END!
2062	!	X =	691.867,	5148.961,	0.0,	0.0	!	!END!
2063	!	X =	692.067,	5148.961,	0.0,	0.0	!	!END!
2064	!	X =	692.267,	5148.961,	0.0,	0.0	!	!END!
2065	!	X =	692.467,	5148.961,	0.0,	0.0	!	!END!
2066	!	X =	692.667,	5148.961,	0.0,	0.0	!	!END!
2067	!	X =	692.867,	5148.961,	0.0,	0.0	!	!END!
2068	!	X =	693.067,	5148.961,	0.0,	0.0	!	!END!
2069	!	X =	693.267,	5148.961,	0.0,	0.0	!	!END!
2070	!	X =	693.467,	5148.961,	0.0,	0.0	!	!END!
2071	!	X =	693.667,	5148.961,	0.0,	0.0	!	!END!
2072	!	X =	693.867,	5148.961,	0.0,	0.0	!	!END!
2073	!	X =	694.067,	5148.961,	0.0,	0.0	!	!END!
2074	!	X =	694.267,	5148.961,	0.0,	0.0	!	!END!
2075	!	X =	694.467,	5148.961,	0.0,	0.0	!	!END!
2076	!	X =	694.667,	5148.961,	0.0,	0.0	!	!END!
2077	!	X =	694.867,	5148.961,	0.0,	0.0	!	!END!
2078	!	X =	695.067,	5148.961,	0.0,	0.0	!	!END!
2079	!	X =	695.267,	5148.961,	0.0,	0.0	!	!END!
2080	!	X =	695.467,	5148.961,	0.0,	0.0	!	!END!
2081	!	X =	691.467,	5149.161,	0.0,	0.0	!	!END!
2082	!	X =	691.667,	5149.161,	0.0,	0.0	!	!END!
2083	!	X =	691.867,	5149.161,	0.0,	0.0	!	!END!
2084	!	X =	692.067,	5149.161,	0.0,	0.0	!	!END!
2085	!	X =	692.267,	5149.161,	0.0,	0.0	!	!END!
2086	!	X =	694.667,	5149.161,	0.0,	0.0	!	!END!
2087	!	X =	694.867,	5149.161,	0.0,	0.0	!	!END!
2088	!	X =	695.067,	5149.161,	0.0,	0.0	!	!END!
2089	!	X =	695.267,	5149.161,	0.0,	0.0	!	!END!
2090	!	X =	695.467,	5149.161,	0.0,	0.0	!	!END!
2091	!	X =	691.467,	5149.361,	0.0,	0.0	!	!END!
2092	!	X =	691.667,	5149.361,	0.0,	0.0	!	!END!
2093	!	X =	691.867,	5149.361,	0.0,	0.0	!	!END!
2094	!	X =	692.067,	5149.361,	0.0,	0.0	!	!END!
2095	!	X =	692.267,	5149.361,	0.0,	0.0	!	!END!
2096	!	X =	694.667,	5149.361,	0.0,	0.0	!	!END!
2097	!	X =	694.867,	5149.361,	0.0,	0.0	!	!END!
2098	!	X =	695.067,	5149.361,	0.0,	0.0	!	!END!
2099	!	X =	695.267,	5149.361,	0.0,	0.0	!	!END!
2100	!	X =	695.467,	5149.361,	0.0,	0.0	!	!END!
2101	!	X =	691.467,	5149.561,	0.0,	0.0	!	!END!
2102	!	X =	691.667,	5149.561,	0.0,	0.0	!	!END!
2103	!	X =	691.867,	5149.561,	0.0,	0.0	!	!END!

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2167	!	X =	694.867,	5150.761,	0.0,	0.0	!	!END!
2168	!	X =	695.067,	5150.761,	0.0,	0.0	!	!END!
2169	!	X =	695.267,	5150.761,	0.0,	0.0	!	!END!
2170	!	X =	695.467,	5150.761,	0.0,	0.0	!	!END!
2171	!	X =	691.467,	5150.961,	0.0,	0.0	!	!END!
2172	!	X =	691.667,	5150.961,	0.0,	0.0	!	!END!
2173	!	X =	691.867,	5150.961,	0.0,	0.0	!	!END!
2174	!	X =	692.067,	5150.961,	0.0,	0.0	!	!END!
2175	!	X =	692.267,	5150.961,	0.0,	0.0	!	!END!
2176	!	X =	694.667,	5150.961,	0.0,	0.0	!	!END!
2177	!	X =	694.867,	5150.961,	0.0,	0.0	!	!END!
2178	!	X =	695.067,	5150.961,	0.0,	0.0	!	!END!
2179	!	X =	695.267,	5150.961,	0.0,	0.0	!	!END!
2180	!	X =	695.467,	5150.961,	0.0,	0.0	!	!END!
2181	!	X =	691.467,	5151.161,	0.0,	0.0	!	!END!
2182	!	X =	691.667,	5151.161,	0.0,	0.0	!	!END!
2183	!	X =	691.867,	5151.161,	0.0,	0.0	!	!END!
2184	!	X =	692.067,	5151.161,	0.0,	0.0	!	!END!
2185	!	X =	692.267,	5151.161,	0.0,	0.0	!	!END!
2186	!	X =	694.667,	5151.161,	0.0,	0.0	!	!END!
2187	!	X =	694.867,	5151.161,	0.0,	0.0	!	!END!
2188	!	X =	695.067,	5151.161,	0.0,	0.0	!	!END!
2189	!	X =	695.267,	5151.161,	0.0,	0.0	!	!END!
2190	!	X =	695.467,	5151.161,	0.0,	0.0	!	!END!
2191	!	X =	691.467,	5151.361,	0.0,	0.0	!	!END!
2192	!	X =	691.667,	5151.361,	0.0,	0.0	!	!END!
2193	!	X =	691.867,	5151.361,	0.0,	0.0	!	!END!
2194	!	X =	692.067,	5151.361,	0.0,	0.0	!	!END!
2195	!	X =	692.267,	5151.361,	0.0,	0.0	!	!END!
2196	!	X =	692.467,	5151.361,	0.0,	0.0	!	!END!
2197	!	X =	692.667,	5151.361,	0.0,	0.0	!	!END!
2198	!	X =	692.867,	5151.361,	0.0,	0.0	!	!END!
2199	!	X =	693.067,	5151.361,	0.0,	0.0	!	!END!
2200	!	X =	693.267,	5151.361,	0.0,	0.0	!	!END!
2201	!	X =	693.467,	5151.361,	0.0,	0.0	!	!END!
2202	!	X =	693.667,	5151.361,	0.0,	0.0	!	!END!
2203	!	X =	693.867,	5151.361,	0.0,	0.0	!	!END!
2204	!	X =	694.067,	5151.361,	0.0,	0.0	!	!END!
2205	!	X =	694.267,	5151.361,	0.0,	0.0	!	!END!
2206	!	X =	694.467,	5151.361,	0.0,	0.0	!	!END!
2207	!	X =	694.667,	5151.361,	0.0,	0.0	!	!END!
2208	!	X =	694.867,	5151.361,	0.0,	0.0	!	!END!
2209	!	X =	695.067,	5151.361,	0.0,	0.0	!	!END!
2210	!	X =	695.267,	5151.361,	0.0,	0.0	!	!END!
2211	!	X =	695.467,	5151.361,	0.0,	0.0	!	!END!
2212	!	X =	691.467,	5151.561,	0.0,	0.0	!	!END!
2213	!	X =	691.667,	5151.561,	0.0,	0.0	!	!END!
2214	!	X =	691.867,	5151.561,	0.0,	0.0	!	!END!
2215	!	X =	692.067,	5151.561,	0.0,	0.0	!	!END!
2216	!	X =	692.267,	5151.561,	0.0,	0.0	!	!END!
2217	!	X =	692.467,	5151.561,	0.0,	0.0	!	!END!
2218	!	X =	692.667,	5151.561,	0.0,	0.0	!	!END!
2219	!	X =	692.867,	5151.561,	0.0,	0.0	!	!END!
2220	!	X =	693.067,	5151.561,	0.0,	0.0	!	!END!
2221	!	X =	693.267,	5151.561,	0.0,	0.0	!	!END!
2222	!	X =	693.467,	5151.561,	0.0,	0.0	!	!END!
2223	!	X =	693.667,	5151.561,	0.0,	0.0	!	!END!
2224	!	X =	693.867,	5151.561,	0.0,	0.0	!	!END!
2225	!	X =	694.067,	5151.561,	0.0,	0.0	!	!END!
2226	!	X =	694.267,	5151.561,	0.0,	0.0	!	!END!
2227	!	X =	694.467,	5151.561,	0.0,	0.0	!	!END!
2228	!	X =	694.667,	5151.561,	0.0,	0.0	!	!END!
2229	!	X =	694.867,	5151.561,	0.0,	0.0	!	!END!

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2230	!	X =	695.067,	5151.561,	0.0,	0.0	!	!END!
2231	!	X =	695.267,	5151.561,	0.0,	0.0	!	!END!
2232	!	X =	695.467,	5151.561,	0.0,	0.0	!	!END!
2233	!	X =	691.467,	5151.761,	0.0,	0.0	!	!END!
2234	!	X =	691.667,	5151.761,	0.0,	0.0	!	!END!
2235	!	X =	691.867,	5151.761,	0.0,	0.0	!	!END!
2236	!	X =	692.067,	5151.761,	0.0,	0.0	!	!END!
2237	!	X =	692.267,	5151.761,	0.0,	0.0	!	!END!
2238	!	X =	692.467,	5151.761,	0.0,	0.0	!	!END!
2239	!	X =	692.667,	5151.761,	0.0,	0.0	!	!END!
2240	!	X =	692.867,	5151.761,	0.0,	0.0	!	!END!
2241	!	X =	693.067,	5151.761,	0.0,	0.0	!	!END!
2242	!	X =	693.267,	5151.761,	0.0,	0.0	!	!END!
2243	!	X =	693.467,	5151.761,	0.0,	0.0	!	!END!
2244	!	X =	693.667,	5151.761,	0.0,	0.0	!	!END!
2245	!	X =	693.867,	5151.761,	0.0,	0.0	!	!END!
2246	!	X =	694.067,	5151.761,	0.0,	0.0	!	!END!
2247	!	X =	694.267,	5151.761,	0.0,	0.0	!	!END!
2248	!	X =	694.467,	5151.761,	0.0,	0.0	!	!END!
2249	!	X =	694.667,	5151.761,	0.0,	0.0	!	!END!
2250	!	X =	694.867,	5151.761,	0.0,	0.0	!	!END!
2251	!	X =	695.067,	5151.761,	0.0,	0.0	!	!END!
2252	!	X =	695.267,	5151.761,	0.0,	0.0	!	!END!
2253	!	X =	695.467,	5151.761,	0.0,	0.0	!	!END!
2254	!	X =	691.467,	5151.961,	0.0,	0.0	!	!END!
2255	!	X =	691.667,	5151.961,	0.0,	0.0	!	!END!
2256	!	X =	691.867,	5151.961,	0.0,	0.0	!	!END!
2257	!	X =	692.067,	5151.961,	0.0,	0.0	!	!END!
2258	!	X =	692.267,	5151.961,	0.0,	0.0	!	!END!
2259	!	X =	692.467,	5151.961,	0.0,	0.0	!	!END!
2260	!	X =	692.667,	5151.961,	0.0,	0.0	!	!END!
2261	!	X =	692.867,	5151.961,	0.0,	0.0	!	!END!
2262	!	X =	693.067,	5151.961,	0.0,	0.0	!	!END!
2263	!	X =	693.267,	5151.961,	0.0,	0.0	!	!END!
2264	!	X =	693.467,	5151.961,	0.0,	0.0	!	!END!
2265	!	X =	693.667,	5151.961,	0.0,	0.0	!	!END!
2266	!	X =	693.867,	5151.961,	0.0,	0.0	!	!END!
2267	!	X =	694.067,	5151.961,	0.0,	0.0	!	!END!
2268	!	X =	694.267,	5151.961,	0.0,	0.0	!	!END!
2269	!	X =	694.467,	5151.961,	0.0,	0.0	!	!END!
2270	!	X =	694.667,	5151.961,	0.0,	0.0	!	!END!
2271	!	X =	694.867,	5151.961,	0.0,	0.0	!	!END!
2272	!	X =	695.067,	5151.961,	0.0,	0.0	!	!END!
2273	!	X =	695.267,	5151.961,	0.0,	0.0	!	!END!
2274	!	X =	695.467,	5151.961,	0.0,	0.0	!	!END!
2275	!	X =	691.467,	5152.161,	0.0,	0.0	!	!END!
2276	!	X =	691.667,	5152.161,	0.0,	0.0	!	!END!
2277	!	X =	691.867,	5152.161,	0.0,	0.0	!	!END!
2278	!	X =	692.067,	5152.161,	0.0,	0.0	!	!END!
2279	!	X =	692.267,	5152.161,	0.0,	0.0	!	!END!
2280	!	X =	692.467,	5152.161,	0.0,	0.0	!	!END!
2281	!	X =	692.667,	5152.161,	0.0,	0.0	!	!END!
2282	!	X =	692.867,	5152.161,	0.0,	0.0	!	!END!
2283	!	X =	693.067,	5152.161,	0.0,	0.0	!	!END!
2284	!	X =	693.267,	5152.161,	0.0,	0.0	!	!END!
2285	!	X =	693.467,	5152.161,	0.0,	0.0	!	!END!
2286	!	X =	693.667,	5152.161,	0.0,	0.0	!	!END!
2287	!	X =	693.867,	5152.161,	0.0,	0.0	!	!END!
2288	!	X =	694.067,	5152.161,	0.0,	0.0	!	!END!
2289	!	X =	694.267,	5152.161,	0.0,	0.0	!	!END!
2290	!	X =	694.467,	5152.161,	0.0,	0.0	!	!END!
2291	!	X =	694.667,	5152.161,	0.0,	0.0	!	!END!
2292	!	X =	694.867,	5152.161,	0.0,	0.0	!	!END!

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2293	!	X =	695.067,	5152.161,	0.0,	0.0	!	!END!
2294	!	X =	695.267,	5152.161,	0.0,	0.0	!	!END!
2295	!	X =	695.467,	5152.161,	0.0,	0.0	!	!END!
2296	!	X =	692.492,	5158.125,	0.0,	0.0	!	!END!
2297	!	X =	692.542,	5158.125,	0.0,	0.0	!	!END!
2298	!	X =	692.592,	5158.125,	0.0,	0.0	!	!END!
2299	!	X =	692.642,	5158.125,	0.0,	0.0	!	!END!
2300	!	X =	692.692,	5158.125,	0.0,	0.0	!	!END!
2301	!	X =	692.742,	5158.125,	0.0,	0.0	!	!END!
2302	!	X =	692.792,	5158.125,	0.0,	0.0	!	!END!
2303	!	X =	692.842,	5158.125,	0.0,	0.0	!	!END!
2304	!	X =	692.892,	5158.125,	0.0,	0.0	!	!END!
2305	!	X =	692.942,	5158.125,	0.0,	0.0	!	!END!
2306	!	X =	692.992,	5158.125,	0.0,	0.0	!	!END!
2307	!	X =	693.042,	5158.125,	0.0,	0.0	!	!END!
2308	!	X =	693.092,	5158.125,	0.0,	0.0	!	!END!
2309	!	X =	693.142,	5158.125,	0.0,	0.0	!	!END!
2310	!	X =	693.192,	5158.125,	0.0,	0.0	!	!END!
2311	!	X =	693.242,	5158.125,	0.0,	0.0	!	!END!
2312	!	X =	693.292,	5158.125,	0.0,	0.0	!	!END!
2313	!	X =	693.342,	5158.125,	0.0,	0.0	!	!END!
2314	!	X =	693.392,	5158.125,	0.0,	0.0	!	!END!
2315	!	X =	693.442,	5158.125,	0.0,	0.0	!	!END!
2316	!	X =	693.492,	5158.125,	0.0,	0.0	!	!END!
2317	!	X =	692.492,	5158.175,	0.0,	0.0	!	!END!
2318	!	X =	692.542,	5158.175,	0.0,	0.0	!	!END!
2319	!	X =	692.592,	5158.175,	0.0,	0.0	!	!END!
2320	!	X =	692.642,	5158.175,	0.0,	0.0	!	!END!
2321	!	X =	692.692,	5158.175,	0.0,	0.0	!	!END!
2322	!	X =	692.742,	5158.175,	0.0,	0.0	!	!END!
2323	!	X =	692.792,	5158.175,	0.0,	0.0	!	!END!
2324	!	X =	692.842,	5158.175,	0.0,	0.0	!	!END!
2325	!	X =	692.892,	5158.175,	0.0,	0.0	!	!END!
2326	!	X =	692.942,	5158.175,	0.0,	0.0	!	!END!
2327	!	X =	692.992,	5158.175,	0.0,	0.0	!	!END!
2328	!	X =	693.042,	5158.175,	0.0,	0.0	!	!END!
2329	!	X =	728.055,	5186.350,	0.0,	0.0	!	!END!
2330	!	X =	728.105,	5186.350,	0.0,	0.0	!	!END!
2331	!	X =	728.155,	5186.350,	0.0,	0.0	!	!END!
2332	!	X =	728.205,	5186.350,	0.0,	0.0	!	!END!
2333	!	X =	728.255,	5186.350,	0.0,	0.0	!	!END!
2334	!	X =	728.305,	5186.350,	0.0,	0.0	!	!END!
2335	!	X =	727.305,	5186.400,	0.0,	0.0	!	!END!
2336	!	X =	727.355,	5186.400,	0.0,	0.0	!	!END!
2337	!	X =	727.405,	5186.400,	0.0,	0.0	!	!END!
2338	!	X =	727.455,	5186.400,	0.0,	0.0	!	!END!
2339	!	X =	727.505,	5186.400,	0.0,	0.0	!	!END!
2340	!	X =	727.555,	5186.400,	0.0,	0.0	!	!END!
2341	!	X =	727.605,	5186.400,	0.0,	0.0	!	!END!
2342	!	X =	727.655,	5186.400,	0.0,	0.0	!	!END!
2343	!	X =	727.705,	5186.400,	0.0,	0.0	!	!END!
2344	!	X =	727.755,	5186.400,	0.0,	0.0	!	!END!
2345	!	X =	727.805,	5186.400,	0.0,	0.0	!	!END!
2346	!	X =	727.855,	5186.400,	0.0,	0.0	!	!END!
2347	!	X =	727.905,	5186.400,	0.0,	0.0	!	!END!
2348	!	X =	727.955,	5186.400,	0.0,	0.0	!	!END!
2349	!	X =	728.005,	5186.400,	0.0,	0.0	!	!END!
2350	!	X =	728.055,	5186.400,	0.0,	0.0	!	!END!
2351	!	X =	728.105,	5186.400,	0.0,	0.0	!	!END!
2352	!	X =	728.155,	5186.400,	0.0,	0.0	!	!END!
2353	!	X =	728.205,	5186.400,	0.0,	0.0	!	!END!
2354	!	X =	728.255,	5186.400,	0.0,	0.0	!	!END!
2355	!	X =	728.305,	5186.400,	0.0,	0.0	!	!END!

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2356	!	X =	727.305,	5186.450,	0.0,	0.0	!	!END!
2357	!	X =	727.355,	5186.450,	0.0,	0.0	!	!END!
2358	!	X =	727.405,	5186.450,	0.0,	0.0	!	!END!
2359	!	X =	727.455,	5186.450,	0.0,	0.0	!	!END!
2360	!	X =	727.505,	5186.450,	0.0,	0.0	!	!END!
2361	!	X =	727.555,	5186.450,	0.0,	0.0	!	!END!
2362	!	X =	727.605,	5186.450,	0.0,	0.0	!	!END!
2363	!	X =	727.655,	5186.450,	0.0,	0.0	!	!END!
2364	!	X =	727.705,	5186.450,	0.0,	0.0	!	!END!
2365	!	X =	727.755,	5186.450,	0.0,	0.0	!	!END!
2366	!	X =	727.805,	5186.450,	0.0,	0.0	!	!END!
2367	!	X =	727.855,	5186.450,	0.0,	0.0	!	!END!
2368	!	X =	727.905,	5186.450,	0.0,	0.0	!	!END!
2369	!	X =	727.955,	5186.450,	0.0,	0.0	!	!END!
2370	!	X =	728.005,	5186.450,	0.0,	0.0	!	!END!
2371	!	X =	728.055,	5186.450,	0.0,	0.0	!	!END!
2372	!	X =	728.105,	5186.450,	0.0,	0.0	!	!END!
2373	!	X =	728.155,	5186.450,	0.0,	0.0	!	!END!
2374	!	X =	728.205,	5186.450,	0.0,	0.0	!	!END!
2375	!	X =	728.255,	5186.450,	0.0,	0.0	!	!END!
2376	!	X =	728.305,	5186.450,	0.0,	0.0	!	!END!
2377	!	X =	727.305,	5186.500,	0.0,	0.0	!	!END!
2378	!	X =	727.355,	5186.500,	0.0,	0.0	!	!END!
2379	!	X =	727.405,	5186.500,	0.0,	0.0	!	!END!
2380	!	X =	727.455,	5186.500,	0.0,	0.0	!	!END!
2381	!	X =	727.505,	5186.500,	0.0,	0.0	!	!END!
2382	!	X =	727.555,	5186.500,	0.0,	0.0	!	!END!
2383	!	X =	727.605,	5186.500,	0.0,	0.0	!	!END!
2384	!	X =	727.655,	5186.500,	0.0,	0.0	!	!END!
2385	!	X =	727.705,	5186.500,	0.0,	0.0	!	!END!
2386	!	X =	727.755,	5186.500,	0.0,	0.0	!	!END!
2387	!	X =	727.805,	5186.500,	0.0,	0.0	!	!END!
2388	!	X =	727.855,	5186.500,	0.0,	0.0	!	!END!
2389	!	X =	727.905,	5186.500,	0.0,	0.0	!	!END!
2390	!	X =	727.955,	5186.500,	0.0,	0.0	!	!END!
2391	!	X =	728.005,	5186.500,	0.0,	0.0	!	!END!
2392	!	X =	728.055,	5186.500,	0.0,	0.0	!	!END!
2393	!	X =	728.105,	5186.500,	0.0,	0.0	!	!END!
2394	!	X =	728.155,	5186.500,	0.0,	0.0	!	!END!
2395	!	X =	728.205,	5186.500,	0.0,	0.0	!	!END!
2396	!	X =	728.255,	5186.500,	0.0,	0.0	!	!END!
2397	!	X =	728.305,	5186.500,	0.0,	0.0	!	!END!
2398	!	X =	727.305,	5186.550,	0.0,	0.0	!	!END!
2399	!	X =	727.355,	5186.550,	0.0,	0.0	!	!END!
2400	!	X =	727.405,	5186.550,	0.0,	0.0	!	!END!
2401	!	X =	727.455,	5186.550,	0.0,	0.0	!	!END!
2402	!	X =	727.505,	5186.550,	0.0,	0.0	!	!END!
2403	!	X =	727.555,	5186.550,	0.0,	0.0	!	!END!
2404	!	X =	727.605,	5186.550,	0.0,	0.0	!	!END!
2405	!	X =	727.655,	5186.550,	0.0,	0.0	!	!END!
2406	!	X =	727.705,	5186.550,	0.0,	0.0	!	!END!
2407	!	X =	727.755,	5186.550,	0.0,	0.0	!	!END!
2408	!	X =	727.805,	5186.550,	0.0,	0.0	!	!END!
2409	!	X =	727.855,	5186.550,	0.0,	0.0	!	!END!
2410	!	X =	727.905,	5186.550,	0.0,	0.0	!	!END!
2411	!	X =	727.955,	5186.550,	0.0,	0.0	!	!END!
2412	!	X =	728.005,	5186.550,	0.0,	0.0	!	!END!
2413	!	X =	728.055,	5186.550,	0.0,	0.0	!	!END!
2414	!	X =	728.105,	5186.550,	0.0,	0.0	!	!END!
2415	!	X =	728.155,	5186.550,	0.0,	0.0	!	!END!
2416	!	X =	728.205,	5186.550,	0.0,	0.0	!	!END!
2417	!	X =	728.255,	5186.550,	0.0,	0.0	!	!END!
2418	!	X =	728.305,	5186.550,	0.0,	0.0	!	!END!

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2419	!	X =	727.305,	5186.600,	0.0,	0.0	!	!END!
2420	!	X =	727.355,	5186.600,	0.0,	0.0	!	!END!
2421	!	X =	727.405,	5186.600,	0.0,	0.0	!	!END!
2422	!	X =	727.455,	5186.600,	0.0,	0.0	!	!END!
2423	!	X =	727.505,	5186.600,	0.0,	0.0	!	!END!
2424	!	X =	727.555,	5186.600,	0.0,	0.0	!	!END!
2425	!	X =	727.605,	5186.600,	0.0,	0.0	!	!END!
2426	!	X =	727.655,	5186.600,	0.0,	0.0	!	!END!
2427	!	X =	727.705,	5186.600,	0.0,	0.0	!	!END!
2428	!	X =	727.755,	5186.600,	0.0,	0.0	!	!END!
2429	!	X =	727.805,	5186.600,	0.0,	0.0	!	!END!
2430	!	X =	727.855,	5186.600,	0.0,	0.0	!	!END!
2431	!	X =	727.905,	5186.600,	0.0,	0.0	!	!END!
2432	!	X =	727.955,	5186.600,	0.0,	0.0	!	!END!
2433	!	X =	728.005,	5186.600,	0.0,	0.0	!	!END!
2434	!	X =	728.055,	5186.600,	0.0,	0.0	!	!END!
2435	!	X =	728.105,	5186.600,	0.0,	0.0	!	!END!
2436	!	X =	728.155,	5186.600,	0.0,	0.0	!	!END!
2437	!	X =	728.205,	5186.600,	0.0,	0.0	!	!END!
2438	!	X =	728.255,	5186.600,	0.0,	0.0	!	!END!
2439	!	X =	728.305,	5186.600,	0.0,	0.0	!	!END!
2440	!	X =	726.805,	5185.100,	0.0,	0.0	!	!END!
2441	!	X =	726.905,	5185.100,	0.0,	0.0	!	!END!
2442	!	X =	727.005,	5185.100,	0.0,	0.0	!	!END!
2443	!	X =	727.105,	5185.100,	0.0,	0.0	!	!END!
2444	!	X =	727.205,	5185.100,	0.0,	0.0	!	!END!
2445	!	X =	727.305,	5185.100,	0.0,	0.0	!	!END!
2446	!	X =	727.405,	5185.100,	0.0,	0.0	!	!END!
2447	!	X =	727.505,	5185.100,	0.0,	0.0	!	!END!
2448	!	X =	727.605,	5185.100,	0.0,	0.0	!	!END!
2449	!	X =	727.705,	5185.100,	0.0,	0.0	!	!END!
2450	!	X =	727.805,	5185.100,	0.0,	0.0	!	!END!
2451	!	X =	727.905,	5185.100,	0.0,	0.0	!	!END!
2452	!	X =	728.005,	5185.100,	0.0,	0.0	!	!END!
2453	!	X =	728.105,	5185.100,	0.0,	0.0	!	!END!
2454	!	X =	728.205,	5185.100,	0.0,	0.0	!	!END!
2455	!	X =	728.305,	5185.100,	0.0,	0.0	!	!END!
2456	!	X =	728.405,	5185.100,	0.0,	0.0	!	!END!
2457	!	X =	728.505,	5185.100,	0.0,	0.0	!	!END!
2458	!	X =	728.605,	5185.100,	0.0,	0.0	!	!END!
2459	!	X =	728.705,	5185.100,	0.0,	0.0	!	!END!
2460	!	X =	728.805,	5185.100,	0.0,	0.0	!	!END!
2461	!	X =	726.805,	5185.200,	0.0,	0.0	!	!END!
2462	!	X =	726.905,	5185.200,	0.0,	0.0	!	!END!
2463	!	X =	727.005,	5185.200,	0.0,	0.0	!	!END!
2464	!	X =	727.105,	5185.200,	0.0,	0.0	!	!END!
2465	!	X =	727.205,	5185.200,	0.0,	0.0	!	!END!
2466	!	X =	727.305,	5185.200,	0.0,	0.0	!	!END!
2467	!	X =	727.405,	5185.200,	0.0,	0.0	!	!END!
2468	!	X =	727.505,	5185.200,	0.0,	0.0	!	!END!
2469	!	X =	727.605,	5185.200,	0.0,	0.0	!	!END!
2470	!	X =	727.705,	5185.200,	0.0,	0.0	!	!END!
2471	!	X =	727.805,	5185.200,	0.0,	0.0	!	!END!
2472	!	X =	727.905,	5185.200,	0.0,	0.0	!	!END!
2473	!	X =	728.005,	5185.200,	0.0,	0.0	!	!END!
2474	!	X =	728.105,	5185.200,	0.0,	0.0	!	!END!
2475	!	X =	728.205,	5185.200,	0.0,	0.0	!	!END!
2476	!	X =	728.305,	5185.200,	0.0,	0.0	!	!END!
2477	!	X =	728.405,	5185.200,	0.0,	0.0	!	!END!
2478	!	X =	728.505,	5185.200,	0.0,	0.0	!	!END!
2479	!	X =	728.605,	5185.200,	0.0,	0.0	!	!END!
2480	!	X =	728.705,	5185.200,	0.0,	0.0	!	!END!
2481	!	X =	728.805,	5185.200,	0.0,	0.0	!	!END!

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2482	!	X =	726.805,	5185.300,	0.0,	0.0	!	!END!
2483	!	X =	726.905,	5185.300,	0.0,	0.0	!	!END!
2484	!	X =	727.005,	5185.300,	0.0,	0.0	!	!END!
2485	!	X =	727.105,	5185.300,	0.0,	0.0	!	!END!
2486	!	X =	727.205,	5185.300,	0.0,	0.0	!	!END!
2487	!	X =	727.305,	5185.300,	0.0,	0.0	!	!END!
2488	!	X =	727.405,	5185.300,	0.0,	0.0	!	!END!
2489	!	X =	727.505,	5185.300,	0.0,	0.0	!	!END!
2490	!	X =	727.605,	5185.300,	0.0,	0.0	!	!END!
2491	!	X =	727.705,	5185.300,	0.0,	0.0	!	!END!
2492	!	X =	727.805,	5185.300,	0.0,	0.0	!	!END!
2493	!	X =	727.905,	5185.300,	0.0,	0.0	!	!END!
2494	!	X =	728.005,	5185.300,	0.0,	0.0	!	!END!
2495	!	X =	728.105,	5185.300,	0.0,	0.0	!	!END!
2496	!	X =	728.205,	5185.300,	0.0,	0.0	!	!END!
2497	!	X =	728.305,	5185.300,	0.0,	0.0	!	!END!
2498	!	X =	728.405,	5185.300,	0.0,	0.0	!	!END!
2499	!	X =	728.505,	5185.300,	0.0,	0.0	!	!END!
2500	!	X =	728.605,	5185.300,	0.0,	0.0	!	!END!
2501	!	X =	728.705,	5185.300,	0.0,	0.0	!	!END!
2502	!	X =	728.805,	5185.300,	0.0,	0.0	!	!END!
2503	!	X =	726.805,	5185.400,	0.0,	0.0	!	!END!
2504	!	X =	726.905,	5185.400,	0.0,	0.0	!	!END!
2505	!	X =	727.005,	5185.400,	0.0,	0.0	!	!END!
2506	!	X =	727.105,	5185.400,	0.0,	0.0	!	!END!
2507	!	X =	727.205,	5185.400,	0.0,	0.0	!	!END!
2508	!	X =	727.305,	5185.400,	0.0,	0.0	!	!END!
2509	!	X =	727.405,	5185.400,	0.0,	0.0	!	!END!
2510	!	X =	727.505,	5185.400,	0.0,	0.0	!	!END!
2511	!	X =	727.605,	5185.400,	0.0,	0.0	!	!END!
2512	!	X =	727.705,	5185.400,	0.0,	0.0	!	!END!
2513	!	X =	727.805,	5185.400,	0.0,	0.0	!	!END!
2514	!	X =	727.905,	5185.400,	0.0,	0.0	!	!END!
2515	!	X =	728.005,	5185.400,	0.0,	0.0	!	!END!
2516	!	X =	728.105,	5185.400,	0.0,	0.0	!	!END!
2517	!	X =	728.205,	5185.400,	0.0,	0.0	!	!END!
2518	!	X =	728.305,	5185.400,	0.0,	0.0	!	!END!
2519	!	X =	728.405,	5185.400,	0.0,	0.0	!	!END!
2520	!	X =	728.505,	5185.400,	0.0,	0.0	!	!END!
2521	!	X =	728.605,	5185.400,	0.0,	0.0	!	!END!
2522	!	X =	728.705,	5185.400,	0.0,	0.0	!	!END!
2523	!	X =	728.805,	5185.400,	0.0,	0.0	!	!END!
2524	!	X =	726.805,	5185.500,	0.0,	0.0	!	!END!
2525	!	X =	726.905,	5185.500,	0.0,	0.0	!	!END!
2526	!	X =	727.005,	5185.500,	0.0,	0.0	!	!END!
2527	!	X =	727.105,	5185.500,	0.0,	0.0	!	!END!
2528	!	X =	727.205,	5185.500,	0.0,	0.0	!	!END!
2529	!	X =	727.305,	5185.500,	0.0,	0.0	!	!END!
2530	!	X =	727.405,	5185.500,	0.0,	0.0	!	!END!
2531	!	X =	727.505,	5185.500,	0.0,	0.0	!	!END!
2532	!	X =	727.605,	5185.500,	0.0,	0.0	!	!END!
2533	!	X =	727.705,	5185.500,	0.0,	0.0	!	!END!
2534	!	X =	727.805,	5185.500,	0.0,	0.0	!	!END!
2535	!	X =	727.905,	5185.500,	0.0,	0.0	!	!END!
2536	!	X =	728.005,	5185.500,	0.0,	0.0	!	!END!
2537	!	X =	728.105,	5185.500,	0.0,	0.0	!	!END!
2538	!	X =	728.205,	5185.500,	0.0,	0.0	!	!END!
2539	!	X =	728.305,	5185.500,	0.0,	0.0	!	!END!
2540	!	X =	728.405,	5185.500,	0.0,	0.0	!	!END!
2541	!	X =	728.505,	5185.500,	0.0,	0.0	!	!END!
2542	!	X =	728.605,	5185.500,	0.0,	0.0	!	!END!
2543	!	X =	728.705,	5185.500,	0.0,	0.0	!	!END!
2544	!	X =	728.805,	5185.500,	0.0,	0.0	!	!END!

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2671	!	X =	728.405,	5186.700,	0.0,	0.0	!	!END!
2672	!	X =	728.505,	5186.700,	0.0,	0.0	!	!END!
2673	!	X =	728.605,	5186.700,	0.0,	0.0	!	!END!
2674	!	X =	728.705,	5186.700,	0.0,	0.0	!	!END!
2675	!	X =	728.805,	5186.700,	0.0,	0.0	!	!END!
2676	!	X =	726.805,	5186.800,	0.0,	0.0	!	!END!
2677	!	X =	726.905,	5186.800,	0.0,	0.0	!	!END!
2678	!	X =	727.005,	5186.800,	0.0,	0.0	!	!END!
2679	!	X =	727.105,	5186.800,	0.0,	0.0	!	!END!
2680	!	X =	727.205,	5186.800,	0.0,	0.0	!	!END!
2681	!	X =	727.305,	5186.800,	0.0,	0.0	!	!END!
2682	!	X =	727.405,	5186.800,	0.0,	0.0	!	!END!
2683	!	X =	727.505,	5186.800,	0.0,	0.0	!	!END!
2684	!	X =	727.605,	5186.800,	0.0,	0.0	!	!END!
2685	!	X =	727.705,	5186.800,	0.0,	0.0	!	!END!
2686	!	X =	727.805,	5186.800,	0.0,	0.0	!	!END!
2687	!	X =	727.905,	5186.800,	0.0,	0.0	!	!END!
2688	!	X =	728.005,	5186.800,	0.0,	0.0	!	!END!
2689	!	X =	728.105,	5186.800,	0.0,	0.0	!	!END!
2690	!	X =	728.205,	5186.800,	0.0,	0.0	!	!END!
2691	!	X =	728.305,	5186.800,	0.0,	0.0	!	!END!
2692	!	X =	728.405,	5186.800,	0.0,	0.0	!	!END!
2693	!	X =	728.505,	5186.800,	0.0,	0.0	!	!END!
2694	!	X =	728.605,	5186.800,	0.0,	0.0	!	!END!
2695	!	X =	728.705,	5186.800,	0.0,	0.0	!	!END!
2696	!	X =	728.805,	5186.800,	0.0,	0.0	!	!END!
2697	!	X =	726.805,	5186.900,	0.0,	0.0	!	!END!
2698	!	X =	726.905,	5186.900,	0.0,	0.0	!	!END!
2699	!	X =	727.005,	5186.900,	0.0,	0.0	!	!END!
2700	!	X =	727.105,	5186.900,	0.0,	0.0	!	!END!
2701	!	X =	727.205,	5186.900,	0.0,	0.0	!	!END!
2702	!	X =	727.305,	5186.900,	0.0,	0.0	!	!END!
2703	!	X =	727.405,	5186.900,	0.0,	0.0	!	!END!
2704	!	X =	727.505,	5186.900,	0.0,	0.0	!	!END!
2705	!	X =	727.605,	5186.900,	0.0,	0.0	!	!END!
2706	!	X =	727.705,	5186.900,	0.0,	0.0	!	!END!
2707	!	X =	727.805,	5186.900,	0.0,	0.0	!	!END!
2708	!	X =	727.905,	5186.900,	0.0,	0.0	!	!END!
2709	!	X =	728.005,	5186.900,	0.0,	0.0	!	!END!
2710	!	X =	728.105,	5186.900,	0.0,	0.0	!	!END!
2711	!	X =	728.205,	5186.900,	0.0,	0.0	!	!END!
2712	!	X =	728.305,	5186.900,	0.0,	0.0	!	!END!
2713	!	X =	728.405,	5186.900,	0.0,	0.0	!	!END!
2714	!	X =	728.505,	5186.900,	0.0,	0.0	!	!END!
2715	!	X =	728.605,	5186.900,	0.0,	0.0	!	!END!
2716	!	X =	728.705,	5186.900,	0.0,	0.0	!	!END!
2717	!	X =	728.805,	5186.900,	0.0,	0.0	!	!END!
2718	!	X =	726.805,	5187.000,	0.0,	0.0	!	!END!
2719	!	X =	726.905,	5187.000,	0.0,	0.0	!	!END!
2720	!	X =	727.005,	5187.000,	0.0,	0.0	!	!END!
2721	!	X =	727.105,	5187.000,	0.0,	0.0	!	!END!
2722	!	X =	727.205,	5187.000,	0.0,	0.0	!	!END!
2723	!	X =	727.305,	5187.000,	0.0,	0.0	!	!END!
2724	!	X =	727.405,	5187.000,	0.0,	0.0	!	!END!
2725	!	X =	727.505,	5187.000,	0.0,	0.0	!	!END!
2726	!	X =	727.605,	5187.000,	0.0,	0.0	!	!END!
2727	!	X =	727.705,	5187.000,	0.0,	0.0	!	!END!
2728	!	X =	727.805,	5187.000,	0.0,	0.0	!	!END!
2729	!	X =	727.905,	5187.000,	0.0,	0.0	!	!END!
2730	!	X =	728.005,	5187.000,	0.0,	0.0	!	!END!
2731	!	X =	728.105,	5187.000,	0.0,	0.0	!	!END!
2732	!	X =	728.205,	5187.000,	0.0,	0.0	!	!END!
2733	!	X =	728.305,	5187.000,	0.0,	0.0	!	!END!

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2734	!	X =	728.405,	5187.000,	0.0,	0.0	!	!END!
2735	!	X =	728.505,	5187.000,	0.0,	0.0	!	!END!
2736	!	X =	728.605,	5187.000,	0.0,	0.0	!	!END!
2737	!	X =	728.705,	5187.000,	0.0,	0.0	!	!END!
2738	!	X =	728.805,	5187.000,	0.0,	0.0	!	!END!
2739	!	X =	726.805,	5187.100,	0.0,	0.0	!	!END!
2740	!	X =	726.905,	5187.100,	0.0,	0.0	!	!END!
2741	!	X =	727.005,	5187.100,	0.0,	0.0	!	!END!
2742	!	X =	727.105,	5187.100,	0.0,	0.0	!	!END!
2743	!	X =	727.205,	5187.100,	0.0,	0.0	!	!END!
2744	!	X =	727.305,	5187.100,	0.0,	0.0	!	!END!
2745	!	X =	727.405,	5187.100,	0.0,	0.0	!	!END!
2746	!	X =	727.505,	5187.100,	0.0,	0.0	!	!END!
2747	!	X =	727.605,	5187.100,	0.0,	0.0	!	!END!
2748	!	X =	727.705,	5187.100,	0.0,	0.0	!	!END!
2749	!	X =	727.805,	5187.100,	0.0,	0.0	!	!END!
2750	!	X =	727.905,	5187.100,	0.0,	0.0	!	!END!
2751	!	X =	728.005,	5187.100,	0.0,	0.0	!	!END!
2752	!	X =	728.105,	5187.100,	0.0,	0.0	!	!END!
2753	!	X =	728.205,	5187.100,	0.0,	0.0	!	!END!
2754	!	X =	728.305,	5187.100,	0.0,	0.0	!	!END!
2755	!	X =	728.405,	5187.100,	0.0,	0.0	!	!END!
2756	!	X =	728.505,	5187.100,	0.0,	0.0	!	!END!
2757	!	X =	728.605,	5187.100,	0.0,	0.0	!	!END!
2758	!	X =	728.705,	5187.100,	0.0,	0.0	!	!END!
2759	!	X =	728.805,	5187.100,	0.0,	0.0	!	!END!
2760	!	X =	725.805,	5184.100,	0.0,	0.0	!	!END!
2761	!	X =	726.005,	5184.100,	0.0,	0.0	!	!END!
2762	!	X =	726.205,	5184.100,	0.0,	0.0	!	!END!
2763	!	X =	726.405,	5184.100,	0.0,	0.0	!	!END!
2764	!	X =	726.605,	5184.100,	0.0,	0.0	!	!END!
2765	!	X =	726.805,	5184.100,	0.0,	0.0	!	!END!
2766	!	X =	727.005,	5184.100,	0.0,	0.0	!	!END!
2767	!	X =	727.205,	5184.100,	0.0,	0.0	!	!END!
2768	!	X =	727.405,	5184.100,	0.0,	0.0	!	!END!
2769	!	X =	727.605,	5184.100,	0.0,	0.0	!	!END!
2770	!	X =	727.805,	5184.100,	0.0,	0.0	!	!END!
2771	!	X =	728.005,	5184.100,	0.0,	0.0	!	!END!
2772	!	X =	728.205,	5184.100,	0.0,	0.0	!	!END!
2773	!	X =	728.405,	5184.100,	0.0,	0.0	!	!END!
2774	!	X =	728.605,	5184.100,	0.0,	0.0	!	!END!
2775	!	X =	728.805,	5184.100,	0.0,	0.0	!	!END!
2776	!	X =	729.005,	5184.100,	0.0,	0.0	!	!END!
2777	!	X =	729.205,	5184.100,	0.0,	0.0	!	!END!
2778	!	X =	729.405,	5184.100,	0.0,	0.0	!	!END!
2779	!	X =	729.605,	5184.100,	0.0,	0.0	!	!END!
2780	!	X =	729.805,	5184.100,	0.0,	0.0	!	!END!
2781	!	X =	725.805,	5184.300,	0.0,	0.0	!	!END!
2782	!	X =	726.005,	5184.300,	0.0,	0.0	!	!END!
2783	!	X =	726.205,	5184.300,	0.0,	0.0	!	!END!
2784	!	X =	726.405,	5184.300,	0.0,	0.0	!	!END!
2785	!	X =	726.605,	5184.300,	0.0,	0.0	!	!END!
2786	!	X =	726.805,	5184.300,	0.0,	0.0	!	!END!
2787	!	X =	727.005,	5184.300,	0.0,	0.0	!	!END!
2788	!	X =	727.205,	5184.300,	0.0,	0.0	!	!END!
2789	!	X =	727.405,	5184.300,	0.0,	0.0	!	!END!
2790	!	X =	727.605,	5184.300,	0.0,	0.0	!	!END!
2791	!	X =	727.805,	5184.300,	0.0,	0.0	!	!END!
2792	!	X =	728.005,	5184.300,	0.0,	0.0	!	!END!
2793	!	X =	728.205,	5184.300,	0.0,	0.0	!	!END!
2794	!	X =	728.405,	5184.300,	0.0,	0.0	!	!END!
2795	!	X =	728.605,	5184.300,	0.0,	0.0	!	!END!
2796	!	X =	728.805,	5184.300,	0.0,	0.0	!	!END!

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2797	!	X =	729.005,	5184.300,	0.0,	0.0	!	!END!
2798	!	X =	729.205,	5184.300,	0.0,	0.0	!	!END!
2799	!	X =	729.405,	5184.300,	0.0,	0.0	!	!END!
2800	!	X =	729.605,	5184.300,	0.0,	0.0	!	!END!
2801	!	X =	729.805,	5184.300,	0.0,	0.0	!	!END!
2802	!	X =	725.805,	5184.500,	0.0,	0.0	!	!END!
2803	!	X =	726.005,	5184.500,	0.0,	0.0	!	!END!
2804	!	X =	726.205,	5184.500,	0.0,	0.0	!	!END!
2805	!	X =	726.405,	5184.500,	0.0,	0.0	!	!END!
2806	!	X =	726.605,	5184.500,	0.0,	0.0	!	!END!
2807	!	X =	726.805,	5184.500,	0.0,	0.0	!	!END!
2808	!	X =	727.005,	5184.500,	0.0,	0.0	!	!END!
2809	!	X =	727.205,	5184.500,	0.0,	0.0	!	!END!
2810	!	X =	727.405,	5184.500,	0.0,	0.0	!	!END!
2811	!	X =	727.605,	5184.500,	0.0,	0.0	!	!END!
2812	!	X =	727.805,	5184.500,	0.0,	0.0	!	!END!
2813	!	X =	728.005,	5184.500,	0.0,	0.0	!	!END!
2814	!	X =	728.205,	5184.500,	0.0,	0.0	!	!END!
2815	!	X =	728.405,	5184.500,	0.0,	0.0	!	!END!
2816	!	X =	728.605,	5184.500,	0.0,	0.0	!	!END!
2817	!	X =	728.805,	5184.500,	0.0,	0.0	!	!END!
2818	!	X =	729.005,	5184.500,	0.0,	0.0	!	!END!
2819	!	X =	729.205,	5184.500,	0.0,	0.0	!	!END!
2820	!	X =	729.405,	5184.500,	0.0,	0.0	!	!END!
2821	!	X =	729.605,	5184.500,	0.0,	0.0	!	!END!
2822	!	X =	729.805,	5184.500,	0.0,	0.0	!	!END!
2823	!	X =	725.805,	5184.700,	0.0,	0.0	!	!END!
2824	!	X =	726.005,	5184.700,	0.0,	0.0	!	!END!
2825	!	X =	726.205,	5184.700,	0.0,	0.0	!	!END!
2826	!	X =	726.405,	5184.700,	0.0,	0.0	!	!END!
2827	!	X =	726.605,	5184.700,	0.0,	0.0	!	!END!
2828	!	X =	726.805,	5184.700,	0.0,	0.0	!	!END!
2829	!	X =	727.005,	5184.700,	0.0,	0.0	!	!END!
2830	!	X =	727.205,	5184.700,	0.0,	0.0	!	!END!
2831	!	X =	727.405,	5184.700,	0.0,	0.0	!	!END!
2832	!	X =	727.605,	5184.700,	0.0,	0.0	!	!END!
2833	!	X =	727.805,	5184.700,	0.0,	0.0	!	!END!
2834	!	X =	728.005,	5184.700,	0.0,	0.0	!	!END!
2835	!	X =	728.205,	5184.700,	0.0,	0.0	!	!END!
2836	!	X =	728.405,	5184.700,	0.0,	0.0	!	!END!
2837	!	X =	728.605,	5184.700,	0.0,	0.0	!	!END!
2838	!	X =	728.805,	5184.700,	0.0,	0.0	!	!END!
2839	!	X =	729.005,	5184.700,	0.0,	0.0	!	!END!
2840	!	X =	729.205,	5184.700,	0.0,	0.0	!	!END!
2841	!	X =	729.405,	5184.700,	0.0,	0.0	!	!END!
2842	!	X =	729.605,	5184.700,	0.0,	0.0	!	!END!
2843	!	X =	729.805,	5184.700,	0.0,	0.0	!	!END!
2844	!	X =	725.805,	5184.900,	0.0,	0.0	!	!END!
2845	!	X =	726.005,	5184.900,	0.0,	0.0	!	!END!
2846	!	X =	726.205,	5184.900,	0.0,	0.0	!	!END!
2847	!	X =	726.405,	5184.900,	0.0,	0.0	!	!END!
2848	!	X =	726.605,	5184.900,	0.0,	0.0	!	!END!
2849	!	X =	726.805,	5184.900,	0.0,	0.0	!	!END!
2850	!	X =	727.005,	5184.900,	0.0,	0.0	!	!END!
2851	!	X =	727.205,	5184.900,	0.0,	0.0	!	!END!
2852	!	X =	727.405,	5184.900,	0.0,	0.0	!	!END!
2853	!	X =	727.605,	5184.900,	0.0,	0.0	!	!END!
2854	!	X =	727.805,	5184.900,	0.0,	0.0	!	!END!
2855	!	X =	728.005,	5184.900,	0.0,	0.0	!	!END!
2856	!	X =	728.205,	5184.900,	0.0,	0.0	!	!END!
2857	!	X =	728.405,	5184.900,	0.0,	0.0	!	!END!
2858	!	X =	728.605,	5184.900,	0.0,	0.0	!	!END!
2859	!	X =	728.805,	5184.900,	0.0,	0.0	!	!END!

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2986	!	X =	728.005,	5187.300,	0.0,	0.0	!	!END!
2987	!	X =	728.205,	5187.300,	0.0,	0.0	!	!END!
2988	!	X =	728.405,	5187.300,	0.0,	0.0	!	!END!
2989	!	X =	728.605,	5187.300,	0.0,	0.0	!	!END!
2990	!	X =	728.805,	5187.300,	0.0,	0.0	!	!END!
2991	!	X =	729.005,	5187.300,	0.0,	0.0	!	!END!
2992	!	X =	729.205,	5187.300,	0.0,	0.0	!	!END!
2993	!	X =	729.405,	5187.300,	0.0,	0.0	!	!END!
2994	!	X =	729.605,	5187.300,	0.0,	0.0	!	!END!
2995	!	X =	729.805,	5187.300,	0.0,	0.0	!	!END!
2996	!	X =	725.805,	5187.500,	0.0,	0.0	!	!END!
2997	!	X =	726.005,	5187.500,	0.0,	0.0	!	!END!
2998	!	X =	726.205,	5187.500,	0.0,	0.0	!	!END!
2999	!	X =	726.405,	5187.500,	0.0,	0.0	!	!END!
3000	!	X =	726.605,	5187.500,	0.0,	0.0	!	!END!
3001	!	X =	726.805,	5187.500,	0.0,	0.0	!	!END!
3002	!	X =	727.005,	5187.500,	0.0,	0.0	!	!END!
3003	!	X =	727.205,	5187.500,	0.0,	0.0	!	!END!
3004	!	X =	727.405,	5187.500,	0.0,	0.0	!	!END!
3005	!	X =	727.605,	5187.500,	0.0,	0.0	!	!END!
3006	!	X =	727.805,	5187.500,	0.0,	0.0	!	!END!
3007	!	X =	728.005,	5187.500,	0.0,	0.0	!	!END!
3008	!	X =	728.205,	5187.500,	0.0,	0.0	!	!END!
3009	!	X =	728.405,	5187.500,	0.0,	0.0	!	!END!
3010	!	X =	728.605,	5187.500,	0.0,	0.0	!	!END!
3011	!	X =	728.805,	5187.500,	0.0,	0.0	!	!END!
3012	!	X =	729.005,	5187.500,	0.0,	0.0	!	!END!
3013	!	X =	729.205,	5187.500,	0.0,	0.0	!	!END!
3014	!	X =	729.405,	5187.500,	0.0,	0.0	!	!END!
3015	!	X =	729.605,	5187.500,	0.0,	0.0	!	!END!
3016	!	X =	729.805,	5187.500,	0.0,	0.0	!	!END!
3017	!	X =	725.805,	5187.700,	0.0,	0.0	!	!END!
3018	!	X =	726.005,	5187.700,	0.0,	0.0	!	!END!
3019	!	X =	726.205,	5187.700,	0.0,	0.0	!	!END!
3020	!	X =	726.405,	5187.700,	0.0,	0.0	!	!END!
3021	!	X =	726.605,	5187.700,	0.0,	0.0	!	!END!
3022	!	X =	726.805,	5187.700,	0.0,	0.0	!	!END!
3023	!	X =	727.005,	5187.700,	0.0,	0.0	!	!END!
3024	!	X =	727.205,	5187.700,	0.0,	0.0	!	!END!
3025	!	X =	727.405,	5187.700,	0.0,	0.0	!	!END!
3026	!	X =	727.605,	5187.700,	0.0,	0.0	!	!END!
3027	!	X =	727.805,	5187.700,	0.0,	0.0	!	!END!
3028	!	X =	728.005,	5187.700,	0.0,	0.0	!	!END!
3029	!	X =	728.205,	5187.700,	0.0,	0.0	!	!END!
3030	!	X =	728.405,	5187.700,	0.0,	0.0	!	!END!
3031	!	X =	728.605,	5187.700,	0.0,	0.0	!	!END!
3032	!	X =	728.805,	5187.700,	0.0,	0.0	!	!END!
3033	!	X =	729.005,	5187.700,	0.0,	0.0	!	!END!
3034	!	X =	729.205,	5187.700,	0.0,	0.0	!	!END!
3035	!	X =	729.405,	5187.700,	0.0,	0.0	!	!END!
3036	!	X =	729.605,	5187.700,	0.0,	0.0	!	!END!
3037	!	X =	729.805,	5187.700,	0.0,	0.0	!	!END!
3038	!	X =	725.805,	5187.900,	0.0,	0.0	!	!END!
3039	!	X =	726.005,	5187.900,	0.0,	0.0	!	!END!
3040	!	X =	726.205,	5187.900,	0.0,	0.0	!	!END!
3041	!	X =	726.405,	5187.900,	0.0,	0.0	!	!END!
3042	!	X =	726.605,	5187.900,	0.0,	0.0	!	!END!
3043	!	X =	726.805,	5187.900,	0.0,	0.0	!	!END!
3044	!	X =	727.005,	5187.900,	0.0,	0.0	!	!END!
3045	!	X =	727.205,	5187.900,	0.0,	0.0	!	!END!
3046	!	X =	727.405,	5187.900,	0.0,	0.0	!	!END!
3047	!	X =	727.605,	5187.900,	0.0,	0.0	!	!END!
3048	!	X =	727.805,	5187.900,	0.0,	0.0	!	!END!

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3049	!	X =	728.005,	5187.900,	0.0,	0.0	!	!END!
3050	!	X =	728.205,	5187.900,	0.0,	0.0	!	!END!
3051	!	X =	728.405,	5187.900,	0.0,	0.0	!	!END!
3052	!	X =	728.605,	5187.900,	0.0,	0.0	!	!END!
3053	!	X =	728.805,	5187.900,	0.0,	0.0	!	!END!
3054	!	X =	729.005,	5187.900,	0.0,	0.0	!	!END!
3055	!	X =	729.205,	5187.900,	0.0,	0.0	!	!END!
3056	!	X =	729.405,	5187.900,	0.0,	0.0	!	!END!
3057	!	X =	729.605,	5187.900,	0.0,	0.0	!	!END!
3058	!	X =	729.805,	5187.900,	0.0,	0.0	!	!END!
3059	!	X =	725.805,	5188.100,	0.0,	0.0	!	!END!
3060	!	X =	726.005,	5188.100,	0.0,	0.0	!	!END!
3061	!	X =	726.205,	5188.100,	0.0,	0.0	!	!END!
3062	!	X =	726.405,	5188.100,	0.0,	0.0	!	!END!
3063	!	X =	726.605,	5188.100,	0.0,	0.0	!	!END!
3064	!	X =	726.805,	5188.100,	0.0,	0.0	!	!END!
3065	!	X =	727.005,	5188.100,	0.0,	0.0	!	!END!
3066	!	X =	727.205,	5188.100,	0.0,	0.0	!	!END!
3067	!	X =	727.405,	5188.100,	0.0,	0.0	!	!END!
3068	!	X =	727.605,	5188.100,	0.0,	0.0	!	!END!
3069	!	X =	727.805,	5188.100,	0.0,	0.0	!	!END!
3070	!	X =	728.005,	5188.100,	0.0,	0.0	!	!END!
3071	!	X =	728.205,	5188.100,	0.0,	0.0	!	!END!
3072	!	X =	728.405,	5188.100,	0.0,	0.0	!	!END!
3073	!	X =	728.605,	5188.100,	0.0,	0.0	!	!END!
3074	!	X =	728.805,	5188.100,	0.0,	0.0	!	!END!
3075	!	X =	729.005,	5188.100,	0.0,	0.0	!	!END!
3076	!	X =	729.205,	5188.100,	0.0,	0.0	!	!END!
3077	!	X =	729.405,	5188.100,	0.0,	0.0	!	!END!
3078	!	X =	729.605,	5188.100,	0.0,	0.0	!	!END!
3079	!	X =	729.805,	5188.100,	0.0,	0.0	!	!END!
3080	!	X =	693.092,	5158.175,	0.0,	0.0	!	!END!
3081	!	X =	693.142,	5158.175,	0.0,	0.0	!	!END!
3082	!	X =	693.192,	5158.175,	0.0,	0.0	!	!END!
3083	!	X =	693.242,	5158.175,	0.0,	0.0	!	!END!
3084	!	X =	693.292,	5158.175,	0.0,	0.0	!	!END!
3085	!	X =	693.342,	5158.175,	0.0,	0.0	!	!END!
3086	!	X =	693.392,	5158.175,	0.0,	0.0	!	!END!
3087	!	X =	693.442,	5158.175,	0.0,	0.0	!	!END!
3088	!	X =	693.492,	5158.175,	0.0,	0.0	!	!END!
3089	!	X =	692.492,	5158.225,	0.0,	0.0	!	!END!
3090	!	X =	692.542,	5158.225,	0.0,	0.0	!	!END!
3091	!	X =	692.592,	5158.225,	0.0,	0.0	!	!END!
3092	!	X =	692.642,	5158.225,	0.0,	0.0	!	!END!
3093	!	X =	692.692,	5158.225,	0.0,	0.0	!	!END!
3094	!	X =	692.742,	5158.225,	0.0,	0.0	!	!END!
3095	!	X =	692.792,	5158.225,	0.0,	0.0	!	!END!
3096	!	X =	692.842,	5158.225,	0.0,	0.0	!	!END!
3097	!	X =	692.892,	5158.225,	0.0,	0.0	!	!END!
3098	!	X =	692.942,	5158.225,	0.0,	0.0	!	!END!
3099	!	X =	692.992,	5158.225,	0.0,	0.0	!	!END!
3100	!	X =	693.042,	5158.225,	0.0,	0.0	!	!END!
3101	!	X =	693.092,	5158.225,	0.0,	0.0	!	!END!
3102	!	X =	693.142,	5158.225,	0.0,	0.0	!	!END!
3103	!	X =	693.192,	5158.225,	0.0,	0.0	!	!END!
3104	!	X =	693.242,	5158.225,	0.0,	0.0	!	!END!
3105	!	X =	693.292,	5158.225,	0.0,	0.0	!	!END!
3106	!	X =	693.342,	5158.225,	0.0,	0.0	!	!END!
3107	!	X =	693.392,	5158.225,	0.0,	0.0	!	!END!
3108	!	X =	693.442,	5158.225,	0.0,	0.0	!	!END!
3109	!	X =	693.492,	5158.225,	0.0,	0.0	!	!END!
3110	!	X =	692.492,	5158.275,	0.0,	0.0	!	!END!
3111	!	X =	692.542,	5158.275,	0.0,	0.0	!	!END!

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3112	!	X =	692.592,	5158.275,	0.0,	0.0	!	!END!
3113	!	X =	692.642,	5158.275,	0.0,	0.0	!	!END!
3114	!	X =	692.692,	5158.275,	0.0,	0.0	!	!END!
3115	!	X =	692.742,	5158.275,	0.0,	0.0	!	!END!
3116	!	X =	692.792,	5158.275,	0.0,	0.0	!	!END!
3117	!	X =	692.842,	5158.275,	0.0,	0.0	!	!END!
3118	!	X =	692.892,	5158.275,	0.0,	0.0	!	!END!
3119	!	X =	692.942,	5158.275,	0.0,	0.0	!	!END!
3120	!	X =	692.992,	5158.275,	0.0,	0.0	!	!END!
3121	!	X =	693.042,	5158.275,	0.0,	0.0	!	!END!
3122	!	X =	693.092,	5158.275,	0.0,	0.0	!	!END!
3123	!	X =	693.142,	5158.275,	0.0,	0.0	!	!END!
3124	!	X =	693.192,	5158.275,	0.0,	0.0	!	!END!
3125	!	X =	693.242,	5158.275,	0.0,	0.0	!	!END!
3126	!	X =	693.292,	5158.275,	0.0,	0.0	!	!END!
3127	!	X =	693.342,	5158.275,	0.0,	0.0	!	!END!
3128	!	X =	693.392,	5158.275,	0.0,	0.0	!	!END!
3129	!	X =	693.442,	5158.275,	0.0,	0.0	!	!END!
3130	!	X =	693.492,	5158.275,	0.0,	0.0	!	!END!
3131	!	X =	692.492,	5158.325,	0.0,	0.0	!	!END!
3132	!	X =	692.542,	5158.325,	0.0,	0.0	!	!END!
3133	!	X =	692.592,	5158.325,	0.0,	0.0	!	!END!
3134	!	X =	692.642,	5158.325,	0.0,	0.0	!	!END!
3135	!	X =	692.692,	5158.325,	0.0,	0.0	!	!END!
3136	!	X =	692.742,	5158.325,	0.0,	0.0	!	!END!
3137	!	X =	692.792,	5158.325,	0.0,	0.0	!	!END!
3138	!	X =	692.842,	5158.325,	0.0,	0.0	!	!END!
3139	!	X =	692.892,	5158.325,	0.0,	0.0	!	!END!
3140	!	X =	692.942,	5158.325,	0.0,	0.0	!	!END!
3141	!	X =	692.992,	5158.325,	0.0,	0.0	!	!END!
3142	!	X =	693.042,	5158.325,	0.0,	0.0	!	!END!
3143	!	X =	693.092,	5158.325,	0.0,	0.0	!	!END!
3144	!	X =	693.142,	5158.325,	0.0,	0.0	!	!END!
3145	!	X =	693.192,	5158.325,	0.0,	0.0	!	!END!
3146	!	X =	693.242,	5158.325,	0.0,	0.0	!	!END!
3147	!	X =	693.292,	5158.325,	0.0,	0.0	!	!END!
3148	!	X =	693.342,	5158.325,	0.0,	0.0	!	!END!
3149	!	X =	693.392,	5158.325,	0.0,	0.0	!	!END!
3150	!	X =	693.442,	5158.325,	0.0,	0.0	!	!END!
3151	!	X =	693.492,	5158.325,	0.0,	0.0	!	!END!
3152	!	X =	692.492,	5158.375,	0.0,	0.0	!	!END!
3153	!	X =	692.542,	5158.375,	0.0,	0.0	!	!END!
3154	!	X =	692.592,	5158.375,	0.0,	0.0	!	!END!
3155	!	X =	692.642,	5158.375,	0.0,	0.0	!	!END!
3156	!	X =	692.692,	5158.375,	0.0,	0.0	!	!END!
3157	!	X =	692.742,	5158.375,	0.0,	0.0	!	!END!
3158	!	X =	692.792,	5158.375,	0.0,	0.0	!	!END!
3159	!	X =	692.842,	5158.375,	0.0,	0.0	!	!END!
3160	!	X =	692.892,	5158.375,	0.0,	0.0	!	!END!
3161	!	X =	692.942,	5158.375,	0.0,	0.0	!	!END!
3162	!	X =	692.992,	5158.375,	0.0,	0.0	!	!END!
3163	!	X =	693.042,	5158.375,	0.0,	0.0	!	!END!
3164	!	X =	693.092,	5158.375,	0.0,	0.0	!	!END!
3165	!	X =	693.142,	5158.375,	0.0,	0.0	!	!END!
3166	!	X =	693.192,	5158.375,	0.0,	0.0	!	!END!
3167	!	X =	693.242,	5158.375,	0.0,	0.0	!	!END!
3168	!	X =	693.292,	5158.375,	0.0,	0.0	!	!END!
3169	!	X =	693.342,	5158.375,	0.0,	0.0	!	!END!
3170	!	X =	693.392,	5158.375,	0.0,	0.0	!	!END!
3171	!	X =	693.442,	5158.375,	0.0,	0.0	!	!END!
3172	!	X =	693.492,	5158.375,	0.0,	0.0	!	!END!
3173	!	X =	692.492,	5158.425,	0.0,	0.0	!	!END!
3174	!	X =	692.542,	5158.425,	0.0,	0.0	!	!END!

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3175	!	X =	692.592,	5158.425,	0.0,	0.0	!	!END!
3176	!	X =	692.642,	5158.425,	0.0,	0.0	!	!END!
3177	!	X =	692.692,	5158.425,	0.0,	0.0	!	!END!
3178	!	X =	692.742,	5158.425,	0.0,	0.0	!	!END!
3179	!	X =	692.792,	5158.425,	0.0,	0.0	!	!END!
3180	!	X =	692.842,	5158.425,	0.0,	0.0	!	!END!
3181	!	X =	692.892,	5158.425,	0.0,	0.0	!	!END!
3182	!	X =	692.942,	5158.425,	0.0,	0.0	!	!END!
3183	!	X =	692.992,	5158.425,	0.0,	0.0	!	!END!
3184	!	X =	693.042,	5158.425,	0.0,	0.0	!	!END!
3185	!	X =	693.092,	5158.425,	0.0,	0.0	!	!END!
3186	!	X =	693.142,	5158.425,	0.0,	0.0	!	!END!
3187	!	X =	693.192,	5158.425,	0.0,	0.0	!	!END!
3188	!	X =	693.242,	5158.425,	0.0,	0.0	!	!END!
3189	!	X =	693.292,	5158.425,	0.0,	0.0	!	!END!
3190	!	X =	693.342,	5158.425,	0.0,	0.0	!	!END!
3191	!	X =	693.392,	5158.425,	0.0,	0.0	!	!END!
3192	!	X =	693.442,	5158.425,	0.0,	0.0	!	!END!
3193	!	X =	693.492,	5158.425,	0.0,	0.0	!	!END!
3194	!	X =	692.492,	5158.475,	0.0,	0.0	!	!END!
3195	!	X =	692.542,	5158.475,	0.0,	0.0	!	!END!
3196	!	X =	692.592,	5158.475,	0.0,	0.0	!	!END!
3197	!	X =	692.642,	5158.475,	0.0,	0.0	!	!END!
3198	!	X =	692.692,	5158.475,	0.0,	0.0	!	!END!
3199	!	X =	692.742,	5158.475,	0.0,	0.0	!	!END!
3200	!	X =	692.792,	5158.475,	0.0,	0.0	!	!END!
3201	!	X =	692.842,	5158.475,	0.0,	0.0	!	!END!
3202	!	X =	692.892,	5158.475,	0.0,	0.0	!	!END!
3203	!	X =	692.942,	5158.475,	0.0,	0.0	!	!END!
3204	!	X =	692.992,	5158.475,	0.0,	0.0	!	!END!
3205	!	X =	693.042,	5158.475,	0.0,	0.0	!	!END!
3206	!	X =	693.092,	5158.475,	0.0,	0.0	!	!END!
3207	!	X =	693.142,	5158.475,	0.0,	0.0	!	!END!
3208	!	X =	693.192,	5158.475,	0.0,	0.0	!	!END!
3209	!	X =	693.242,	5158.475,	0.0,	0.0	!	!END!
3210	!	X =	693.292,	5158.475,	0.0,	0.0	!	!END!
3211	!	X =	693.342,	5158.475,	0.0,	0.0	!	!END!
3212	!	X =	693.392,	5158.475,	0.0,	0.0	!	!END!
3213	!	X =	693.442,	5158.475,	0.0,	0.0	!	!END!
3214	!	X =	693.492,	5158.475,	0.0,	0.0	!	!END!
3215	!	X =	692.492,	5158.525,	0.0,	0.0	!	!END!
3216	!	X =	692.542,	5158.525,	0.0,	0.0	!	!END!
3217	!	X =	692.592,	5158.525,	0.0,	0.0	!	!END!
3218	!	X =	692.792,	5158.625,	0.0,	0.0	!	!END!
3219	!	X =	692.842,	5158.625,	0.0,	0.0	!	!END!
3220	!	X =	692.892,	5158.625,	0.0,	0.0	!	!END!
3221	!	X =	692.942,	5158.625,	0.0,	0.0	!	!END!
3222	!	X =	692.992,	5158.625,	0.0,	0.0	!	!END!
3223	!	X =	693.042,	5158.625,	0.0,	0.0	!	!END!
3224	!	X =	693.092,	5158.625,	0.0,	0.0	!	!END!
3225	!	X =	693.142,	5158.625,	0.0,	0.0	!	!END!
3226	!	X =	693.192,	5158.625,	0.0,	0.0	!	!END!
3227	!	X =	693.242,	5158.625,	0.0,	0.0	!	!END!
3228	!	X =	693.292,	5158.625,	0.0,	0.0	!	!END!
3229	!	X =	693.342,	5158.625,	0.0,	0.0	!	!END!
3230	!	X =	693.392,	5158.625,	0.0,	0.0	!	!END!
3231	!	X =	693.442,	5158.625,	0.0,	0.0	!	!END!
3232	!	X =	693.492,	5158.625,	0.0,	0.0	!	!END!
3233	!	X =	692.492,	5158.675,	0.0,	0.0	!	!END!
3234	!	X =	692.542,	5158.675,	0.0,	0.0	!	!END!
3235	!	X =	692.592,	5158.675,	0.0,	0.0	!	!END!
3236	!	X =	692.642,	5158.675,	0.0,	0.0	!	!END!
3237	!	X =	692.692,	5158.675,	0.0,	0.0	!	!END!

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3238	!	X =	692.742,	5158.675,	0.0,	0.0	!	!END!
3239	!	X =	692.792,	5158.675,	0.0,	0.0	!	!END!
3240	!	X =	692.842,	5158.675,	0.0,	0.0	!	!END!
3241	!	X =	692.892,	5158.675,	0.0,	0.0	!	!END!
3242	!	X =	692.642,	5158.525,	0.0,	0.0	!	!END!
3243	!	X =	692.692,	5158.525,	0.0,	0.0	!	!END!
3244	!	X =	692.742,	5158.525,	0.0,	0.0	!	!END!
3245	!	X =	692.792,	5158.525,	0.0,	0.0	!	!END!
3246	!	X =	692.842,	5158.525,	0.0,	0.0	!	!END!
3247	!	X =	692.892,	5158.525,	0.0,	0.0	!	!END!
3248	!	X =	692.942,	5158.525,	0.0,	0.0	!	!END!
3249	!	X =	693.042,	5158.525,	0.0,	0.0	!	!END!
3250	!	X =	693.092,	5158.525,	0.0,	0.0	!	!END!
3251	!	X =	693.142,	5158.525,	0.0,	0.0	!	!END!
3252	!	X =	693.192,	5158.525,	0.0,	0.0	!	!END!
3253	!	X =	693.242,	5158.525,	0.0,	0.0	!	!END!
3254	!	X =	693.292,	5158.525,	0.0,	0.0	!	!END!
3255	!	X =	693.342,	5158.525,	0.0,	0.0	!	!END!
3256	!	X =	693.392,	5158.525,	0.0,	0.0	!	!END!
3257	!	X =	693.442,	5158.525,	0.0,	0.0	!	!END!
3258	!	X =	693.492,	5158.525,	0.0,	0.0	!	!END!
3259	!	X =	692.492,	5158.575,	0.0,	0.0	!	!END!
3260	!	X =	692.542,	5158.575,	0.0,	0.0	!	!END!
3261	!	X =	692.592,	5158.575,	0.0,	0.0	!	!END!
3262	!	X =	692.642,	5158.575,	0.0,	0.0	!	!END!
3263	!	X =	692.692,	5158.575,	0.0,	0.0	!	!END!
3264	!	X =	692.742,	5158.575,	0.0,	0.0	!	!END!
3265	!	X =	692.792,	5158.575,	0.0,	0.0	!	!END!
3266	!	X =	692.842,	5158.575,	0.0,	0.0	!	!END!
3267	!	X =	692.892,	5158.575,	0.0,	0.0	!	!END!
3268	!	X =	692.942,	5158.575,	0.0,	0.0	!	!END!
3269	!	X =	692.992,	5158.575,	0.0,	0.0	!	!END!
3270	!	X =	693.042,	5158.575,	0.0,	0.0	!	!END!
3271	!	X =	693.092,	5158.575,	0.0,	0.0	!	!END!
3272	!	X =	693.142,	5158.575,	0.0,	0.0	!	!END!
3273	!	X =	693.192,	5158.575,	0.0,	0.0	!	!END!
3274	!	X =	693.242,	5158.575,	0.0,	0.0	!	!END!
3275	!	X =	693.292,	5158.575,	0.0,	0.0	!	!END!
3276	!	X =	693.342,	5158.575,	0.0,	0.0	!	!END!
3277	!	X =	693.392,	5158.575,	0.0,	0.0	!	!END!
3278	!	X =	693.442,	5158.575,	0.0,	0.0	!	!END!
3279	!	X =	693.492,	5158.575,	0.0,	0.0	!	!END!
3280	!	X =	692.492,	5158.625,	0.0,	0.0	!	!END!
3281	!	X =	692.542,	5158.625,	0.0,	0.0	!	!END!
3282	!	X =	692.592,	5158.625,	0.0,	0.0	!	!END!
3283	!	X =	692.642,	5158.625,	0.0,	0.0	!	!END!
3284	!	X =	692.692,	5158.625,	0.0,	0.0	!	!END!
3285	!	X =	692.742,	5158.625,	0.0,	0.0	!	!END!
3286	!	X =	692.792,	5158.625,	0.0,	0.0	!	!END!
3287	!	X =	692.842,	5158.625,	0.0,	0.0	!	!END!
3288	!	X =	692.892,	5158.625,	0.0,	0.0	!	!END!
3289	!	X =	692.942,	5158.625,	0.0,	0.0	!	!END!
3290	!	X =	692.992,	5158.625,	0.0,	0.0	!	!END!
3291	!	X =	693.042,	5158.625,	0.0,	0.0	!	!END!
3292	!	X =	693.092,	5158.625,	0.0,	0.0	!	!END!
3293	!	X =	693.142,	5158.625,	0.0,	0.0	!	!END!
3294	!	X =	693.192,	5158.625,	0.0,	0.0	!	!END!
3295	!	X =	693.242,	5158.625,	0.0,	0.0	!	!END!
3296	!	X =	693.292,	5158.625,	0.0,	0.0	!	!END!
3297	!	X =	693.342,	5158.625,	0.0,	0.0	!	!END!
3298	!	X =	693.392,	5158.625,	0.0,	0.0	!	!END!
3299	!	X =	693.442,	5158.625,	0.0,	0.0	!	!END!
3300	!	X =	693.492,	5158.625,	0.0,	0.0	!	!END!

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3301	!	X =	692.492,	5158.675,	0.0,	0.0	!	!END!
3302	!	X =	692.542,	5158.675,	0.0,	0.0	!	!END!
3303	!	X =	692.592,	5158.675,	0.0,	0.0	!	!END!
3304	!	X =	692.642,	5158.675,	0.0,	0.0	!	!END!
3305	!	X =	692.692,	5158.675,	0.0,	0.0	!	!END!
3306	!	X =	692.742,	5158.675,	0.0,	0.0	!	!END!
3307	!	X =	692.792,	5158.675,	0.0,	0.0	!	!END!
3308	!	X =	692.842,	5158.675,	0.0,	0.0	!	!END!
3309	!	X =	692.892,	5158.675,	0.0,	0.0	!	!END!
3310	!	X =	692.942,	5158.675,	0.0,	0.0	!	!END!
3311	!	X =	692.992,	5158.675,	0.0,	0.0	!	!END!
3312	!	X =	693.042,	5158.675,	0.0,	0.0	!	!END!
3313	!	X =	693.092,	5158.675,	0.0,	0.0	!	!END!
3314	!	X =	693.142,	5158.675,	0.0,	0.0	!	!END!
3315	!	X =	693.192,	5158.675,	0.0,	0.0	!	!END!
3316	!	X =	693.242,	5158.675,	0.0,	0.0	!	!END!
3317	!	X =	693.292,	5158.675,	0.0,	0.0	!	!END!
3318	!	X =	693.342,	5158.675,	0.0,	0.0	!	!END!
3319	!	X =	693.392,	5158.675,	0.0,	0.0	!	!END!
3320	!	X =	693.442,	5158.675,	0.0,	0.0	!	!END!
3321	!	X =	693.492,	5158.675,	0.0,	0.0	!	!END!
3322	!	X =	692.492,	5158.725,	0.0,	0.0	!	!END!
3323	!	X =	692.542,	5158.725,	0.0,	0.0	!	!END!
3324	!	X =	692.592,	5158.725,	0.0,	0.0	!	!END!
3325	!	X =	692.642,	5158.725,	0.0,	0.0	!	!END!
3326	!	X =	692.692,	5158.725,	0.0,	0.0	!	!END!
3327	!	X =	692.742,	5158.725,	0.0,	0.0	!	!END!
3328	!	X =	692.792,	5158.725,	0.0,	0.0	!	!END!
3329	!	X =	692.842,	5158.725,	0.0,	0.0	!	!END!
3330	!	X =	692.892,	5158.725,	0.0,	0.0	!	!END!
3331	!	X =	692.942,	5158.725,	0.0,	0.0	!	!END!
3332	!	X =	692.992,	5158.725,	0.0,	0.0	!	!END!
3333	!	X =	693.042,	5158.725,	0.0,	0.0	!	!END!
3334	!	X =	693.092,	5158.725,	0.0,	0.0	!	!END!
3335	!	X =	693.142,	5158.725,	0.0,	0.0	!	!END!
3336	!	X =	693.192,	5158.725,	0.0,	0.0	!	!END!
3337	!	X =	693.242,	5158.725,	0.0,	0.0	!	!END!
3338	!	X =	693.292,	5158.725,	0.0,	0.0	!	!END!
3339	!	X =	693.342,	5158.725,	0.0,	0.0	!	!END!
3340	!	X =	693.392,	5158.725,	0.0,	0.0	!	!END!
3341	!	X =	693.442,	5158.725,	0.0,	0.0	!	!END!
3342	!	X =	693.492,	5158.725,	0.0,	0.0	!	!END!
3343	!	X =	692.492,	5158.775,	0.0,	0.0	!	!END!
3344	!	X =	692.542,	5158.775,	0.0,	0.0	!	!END!
3345	!	X =	692.592,	5158.775,	0.0,	0.0	!	!END!
3346	!	X =	692.642,	5158.775,	0.0,	0.0	!	!END!
3347	!	X =	692.692,	5158.775,	0.0,	0.0	!	!END!
3348	!	X =	692.742,	5158.775,	0.0,	0.0	!	!END!
3349	!	X =	692.792,	5158.775,	0.0,	0.0	!	!END!
3350	!	X =	692.842,	5158.775,	0.0,	0.0	!	!END!
3351	!	X =	692.892,	5158.775,	0.0,	0.0	!	!END!
3352	!	X =	692.942,	5158.775,	0.0,	0.0	!	!END!
3353	!	X =	692.992,	5158.775,	0.0,	0.0	!	!END!
3354	!	X =	693.042,	5158.775,	0.0,	0.0	!	!END!
3355	!	X =	693.092,	5158.775,	0.0,	0.0	!	!END!
3356	!	X =	693.142,	5158.775,	0.0,	0.0	!	!END!
3357	!	X =	693.192,	5158.775,	0.0,	0.0	!	!END!
3358	!	X =	693.242,	5158.775,	0.0,	0.0	!	!END!
3359	!	X =	693.292,	5158.775,	0.0,	0.0	!	!END!
3360	!	X =	693.342,	5158.775,	0.0,	0.0	!	!END!
3361	!	X =	693.392,	5158.775,	0.0,	0.0	!	!END!
3362	!	X =	693.442,	5158.775,	0.0,	0.0	!	!END!
3363	!	X =	693.492,	5158.775,	0.0,	0.0	!	!END!

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3364	!	X =	692.492,	5158.825,	0.0,	0.0	!	!END!
3365	!	X =	692.542,	5158.825,	0.0,	0.0	!	!END!
3366	!	X =	692.592,	5158.825,	0.0,	0.0	!	!END!
3367	!	X =	692.642,	5158.825,	0.0,	0.0	!	!END!
3368	!	X =	692.692,	5158.825,	0.0,	0.0	!	!END!
3369	!	X =	692.742,	5158.825,	0.0,	0.0	!	!END!
3370	!	X =	692.792,	5158.825,	0.0,	0.0	!	!END!
3371	!	X =	692.842,	5158.825,	0.0,	0.0	!	!END!
3372	!	X =	692.892,	5158.825,	0.0,	0.0	!	!END!
3373	!	X =	692.942,	5158.825,	0.0,	0.0	!	!END!
3374	!	X =	692.992,	5158.825,	0.0,	0.0	!	!END!
3375	!	X =	693.042,	5158.825,	0.0,	0.0	!	!END!
3376	!	X =	693.092,	5158.825,	0.0,	0.0	!	!END!
3377	!	X =	693.142,	5158.825,	0.0,	0.0	!	!END!
3378	!	X =	693.192,	5158.825,	0.0,	0.0	!	!END!
3379	!	X =	693.242,	5158.825,	0.0,	0.0	!	!END!
3380	!	X =	693.292,	5158.825,	0.0,	0.0	!	!END!
3381	!	X =	693.342,	5158.825,	0.0,	0.0	!	!END!
3382	!	X =	693.392,	5158.825,	0.0,	0.0	!	!END!
3383	!	X =	693.442,	5158.825,	0.0,	0.0	!	!END!
3384	!	X =	693.492,	5158.825,	0.0,	0.0	!	!END!
3385	!	X =	692.492,	5158.875,	0.0,	0.0	!	!END!
3386	!	X =	692.542,	5158.875,	0.0,	0.0	!	!END!
3387	!	X =	692.592,	5158.875,	0.0,	0.0	!	!END!
3388	!	X =	692.642,	5158.875,	0.0,	0.0	!	!END!
3389	!	X =	692.692,	5158.875,	0.0,	0.0	!	!END!
3390	!	X =	692.742,	5158.875,	0.0,	0.0	!	!END!
3391	!	X =	692.792,	5158.875,	0.0,	0.0	!	!END!
3392	!	X =	692.842,	5158.875,	0.0,	0.0	!	!END!
3393	!	X =	692.892,	5158.875,	0.0,	0.0	!	!END!
3394	!	X =	692.942,	5158.875,	0.0,	0.0	!	!END!
3395	!	X =	692.992,	5158.875,	0.0,	0.0	!	!END!
3396	!	X =	693.042,	5158.875,	0.0,	0.0	!	!END!
3397	!	X =	693.092,	5158.875,	0.0,	0.0	!	!END!
3398	!	X =	693.142,	5158.875,	0.0,	0.0	!	!END!
3399	!	X =	693.192,	5158.875,	0.0,	0.0	!	!END!
3400	!	X =	693.242,	5158.875,	0.0,	0.0	!	!END!
3401	!	X =	693.292,	5158.875,	0.0,	0.0	!	!END!
3402	!	X =	693.342,	5158.875,	0.0,	0.0	!	!END!
3403	!	X =	693.392,	5158.875,	0.0,	0.0	!	!END!
3404	!	X =	693.442,	5158.875,	0.0,	0.0	!	!END!
3405	!	X =	693.492,	5158.875,	0.0,	0.0	!	!END!
3406	!	X =	692.492,	5158.925,	0.0,	0.0	!	!END!
3407	!	X =	692.542,	5158.925,	0.0,	0.0	!	!END!
3408	!	X =	692.592,	5158.925,	0.0,	0.0	!	!END!
3409	!	X =	692.642,	5158.925,	0.0,	0.0	!	!END!
3410	!	X =	692.692,	5158.925,	0.0,	0.0	!	!END!
3411	!	X =	692.742,	5158.925,	0.0,	0.0	!	!END!
3412	!	X =	692.792,	5158.925,	0.0,	0.0	!	!END!
3413	!	X =	692.842,	5158.925,	0.0,	0.0	!	!END!
3414	!	X =	692.892,	5158.925,	0.0,	0.0	!	!END!
3415	!	X =	692.942,	5158.925,	0.0,	0.0	!	!END!
3416	!	X =	692.992,	5158.925,	0.0,	0.0	!	!END!
3417	!	X =	693.042,	5158.925,	0.0,	0.0	!	!END!
3418	!	X =	693.092,	5158.925,	0.0,	0.0	!	!END!
3419	!	X =	693.142,	5158.925,	0.0,	0.0	!	!END!
3420	!	X =	693.192,	5158.925,	0.0,	0.0	!	!END!
3421	!	X =	693.242,	5158.925,	0.0,	0.0	!	!END!
3422	!	X =	693.292,	5158.925,	0.0,	0.0	!	!END!
3423	!	X =	693.342,	5158.925,	0.0,	0.0	!	!END!
3424	!	X =	693.392,	5158.925,	0.0,	0.0	!	!END!
3425	!	X =	693.442,	5158.925,	0.0,	0.0	!	!END!
3426	!	X =	693.492,	5158.925,	0.0,	0.0	!	!END!

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3427	!	X =	692.492,	5158.975,	0.0,	0.0	!	!END!
3428	!	X =	692.542,	5158.975,	0.0,	0.0	!	!END!
3429	!	X =	692.592,	5158.975,	0.0,	0.0	!	!END!
3430	!	X =	692.642,	5158.975,	0.0,	0.0	!	!END!
3431	!	X =	692.692,	5158.975,	0.0,	0.0	!	!END!
3432	!	X =	692.742,	5158.975,	0.0,	0.0	!	!END!
3433	!	X =	692.792,	5158.975,	0.0,	0.0	!	!END!
3434	!	X =	692.842,	5158.975,	0.0,	0.0	!	!END!
3435	!	X =	692.892,	5158.975,	0.0,	0.0	!	!END!
3436	!	X =	692.942,	5158.975,	0.0,	0.0	!	!END!
3437	!	X =	692.992,	5158.975,	0.0,	0.0	!	!END!
3438	!	X =	693.042,	5158.975,	0.0,	0.0	!	!END!
3439	!	X =	693.092,	5158.975,	0.0,	0.0	!	!END!
3440	!	X =	693.142,	5158.975,	0.0,	0.0	!	!END!
3441	!	X =	693.192,	5158.975,	0.0,	0.0	!	!END!
3442	!	X =	693.242,	5158.975,	0.0,	0.0	!	!END!
3443	!	X =	693.292,	5158.975,	0.0,	0.0	!	!END!
3444	!	X =	693.342,	5158.975,	0.0,	0.0	!	!END!
3445	!	X =	693.392,	5158.975,	0.0,	0.0	!	!END!
3446	!	X =	693.442,	5158.975,	0.0,	0.0	!	!END!
3447	!	X =	693.492,	5158.975,	0.0,	0.0	!	!END!
3448	!	X =	692.492,	5159.025,	0.0,	0.0	!	!END!
3449	!	X =	692.542,	5159.025,	0.0,	0.0	!	!END!
3450	!	X =	692.592,	5159.025,	0.0,	0.0	!	!END!
3451	!	X =	692.642,	5159.025,	0.0,	0.0	!	!END!
3452	!	X =	692.692,	5159.025,	0.0,	0.0	!	!END!
3453	!	X =	692.742,	5159.025,	0.0,	0.0	!	!END!
3454	!	X =	692.792,	5159.025,	0.0,	0.0	!	!END!
3455	!	X =	692.842,	5159.025,	0.0,	0.0	!	!END!
3456	!	X =	692.892,	5159.025,	0.0,	0.0	!	!END!
3457	!	X =	692.942,	5159.025,	0.0,	0.0	!	!END!
3458	!	X =	692.992,	5159.025,	0.0,	0.0	!	!END!
3459	!	X =	693.042,	5159.025,	0.0,	0.0	!	!END!
3460	!	X =	693.092,	5159.025,	0.0,	0.0	!	!END!
3461	!	X =	693.142,	5159.025,	0.0,	0.0	!	!END!
3462	!	X =	693.192,	5159.025,	0.0,	0.0	!	!END!
3463	!	X =	693.242,	5159.025,	0.0,	0.0	!	!END!
3464	!	X =	693.292,	5159.025,	0.0,	0.0	!	!END!
3465	!	X =	693.342,	5159.025,	0.0,	0.0	!	!END!
3466	!	X =	693.392,	5159.025,	0.0,	0.0	!	!END!
3467	!	X =	693.442,	5159.025,	0.0,	0.0	!	!END!
3468	!	X =	693.492,	5159.025,	0.0,	0.0	!	!END!
3469	!	X =	691.992,	5157.525,	0.0,	0.0	!	!END!
3470	!	X =	692.092,	5157.525,	0.0,	0.0	!	!END!
3471	!	X =	692.192,	5157.525,	0.0,	0.0	!	!END!
3472	!	X =	692.292,	5157.525,	0.0,	0.0	!	!END!
3473	!	X =	692.392,	5157.525,	0.0,	0.0	!	!END!
3474	!	X =	692.492,	5157.525,	0.0,	0.0	!	!END!
3475	!	X =	692.592,	5157.525,	0.0,	0.0	!	!END!
3476	!	X =	692.692,	5157.525,	0.0,	0.0	!	!END!
3477	!	X =	692.792,	5157.525,	0.0,	0.0	!	!END!
3478	!	X =	692.892,	5157.525,	0.0,	0.0	!	!END!
3479	!	X =	692.992,	5157.525,	0.0,	0.0	!	!END!
3480	!	X =	693.092,	5157.525,	0.0,	0.0	!	!END!
3481	!	X =	693.192,	5157.525,	0.0,	0.0	!	!END!
3482	!	X =	693.292,	5157.525,	0.0,	0.0	!	!END!
3483	!	X =	693.392,	5157.525,	0.0,	0.0	!	!END!
3484	!	X =	693.492,	5157.525,	0.0,	0.0	!	!END!
3485	!	X =	693.592,	5157.525,	0.0,	0.0	!	!END!
3486	!	X =	693.692,	5157.525,	0.0,	0.0	!	!END!
3487	!	X =	693.792,	5157.525,	0.0,	0.0	!	!END!
3488	!	X =	693.892,	5157.525,	0.0,	0.0	!	!END!
3489	!	X =	693.992,	5157.525,	0.0,	0.0	!	!END!

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3490	!	X =	691.992,	5157.625,	0.0,	0.0	!	!END!
3491	!	X =	692.092,	5157.625,	0.0,	0.0	!	!END!
3492	!	X =	692.192,	5157.625,	0.0,	0.0	!	!END!
3493	!	X =	692.292,	5157.625,	0.0,	0.0	!	!END!
3494	!	X =	692.392,	5157.625,	0.0,	0.0	!	!END!
3495	!	X =	692.492,	5157.625,	0.0,	0.0	!	!END!
3496	!	X =	692.592,	5157.625,	0.0,	0.0	!	!END!
3497	!	X =	692.692,	5157.625,	0.0,	0.0	!	!END!
3498	!	X =	692.792,	5157.625,	0.0,	0.0	!	!END!
3499	!	X =	692.892,	5157.625,	0.0,	0.0	!	!END!
3500	!	X =	692.992,	5157.625,	0.0,	0.0	!	!END!
3501	!	X =	693.092,	5157.625,	0.0,	0.0	!	!END!
3502	!	X =	693.192,	5157.625,	0.0,	0.0	!	!END!
3503	!	X =	693.292,	5157.625,	0.0,	0.0	!	!END!
3504	!	X =	693.392,	5157.625,	0.0,	0.0	!	!END!
3505	!	X =	693.492,	5157.625,	0.0,	0.0	!	!END!
3506	!	X =	693.592,	5157.625,	0.0,	0.0	!	!END!
3507	!	X =	693.692,	5157.625,	0.0,	0.0	!	!END!
3508	!	X =	693.792,	5157.625,	0.0,	0.0	!	!END!
3509	!	X =	693.892,	5157.625,	0.0,	0.0	!	!END!
3510	!	X =	693.992,	5157.625,	0.0,	0.0	!	!END!
3511	!	X =	691.992,	5157.725,	0.0,	0.0	!	!END!
3512	!	X =	692.092,	5157.725,	0.0,	0.0	!	!END!
3513	!	X =	692.192,	5157.725,	0.0,	0.0	!	!END!
3514	!	X =	692.292,	5157.725,	0.0,	0.0	!	!END!
3515	!	X =	692.392,	5157.725,	0.0,	0.0	!	!END!
3516	!	X =	692.492,	5157.725,	0.0,	0.0	!	!END!
3517	!	X =	692.592,	5157.725,	0.0,	0.0	!	!END!
3518	!	X =	692.692,	5157.725,	0.0,	0.0	!	!END!
3519	!	X =	692.792,	5157.725,	0.0,	0.0	!	!END!
3520	!	X =	692.892,	5157.725,	0.0,	0.0	!	!END!
3521	!	X =	692.992,	5157.725,	0.0,	0.0	!	!END!
3522	!	X =	693.092,	5157.725,	0.0,	0.0	!	!END!
3523	!	X =	693.192,	5157.725,	0.0,	0.0	!	!END!
3524	!	X =	693.292,	5157.725,	0.0,	0.0	!	!END!
3525	!	X =	693.392,	5157.725,	0.0,	0.0	!	!END!
3526	!	X =	693.492,	5157.725,	0.0,	0.0	!	!END!
3527	!	X =	693.592,	5157.725,	0.0,	0.0	!	!END!
3528	!	X =	693.692,	5157.725,	0.0,	0.0	!	!END!
3529	!	X =	693.792,	5157.725,	0.0,	0.0	!	!END!
3530	!	X =	693.892,	5157.725,	0.0,	0.0	!	!END!
3531	!	X =	693.992,	5157.725,	0.0,	0.0	!	!END!
3532	!	X =	691.992,	5157.825,	0.0,	0.0	!	!END!
3533	!	X =	692.092,	5157.825,	0.0,	0.0	!	!END!
3534	!	X =	692.192,	5157.825,	0.0,	0.0	!	!END!
3535	!	X =	692.292,	5157.825,	0.0,	0.0	!	!END!
3536	!	X =	692.392,	5157.825,	0.0,	0.0	!	!END!
3537	!	X =	692.492,	5157.825,	0.0,	0.0	!	!END!
3538	!	X =	692.592,	5157.825,	0.0,	0.0	!	!END!
3539	!	X =	692.692,	5157.825,	0.0,	0.0	!	!END!
3540	!	X =	692.792,	5157.825,	0.0,	0.0	!	!END!
3541	!	X =	692.892,	5157.825,	0.0,	0.0	!	!END!
3542	!	X =	692.992,	5157.825,	0.0,	0.0	!	!END!
3543	!	X =	693.092,	5157.825,	0.0,	0.0	!	!END!
3544	!	X =	693.192,	5157.825,	0.0,	0.0	!	!END!
3545	!	X =	693.292,	5157.825,	0.0,	0.0	!	!END!
3546	!	X =	693.392,	5157.825,	0.0,	0.0	!	!END!
3547	!	X =	693.492,	5157.825,	0.0,	0.0	!	!END!
3548	!	X =	693.592,	5157.825,	0.0,	0.0	!	!END!
3549	!	X =	693.692,	5157.825,	0.0,	0.0	!	!END!
3550	!	X =	693.792,	5157.825,	0.0,	0.0	!	!END!
3551	!	X =	693.892,	5157.825,	0.0,	0.0	!	!END!
3552	!	X =	693.992,	5157.825,	0.0,	0.0	!	!END!

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3553	!	X =	691.992,	5157.925,	0.0,	0.0	!	!END!
3554	!	X =	692.092,	5157.925,	0.0,	0.0	!	!END!
3555	!	X =	692.192,	5157.925,	0.0,	0.0	!	!END!
3556	!	X =	692.292,	5157.925,	0.0,	0.0	!	!END!
3557	!	X =	692.392,	5157.925,	0.0,	0.0	!	!END!
3558	!	X =	692.492,	5157.925,	0.0,	0.0	!	!END!
3559	!	X =	692.592,	5157.925,	0.0,	0.0	!	!END!
3560	!	X =	692.692,	5157.925,	0.0,	0.0	!	!END!
3561	!	X =	692.792,	5157.925,	0.0,	0.0	!	!END!
3562	!	X =	692.892,	5157.925,	0.0,	0.0	!	!END!
3563	!	X =	692.992,	5157.925,	0.0,	0.0	!	!END!
3564	!	X =	693.092,	5157.925,	0.0,	0.0	!	!END!
3565	!	X =	693.192,	5157.925,	0.0,	0.0	!	!END!
3566	!	X =	693.292,	5157.925,	0.0,	0.0	!	!END!
3567	!	X =	693.392,	5157.925,	0.0,	0.0	!	!END!
3568	!	X =	693.492,	5157.925,	0.0,	0.0	!	!END!
3569	!	X =	693.592,	5157.925,	0.0,	0.0	!	!END!
3570	!	X =	693.692,	5157.925,	0.0,	0.0	!	!END!
3571	!	X =	693.792,	5157.925,	0.0,	0.0	!	!END!
3572	!	X =	693.892,	5157.925,	0.0,	0.0	!	!END!
3573	!	X =	693.992,	5157.925,	0.0,	0.0	!	!END!
3574	!	X =	691.992,	5158.025,	0.0,	0.0	!	!END!
3575	!	X =	692.092,	5158.025,	0.0,	0.0	!	!END!
3576	!	X =	692.192,	5158.025,	0.0,	0.0	!	!END!
3577	!	X =	692.292,	5158.025,	0.0,	0.0	!	!END!
3578	!	X =	692.392,	5158.025,	0.0,	0.0	!	!END!
3579	!	X =	693.592,	5158.025,	0.0,	0.0	!	!END!
3580	!	X =	693.692,	5158.025,	0.0,	0.0	!	!END!
3581	!	X =	693.792,	5158.025,	0.0,	0.0	!	!END!
3582	!	X =	693.892,	5158.025,	0.0,	0.0	!	!END!
3583	!	X =	693.992,	5158.025,	0.0,	0.0	!	!END!
3584	!	X =	691.992,	5158.125,	0.0,	0.0	!	!END!
3585	!	X =	692.092,	5158.125,	0.0,	0.0	!	!END!
3586	!	X =	692.192,	5158.125,	0.0,	0.0	!	!END!
3587	!	X =	692.292,	5158.125,	0.0,	0.0	!	!END!
3588	!	X =	692.392,	5158.125,	0.0,	0.0	!	!END!
3589	!	X =	693.592,	5158.125,	0.0,	0.0	!	!END!
3590	!	X =	693.692,	5158.125,	0.0,	0.0	!	!END!
3591	!	X =	693.792,	5158.125,	0.0,	0.0	!	!END!
3592	!	X =	693.892,	5158.125,	0.0,	0.0	!	!END!
3593	!	X =	693.992,	5158.125,	0.0,	0.0	!	!END!
3594	!	X =	691.992,	5158.225,	0.0,	0.0	!	!END!
3595	!	X =	692.092,	5158.225,	0.0,	0.0	!	!END!
3596	!	X =	692.192,	5158.225,	0.0,	0.0	!	!END!
3597	!	X =	692.292,	5158.225,	0.0,	0.0	!	!END!
3598	!	X =	692.392,	5158.225,	0.0,	0.0	!	!END!
3599	!	X =	693.592,	5158.225,	0.0,	0.0	!	!END!
3600	!	X =	693.692,	5158.225,	0.0,	0.0	!	!END!
3601	!	X =	693.792,	5158.225,	0.0,	0.0	!	!END!
3602	!	X =	693.892,	5158.225,	0.0,	0.0	!	!END!
3603	!	X =	693.992,	5158.225,	0.0,	0.0	!	!END!
3604	!	X =	691.992,	5158.325,	0.0,	0.0	!	!END!
3605	!	X =	692.092,	5158.325,	0.0,	0.0	!	!END!
3606	!	X =	692.192,	5158.325,	0.0,	0.0	!	!END!
3607	!	X =	692.292,	5158.325,	0.0,	0.0	!	!END!
3608	!	X =	692.392,	5158.325,	0.0,	0.0	!	!END!
3609	!	X =	693.592,	5158.325,	0.0,	0.0	!	!END!
3610	!	X =	693.692,	5158.325,	0.0,	0.0	!	!END!
3611	!	X =	693.792,	5158.325,	0.0,	0.0	!	!END!
3612	!	X =	693.892,	5158.325,	0.0,	0.0	!	!END!
3613	!	X =	693.992,	5158.325,	0.0,	0.0	!	!END!
3614	!	X =	691.992,	5158.425,	0.0,	0.0	!	!END!
3615	!	X =	692.092,	5158.425,	0.0,	0.0	!	!END!

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3679	!	X =	693.592,	5159.025,	0.0,	0.0	!	!END!
3680	!	X =	693.692,	5159.025,	0.0,	0.0	!	!END!
3681	!	X =	693.792,	5159.025,	0.0,	0.0	!	!END!
3682	!	X =	693.892,	5159.025,	0.0,	0.0	!	!END!
3683	!	X =	693.992,	5159.025,	0.0,	0.0	!	!END!
3684	!	X =	691.992,	5159.125,	0.0,	0.0	!	!END!
3685	!	X =	692.092,	5159.125,	0.0,	0.0	!	!END!
3686	!	X =	692.192,	5159.125,	0.0,	0.0	!	!END!
3687	!	X =	692.292,	5159.125,	0.0,	0.0	!	!END!
3688	!	X =	692.392,	5159.125,	0.0,	0.0	!	!END!
3689	!	X =	692.492,	5159.125,	0.0,	0.0	!	!END!
3690	!	X =	692.592,	5159.125,	0.0,	0.0	!	!END!
3691	!	X =	692.692,	5159.125,	0.0,	0.0	!	!END!
3692	!	X =	692.792,	5159.125,	0.0,	0.0	!	!END!
3693	!	X =	692.892,	5159.125,	0.0,	0.0	!	!END!
3694	!	X =	692.992,	5159.125,	0.0,	0.0	!	!END!
3695	!	X =	693.092,	5159.125,	0.0,	0.0	!	!END!
3696	!	X =	693.192,	5159.125,	0.0,	0.0	!	!END!
3697	!	X =	693.292,	5159.125,	0.0,	0.0	!	!END!
3698	!	X =	693.392,	5159.125,	0.0,	0.0	!	!END!
3699	!	X =	693.492,	5159.125,	0.0,	0.0	!	!END!
3700	!	X =	693.592,	5159.125,	0.0,	0.0	!	!END!
3701	!	X =	693.692,	5159.125,	0.0,	0.0	!	!END!
3702	!	X =	693.792,	5159.125,	0.0,	0.0	!	!END!
3703	!	X =	693.892,	5159.125,	0.0,	0.0	!	!END!
3704	!	X =	693.992,	5159.125,	0.0,	0.0	!	!END!
3705	!	X =	691.992,	5159.225,	0.0,	0.0	!	!END!
3706	!	X =	692.092,	5159.225,	0.0,	0.0	!	!END!
3707	!	X =	692.192,	5159.225,	0.0,	0.0	!	!END!
3708	!	X =	692.292,	5159.225,	0.0,	0.0	!	!END!
3709	!	X =	692.392,	5159.225,	0.0,	0.0	!	!END!
3710	!	X =	692.492,	5159.225,	0.0,	0.0	!	!END!
3711	!	X =	692.592,	5159.225,	0.0,	0.0	!	!END!
3712	!	X =	692.692,	5159.225,	0.0,	0.0	!	!END!
3713	!	X =	692.792,	5159.225,	0.0,	0.0	!	!END!
3714	!	X =	692.892,	5159.225,	0.0,	0.0	!	!END!
3715	!	X =	692.992,	5159.225,	0.0,	0.0	!	!END!
3716	!	X =	693.092,	5159.225,	0.0,	0.0	!	!END!
3717	!	X =	693.192,	5159.225,	0.0,	0.0	!	!END!
3718	!	X =	693.292,	5159.225,	0.0,	0.0	!	!END!
3719	!	X =	693.392,	5159.225,	0.0,	0.0	!	!END!
3720	!	X =	693.492,	5159.225,	0.0,	0.0	!	!END!
3721	!	X =	693.592,	5159.225,	0.0,	0.0	!	!END!
3722	!	X =	693.692,	5159.225,	0.0,	0.0	!	!END!
3723	!	X =	693.792,	5159.225,	0.0,	0.0	!	!END!
3724	!	X =	693.892,	5159.225,	0.0,	0.0	!	!END!
3725	!	X =	693.992,	5159.225,	0.0,	0.0	!	!END!
3726	!	X =	691.992,	5159.325,	0.0,	0.0	!	!END!
3727	!	X =	692.092,	5159.325,	0.0,	0.0	!	!END!
3728	!	X =	692.192,	5159.325,	0.0,	0.0	!	!END!
3729	!	X =	692.292,	5159.325,	0.0,	0.0	!	!END!
3730	!	X =	692.392,	5159.325,	0.0,	0.0	!	!END!
3731	!	X =	692.492,	5159.325,	0.0,	0.0	!	!END!
3732	!	X =	692.592,	5159.325,	0.0,	0.0	!	!END!
3733	!	X =	692.692,	5159.325,	0.0,	0.0	!	!END!
3734	!	X =	692.792,	5159.325,	0.0,	0.0	!	!END!
3735	!	X =	692.892,	5159.325,	0.0,	0.0	!	!END!
3736	!	X =	692.992,	5159.325,	0.0,	0.0	!	!END!
3737	!	X =	693.092,	5159.325,	0.0,	0.0	!	!END!
3738	!	X =	693.192,	5159.325,	0.0,	0.0	!	!END!
3739	!	X =	693.292,	5159.325,	0.0,	0.0	!	!END!
3740	!	X =	693.392,	5159.325,	0.0,	0.0	!	!END!
3741	!	X =	693.492,	5159.325,	0.0,	0.0	!	!END!

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3742	!	X =	693.592,	5159.325,	0.0,	0.0	!	!END!
3743	!	X =	693.692,	5159.325,	0.0,	0.0	!	!END!
3744	!	X =	693.792,	5159.325,	0.0,	0.0	!	!END!
3745	!	X =	693.892,	5159.325,	0.0,	0.0	!	!END!
3746	!	X =	693.992,	5159.325,	0.0,	0.0	!	!END!
3747	!	X =	691.992,	5159.425,	0.0,	0.0	!	!END!
3748	!	X =	692.092,	5159.425,	0.0,	0.0	!	!END!
3749	!	X =	692.192,	5159.425,	0.0,	0.0	!	!END!
3750	!	X =	692.292,	5159.425,	0.0,	0.0	!	!END!
3751	!	X =	692.392,	5159.425,	0.0,	0.0	!	!END!
3752	!	X =	692.492,	5159.425,	0.0,	0.0	!	!END!
3753	!	X =	692.592,	5159.425,	0.0,	0.0	!	!END!
3754	!	X =	692.692,	5159.425,	0.0,	0.0	!	!END!
3755	!	X =	692.792,	5159.425,	0.0,	0.0	!	!END!
3756	!	X =	692.892,	5159.425,	0.0,	0.0	!	!END!
3757	!	X =	692.992,	5159.425,	0.0,	0.0	!	!END!
3758	!	X =	693.092,	5159.425,	0.0,	0.0	!	!END!
3759	!	X =	693.192,	5159.425,	0.0,	0.0	!	!END!
3760	!	X =	693.292,	5159.425,	0.0,	0.0	!	!END!
3761	!	X =	693.392,	5159.425,	0.0,	0.0	!	!END!
3762	!	X =	693.492,	5159.425,	0.0,	0.0	!	!END!
3763	!	X =	693.592,	5159.425,	0.0,	0.0	!	!END!
3764	!	X =	693.692,	5159.425,	0.0,	0.0	!	!END!
3765	!	X =	693.792,	5159.425,	0.0,	0.0	!	!END!
3766	!	X =	693.892,	5159.425,	0.0,	0.0	!	!END!
3767	!	X =	693.992,	5159.425,	0.0,	0.0	!	!END!
3768	!	X =	691.992,	5159.525,	0.0,	0.0	!	!END!
3769	!	X =	692.092,	5159.525,	0.0,	0.0	!	!END!
3770	!	X =	692.192,	5159.525,	0.0,	0.0	!	!END!
3771	!	X =	692.292,	5159.525,	0.0,	0.0	!	!END!
3772	!	X =	692.392,	5159.525,	0.0,	0.0	!	!END!
3773	!	X =	692.492,	5159.525,	0.0,	0.0	!	!END!
3774	!	X =	692.592,	5159.525,	0.0,	0.0	!	!END!
3775	!	X =	692.692,	5159.525,	0.0,	0.0	!	!END!
3776	!	X =	692.792,	5159.525,	0.0,	0.0	!	!END!
3777	!	X =	692.892,	5159.525,	0.0,	0.0	!	!END!
3778	!	X =	692.992,	5159.525,	0.0,	0.0	!	!END!
3779	!	X =	693.092,	5159.525,	0.0,	0.0	!	!END!
3780	!	X =	693.192,	5159.525,	0.0,	0.0	!	!END!
3781	!	X =	693.292,	5159.525,	0.0,	0.0	!	!END!
3782	!	X =	693.392,	5159.525,	0.0,	0.0	!	!END!
3783	!	X =	693.492,	5159.525,	0.0,	0.0	!	!END!
3784	!	X =	693.592,	5159.525,	0.0,	0.0	!	!END!
3785	!	X =	693.692,	5159.525,	0.0,	0.0	!	!END!
3786	!	X =	693.792,	5159.525,	0.0,	0.0	!	!END!
3787	!	X =	693.892,	5159.525,	0.0,	0.0	!	!END!
3788	!	X =	693.992,	5159.525,	0.0,	0.0	!	!END!
3789	!	X =	690.992,	5156.525,	0.0,	0.0	!	!END!
3790	!	X =	691.192,	5156.525,	0.0,	0.0	!	!END!
3791	!	X =	691.392,	5156.525,	0.0,	0.0	!	!END!
3792	!	X =	691.592,	5156.525,	0.0,	0.0	!	!END!
3793	!	X =	691.792,	5156.525,	0.0,	0.0	!	!END!
3794	!	X =	691.992,	5156.525,	0.0,	0.0	!	!END!
3795	!	X =	692.192,	5156.525,	0.0,	0.0	!	!END!
3796	!	X =	692.392,	5156.525,	0.0,	0.0	!	!END!
3797	!	X =	692.592,	5156.525,	0.0,	0.0	!	!END!
3798	!	X =	692.792,	5156.525,	0.0,	0.0	!	!END!
3799	!	X =	692.992,	5156.525,	0.0,	0.0	!	!END!
3800	!	X =	693.192,	5156.525,	0.0,	0.0	!	!END!
3801	!	X =	693.392,	5156.525,	0.0,	0.0	!	!END!
3802	!	X =	693.592,	5156.525,	0.0,	0.0	!	!END!
3803	!	X =	693.792,	5156.525,	0.0,	0.0	!	!END!
3804	!	X =	693.992,	5156.525,	0.0,	0.0	!	!END!

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3805	!	X =	694.192,	5156.525,	0.0,	0.0	!	!END!
3806	!	X =	694.392,	5156.525,	0.0,	0.0	!	!END!
3807	!	X =	694.592,	5156.525,	0.0,	0.0	!	!END!
3808	!	X =	694.792,	5156.525,	0.0,	0.0	!	!END!
3809	!	X =	694.992,	5156.525,	0.0,	0.0	!	!END!
3810	!	X =	690.992,	5156.725,	0.0,	0.0	!	!END!
3811	!	X =	691.192,	5156.725,	0.0,	0.0	!	!END!
3812	!	X =	691.392,	5156.725,	0.0,	0.0	!	!END!
3813	!	X =	691.592,	5156.725,	0.0,	0.0	!	!END!
3814	!	X =	691.792,	5156.725,	0.0,	0.0	!	!END!
3815	!	X =	691.992,	5156.725,	0.0,	0.0	!	!END!
3816	!	X =	692.192,	5156.725,	0.0,	0.0	!	!END!
3817	!	X =	692.392,	5156.725,	0.0,	0.0	!	!END!
3818	!	X =	692.592,	5156.725,	0.0,	0.0	!	!END!
3819	!	X =	692.792,	5156.725,	0.0,	0.0	!	!END!
3820	!	X =	692.992,	5156.725,	0.0,	0.0	!	!END!
3821	!	X =	693.192,	5156.725,	0.0,	0.0	!	!END!
3822	!	X =	693.392,	5156.725,	0.0,	0.0	!	!END!
3823	!	X =	693.592,	5156.725,	0.0,	0.0	!	!END!
3824	!	X =	693.792,	5156.725,	0.0,	0.0	!	!END!
3825	!	X =	693.992,	5156.725,	0.0,	0.0	!	!END!
3826	!	X =	694.192,	5156.725,	0.0,	0.0	!	!END!
3827	!	X =	694.392,	5156.725,	0.0,	0.0	!	!END!
3828	!	X =	694.592,	5156.725,	0.0,	0.0	!	!END!
3829	!	X =	694.792,	5156.725,	0.0,	0.0	!	!END!
3830	!	X =	694.992,	5156.725,	0.0,	0.0	!	!END!
3831	!	X =	690.992,	5156.925,	0.0,	0.0	!	!END!
3832	!	X =	691.192,	5156.925,	0.0,	0.0	!	!END!
3833	!	X =	691.392,	5156.925,	0.0,	0.0	!	!END!
3834	!	X =	691.592,	5156.925,	0.0,	0.0	!	!END!
3835	!	X =	691.792,	5156.925,	0.0,	0.0	!	!END!
3836	!	X =	691.992,	5156.925,	0.0,	0.0	!	!END!
3837	!	X =	692.192,	5156.925,	0.0,	0.0	!	!END!
3838	!	X =	692.392,	5156.925,	0.0,	0.0	!	!END!
3839	!	X =	692.592,	5156.925,	0.0,	0.0	!	!END!
3840	!	X =	692.792,	5156.925,	0.0,	0.0	!	!END!
3841	!	X =	692.992,	5156.925,	0.0,	0.0	!	!END!
3842	!	X =	693.192,	5156.925,	0.0,	0.0	!	!END!
3843	!	X =	693.392,	5156.925,	0.0,	0.0	!	!END!
3844	!	X =	693.592,	5156.925,	0.0,	0.0	!	!END!
3845	!	X =	693.792,	5156.925,	0.0,	0.0	!	!END!
3846	!	X =	693.992,	5156.925,	0.0,	0.0	!	!END!
3847	!	X =	694.192,	5156.925,	0.0,	0.0	!	!END!
3848	!	X =	694.392,	5156.925,	0.0,	0.0	!	!END!
3849	!	X =	694.592,	5156.925,	0.0,	0.0	!	!END!
3850	!	X =	694.792,	5156.925,	0.0,	0.0	!	!END!
3851	!	X =	694.992,	5156.925,	0.0,	0.0	!	!END!
3852	!	X =	690.992,	5157.125,	0.0,	0.0	!	!END!
3853	!	X =	691.192,	5157.125,	0.0,	0.0	!	!END!
3854	!	X =	691.392,	5157.125,	0.0,	0.0	!	!END!
3855	!	X =	691.592,	5157.125,	0.0,	0.0	!	!END!
3856	!	X =	691.792,	5157.125,	0.0,	0.0	!	!END!
3857	!	X =	691.992,	5157.125,	0.0,	0.0	!	!END!
3858	!	X =	692.192,	5157.125,	0.0,	0.0	!	!END!
3859	!	X =	692.392,	5157.125,	0.0,	0.0	!	!END!
3860	!	X =	692.592,	5157.125,	0.0,	0.0	!	!END!
3861	!	X =	692.792,	5157.125,	0.0,	0.0	!	!END!
3862	!	X =	692.992,	5157.125,	0.0,	0.0	!	!END!
3863	!	X =	693.192,	5157.125,	0.0,	0.0	!	!END!
3864	!	X =	693.392,	5157.125,	0.0,	0.0	!	!END!
3865	!	X =	693.592,	5157.125,	0.0,	0.0	!	!END!
3866	!	X =	693.792,	5157.125,	0.0,	0.0	!	!END!
3867	!	X =	693.992,	5157.125,	0.0,	0.0	!	!END!

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3868	!	X =	694.192,	5157.125,	0.0,	0.0	!	!END!
3869	!	X =	694.392,	5157.125,	0.0,	0.0	!	!END!
3870	!	X =	694.592,	5157.125,	0.0,	0.0	!	!END!
3871	!	X =	694.792,	5157.125,	0.0,	0.0	!	!END!
3872	!	X =	694.992,	5157.125,	0.0,	0.0	!	!END!
3873	!	X =	690.992,	5157.325,	0.0,	0.0	!	!END!
3874	!	X =	691.192,	5157.325,	0.0,	0.0	!	!END!
3875	!	X =	691.392,	5157.325,	0.0,	0.0	!	!END!
3876	!	X =	691.592,	5157.325,	0.0,	0.0	!	!END!
3877	!	X =	691.792,	5157.325,	0.0,	0.0	!	!END!
3878	!	X =	691.992,	5157.325,	0.0,	0.0	!	!END!
3879	!	X =	692.192,	5157.325,	0.0,	0.0	!	!END!
3880	!	X =	692.392,	5157.325,	0.0,	0.0	!	!END!
3881	!	X =	692.592,	5157.325,	0.0,	0.0	!	!END!
3882	!	X =	692.792,	5157.325,	0.0,	0.0	!	!END!
3883	!	X =	692.992,	5157.325,	0.0,	0.0	!	!END!
3884	!	X =	693.192,	5157.325,	0.0,	0.0	!	!END!
3885	!	X =	693.392,	5157.325,	0.0,	0.0	!	!END!
3886	!	X =	693.592,	5157.325,	0.0,	0.0	!	!END!
3887	!	X =	693.792,	5157.325,	0.0,	0.0	!	!END!
3888	!	X =	693.992,	5157.325,	0.0,	0.0	!	!END!
3889	!	X =	694.192,	5157.325,	0.0,	0.0	!	!END!
3890	!	X =	694.392,	5157.325,	0.0,	0.0	!	!END!
3891	!	X =	694.592,	5157.325,	0.0,	0.0	!	!END!
3892	!	X =	694.792,	5157.325,	0.0,	0.0	!	!END!
3893	!	X =	694.992,	5157.325,	0.0,	0.0	!	!END!
3894	!	X =	690.992,	5157.525,	0.0,	0.0	!	!END!
3895	!	X =	691.192,	5157.525,	0.0,	0.0	!	!END!
3896	!	X =	691.392,	5157.525,	0.0,	0.0	!	!END!
3897	!	X =	691.592,	5157.525,	0.0,	0.0	!	!END!
3898	!	X =	691.792,	5157.525,	0.0,	0.0	!	!END!
3899	!	X =	694.192,	5157.525,	0.0,	0.0	!	!END!
3900	!	X =	694.392,	5157.525,	0.0,	0.0	!	!END!
3901	!	X =	694.592,	5157.525,	0.0,	0.0	!	!END!
3902	!	X =	694.792,	5157.525,	0.0,	0.0	!	!END!
3903	!	X =	694.992,	5157.525,	0.0,	0.0	!	!END!
3904	!	X =	690.992,	5157.725,	0.0,	0.0	!	!END!
3905	!	X =	691.192,	5157.725,	0.0,	0.0	!	!END!
3906	!	X =	691.392,	5157.725,	0.0,	0.0	!	!END!
3907	!	X =	691.592,	5157.725,	0.0,	0.0	!	!END!
3908	!	X =	691.792,	5157.725,	0.0,	0.0	!	!END!
3909	!	X =	694.192,	5157.725,	0.0,	0.0	!	!END!
3910	!	X =	694.392,	5157.725,	0.0,	0.0	!	!END!
3911	!	X =	694.592,	5157.725,	0.0,	0.0	!	!END!
3912	!	X =	694.792,	5157.725,	0.0,	0.0	!	!END!
3913	!	X =	694.992,	5157.725,	0.0,	0.0	!	!END!
3914	!	X =	690.992,	5157.925,	0.0,	0.0	!	!END!
3915	!	X =	691.192,	5157.925,	0.0,	0.0	!	!END!
3916	!	X =	691.392,	5157.925,	0.0,	0.0	!	!END!
3917	!	X =	691.592,	5157.925,	0.0,	0.0	!	!END!
3918	!	X =	691.792,	5157.925,	0.0,	0.0	!	!END!
3919	!	X =	694.192,	5157.925,	0.0,	0.0	!	!END!
3920	!	X =	694.392,	5157.925,	0.0,	0.0	!	!END!
3921	!	X =	694.592,	5157.925,	0.0,	0.0	!	!END!
3922	!	X =	694.792,	5157.925,	0.0,	0.0	!	!END!
3923	!	X =	694.992,	5157.925,	0.0,	0.0	!	!END!
3924	!	X =	690.992,	5158.125,	0.0,	0.0	!	!END!
3925	!	X =	691.192,	5158.125,	0.0,	0.0	!	!END!
3926	!	X =	691.392,	5158.125,	0.0,	0.0	!	!END!
3927	!	X =	691.592,	5158.125,	0.0,	0.0	!	!END!
3928	!	X =	691.792,	5158.125,	0.0,	0.0	!	!END!
3929	!	X =	694.192,	5158.125,	0.0,	0.0	!	!END!
3930	!	X =	694.392,	5158.125,	0.0,	0.0	!	!END!

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3994	!	X =	690.992,	5159.525,	0.0,	0.0	!	!END!
3995	!	X =	691.192,	5159.525,	0.0,	0.0	!	!END!
3996	!	X =	691.392,	5159.525,	0.0,	0.0	!	!END!
3997	!	X =	691.592,	5159.525,	0.0,	0.0	!	!END!
3998	!	X =	691.792,	5159.525,	0.0,	0.0	!	!END!
3999	!	X =	694.192,	5159.525,	0.0,	0.0	!	!END!
4000	!	X =	694.392,	5159.525,	0.0,	0.0	!	!END!
4001	!	X =	694.592,	5159.525,	0.0,	0.0	!	!END!
4002	!	X =	694.792,	5159.525,	0.0,	0.0	!	!END!
4003	!	X =	694.992,	5159.525,	0.0,	0.0	!	!END!
4004	!	X =	690.992,	5159.725,	0.0,	0.0	!	!END!
4005	!	X =	691.192,	5159.725,	0.0,	0.0	!	!END!
4006	!	X =	691.392,	5159.725,	0.0,	0.0	!	!END!
4007	!	X =	691.592,	5159.725,	0.0,	0.0	!	!END!
4008	!	X =	691.792,	5159.725,	0.0,	0.0	!	!END!
4009	!	X =	691.992,	5159.725,	0.0,	0.0	!	!END!
4010	!	X =	692.192,	5159.725,	0.0,	0.0	!	!END!
4011	!	X =	692.392,	5159.725,	0.0,	0.0	!	!END!
4012	!	X =	692.592,	5159.725,	0.0,	0.0	!	!END!
4013	!	X =	692.792,	5159.725,	0.0,	0.0	!	!END!
4014	!	X =	692.992,	5159.725,	0.0,	0.0	!	!END!
4015	!	X =	693.192,	5159.725,	0.0,	0.0	!	!END!
4016	!	X =	693.392,	5159.725,	0.0,	0.0	!	!END!
4017	!	X =	693.592,	5159.725,	0.0,	0.0	!	!END!
4018	!	X =	693.792,	5159.725,	0.0,	0.0	!	!END!
4019	!	X =	693.992,	5159.725,	0.0,	0.0	!	!END!
4020	!	X =	694.192,	5159.725,	0.0,	0.0	!	!END!
4021	!	X =	694.392,	5159.725,	0.0,	0.0	!	!END!
4022	!	X =	694.592,	5159.725,	0.0,	0.0	!	!END!
4023	!	X =	694.792,	5159.725,	0.0,	0.0	!	!END!
4024	!	X =	694.992,	5159.725,	0.0,	0.0	!	!END!
4025	!	X =	690.992,	5159.925,	0.0,	0.0	!	!END!
4026	!	X =	691.192,	5159.925,	0.0,	0.0	!	!END!
4027	!	X =	691.392,	5159.925,	0.0,	0.0	!	!END!
4028	!	X =	691.592,	5159.925,	0.0,	0.0	!	!END!
4029	!	X =	691.792,	5159.925,	0.0,	0.0	!	!END!
4030	!	X =	691.992,	5159.925,	0.0,	0.0	!	!END!
4031	!	X =	692.192,	5159.925,	0.0,	0.0	!	!END!
4032	!	X =	692.392,	5159.925,	0.0,	0.0	!	!END!
4033	!	X =	692.592,	5159.925,	0.0,	0.0	!	!END!
4034	!	X =	692.792,	5159.925,	0.0,	0.0	!	!END!
4035	!	X =	692.992,	5159.925,	0.0,	0.0	!	!END!
4036	!	X =	693.192,	5159.925,	0.0,	0.0	!	!END!
4037	!	X =	693.392,	5159.925,	0.0,	0.0	!	!END!
4038	!	X =	693.592,	5159.925,	0.0,	0.0	!	!END!
4039	!	X =	693.792,	5159.925,	0.0,	0.0	!	!END!
4040	!	X =	693.992,	5159.925,	0.0,	0.0	!	!END!
4041	!	X =	694.192,	5159.925,	0.0,	0.0	!	!END!
4042	!	X =	694.392,	5159.925,	0.0,	0.0	!	!END!
4043	!	X =	694.592,	5159.925,	0.0,	0.0	!	!END!
4044	!	X =	694.792,	5159.925,	0.0,	0.0	!	!END!
4045	!	X =	694.992,	5159.925,	0.0,	0.0	!	!END!
4046	!	X =	690.992,	5160.125,	0.0,	0.0	!	!END!
4047	!	X =	691.192,	5160.125,	0.0,	0.0	!	!END!
4048	!	X =	691.392,	5160.125,	0.0,	0.0	!	!END!
4049	!	X =	691.592,	5160.125,	0.0,	0.0	!	!END!
4050	!	X =	691.792,	5160.125,	0.0,	0.0	!	!END!
4051	!	X =	691.992,	5160.125,	0.0,	0.0	!	!END!
4052	!	X =	692.192,	5160.125,	0.0,	0.0	!	!END!
4053	!	X =	692.392,	5160.125,	0.0,	0.0	!	!END!
4054	!	X =	692.592,	5160.125,	0.0,	0.0	!	!END!
4055	!	X =	692.792,	5160.125,	0.0,	0.0	!	!END!
4056	!	X =	692.992,	5160.125,	0.0,	0.0	!	!END!

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4057	!	X =	693.192,	5160.125,	0.0,	0.0	!	!END!
4058	!	X =	693.392,	5160.125,	0.0,	0.0	!	!END!
4059	!	X =	693.592,	5160.125,	0.0,	0.0	!	!END!
4060	!	X =	693.792,	5160.125,	0.0,	0.0	!	!END!
4061	!	X =	693.992,	5160.125,	0.0,	0.0	!	!END!
4062	!	X =	694.192,	5160.125,	0.0,	0.0	!	!END!
4063	!	X =	694.392,	5160.125,	0.0,	0.0	!	!END!
4064	!	X =	694.592,	5160.125,	0.0,	0.0	!	!END!
4065	!	X =	694.792,	5160.125,	0.0,	0.0	!	!END!
4066	!	X =	694.992,	5160.125,	0.0,	0.0	!	!END!
4067	!	X =	690.992,	5160.325,	0.0,	0.0	!	!END!
4068	!	X =	691.192,	5160.325,	0.0,	0.0	!	!END!
4069	!	X =	691.392,	5160.325,	0.0,	0.0	!	!END!
4070	!	X =	691.592,	5160.325,	0.0,	0.0	!	!END!
4071	!	X =	691.792,	5160.325,	0.0,	0.0	!	!END!
4072	!	X =	691.992,	5160.325,	0.0,	0.0	!	!END!
4073	!	X =	692.192,	5160.325,	0.0,	0.0	!	!END!
4074	!	X =	692.392,	5160.325,	0.0,	0.0	!	!END!
4075	!	X =	692.592,	5160.325,	0.0,	0.0	!	!END!
4076	!	X =	692.792,	5160.325,	0.0,	0.0	!	!END!
4077	!	X =	692.992,	5160.325,	0.0,	0.0	!	!END!
4078	!	X =	693.192,	5160.325,	0.0,	0.0	!	!END!
4079	!	X =	693.392,	5160.325,	0.0,	0.0	!	!END!
4080	!	X =	693.592,	5160.325,	0.0,	0.0	!	!END!
4081	!	X =	693.792,	5160.325,	0.0,	0.0	!	!END!
4082	!	X =	693.992,	5160.325,	0.0,	0.0	!	!END!
4083	!	X =	694.192,	5160.325,	0.0,	0.0	!	!END!
4084	!	X =	694.392,	5160.325,	0.0,	0.0	!	!END!
4085	!	X =	694.592,	5160.325,	0.0,	0.0	!	!END!
4086	!	X =	694.792,	5160.325,	0.0,	0.0	!	!END!
4087	!	X =	694.992,	5160.325,	0.0,	0.0	!	!END!
4088	!	X =	690.992,	5160.525,	0.0,	0.0	!	!END!
4089	!	X =	691.192,	5160.525,	0.0,	0.0	!	!END!
4090	!	X =	691.392,	5160.525,	0.0,	0.0	!	!END!
4091	!	X =	691.592,	5160.525,	0.0,	0.0	!	!END!
4092	!	X =	691.792,	5160.525,	0.0,	0.0	!	!END!
4093	!	X =	691.992,	5160.525,	0.0,	0.0	!	!END!
4094	!	X =	692.192,	5160.525,	0.0,	0.0	!	!END!
4095	!	X =	692.392,	5160.525,	0.0,	0.0	!	!END!
4096	!	X =	692.592,	5160.525,	0.0,	0.0	!	!END!
4097	!	X =	692.792,	5160.525,	0.0,	0.0	!	!END!
4098	!	X =	692.992,	5160.525,	0.0,	0.0	!	!END!
4099	!	X =	693.192,	5160.525,	0.0,	0.0	!	!END!
4100	!	X =	693.392,	5160.525,	0.0,	0.0	!	!END!
4101	!	X =	693.592,	5160.525,	0.0,	0.0	!	!END!
4102	!	X =	693.792,	5160.525,	0.0,	0.0	!	!END!
4103	!	X =	693.992,	5160.525,	0.0,	0.0	!	!END!
4104	!	X =	694.192,	5160.525,	0.0,	0.0	!	!END!
4105	!	X =	694.392,	5160.525,	0.0,	0.0	!	!END!
4106	!	X =	694.592,	5160.525,	0.0,	0.0	!	!END!
4107	!	X =	694.792,	5160.525,	0.0,	0.0	!	!END!
4108	!	X =	694.992,	5160.525,	0.0,	0.0	!	!END!
4109	!	X =	692.492,	5158.025,	0.0,	0.0	!	!END!
4110	!	X =	692.542,	5158.025,	0.0,	0.0	!	!END!
4111	!	X =	692.592,	5158.025,	0.0,	0.0	!	!END!
4112	!	X =	692.642,	5158.025,	0.0,	0.0	!	!END!
4113	!	X =	692.692,	5158.025,	0.0,	0.0	!	!END!
4114	!	X =	692.742,	5158.025,	0.0,	0.0	!	!END!
4115	!	X =	692.792,	5158.025,	0.0,	0.0	!	!END!
4116	!	X =	692.842,	5158.025,	0.0,	0.0	!	!END!
4117	!	X =	692.892,	5158.025,	0.0,	0.0	!	!END!
4118	!	X =	692.942,	5158.025,	0.0,	0.0	!	!END!
4119	!	X =	692.992,	5158.025,	0.0,	0.0	!	!END!

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4120	!	X =	693.042,	5158.025,	0.0,	0.0	!	!END!
4121	!	X =	693.092,	5158.025,	0.0,	0.0	!	!END!
4122	!	X =	693.142,	5158.025,	0.0,	0.0	!	!END!
4123	!	X =	693.192,	5158.025,	0.0,	0.0	!	!END!
4124	!	X =	693.242,	5158.025,	0.0,	0.0	!	!END!
4125	!	X =	693.292,	5158.025,	0.0,	0.0	!	!END!
4126	!	X =	693.342,	5158.025,	0.0,	0.0	!	!END!
4127	!	X =	693.392,	5158.025,	0.0,	0.0	!	!END!
4128	!	X =	693.442,	5158.025,	0.0,	0.0	!	!END!
4129	!	X =	693.492,	5158.025,	0.0,	0.0	!	!END!
4130	!	X =	692.492,	5158.075,	0.0,	0.0	!	!END!
4131	!	X =	692.542,	5158.075,	0.0,	0.0	!	!END!
4132	!	X =	692.592,	5158.075,	0.0,	0.0	!	!END!
4133	!	X =	692.642,	5158.075,	0.0,	0.0	!	!END!
4134	!	X =	692.692,	5158.075,	0.0,	0.0	!	!END!
4135	!	X =	692.742,	5158.075,	0.0,	0.0	!	!END!
4136	!	X =	692.792,	5158.075,	0.0,	0.0	!	!END!
4137	!	X =	692.842,	5158.075,	0.0,	0.0	!	!END!
4138	!	X =	692.892,	5158.075,	0.0,	0.0	!	!END!
4139	!	X =	692.942,	5158.075,	0.0,	0.0	!	!END!
4140	!	X =	692.992,	5158.075,	0.0,	0.0	!	!END!
4141	!	X =	693.042,	5158.075,	0.0,	0.0	!	!END!
4142	!	X =	693.092,	5158.075,	0.0,	0.0	!	!END!
4143	!	X =	693.142,	5158.075,	0.0,	0.0	!	!END!
4144	!	X =	693.192,	5158.075,	0.0,	0.0	!	!END!
4145	!	X =	693.242,	5158.075,	0.0,	0.0	!	!END!
4146	!	X =	693.292,	5158.075,	0.0,	0.0	!	!END!
4147	!	X =	693.342,	5158.075,	0.0,	0.0	!	!END!
4148	!	X =	693.392,	5158.075,	0.0,	0.0	!	!END!
4149	!	X =	727.305,	5185.600,	0.0,	0.0	!	!END!
4150	!	X =	727.355,	5185.600,	0.0,	0.0	!	!END!
4151	!	X =	727.405,	5185.600,	0.0,	0.0	!	!END!
4152	!	X =	727.455,	5185.600,	0.0,	0.0	!	!END!
4153	!	X =	727.505,	5185.600,	0.0,	0.0	!	!END!
4154	!	X =	727.555,	5185.600,	0.0,	0.0	!	!END!
4155	!	X =	727.605,	5185.600,	0.0,	0.0	!	!END!
4156	!	X =	727.655,	5185.600,	0.0,	0.0	!	!END!
4157	!	X =	727.705,	5185.600,	0.0,	0.0	!	!END!
4158	!	X =	727.755,	5185.600,	0.0,	0.0	!	!END!
4159	!	X =	727.805,	5185.600,	0.0,	0.0	!	!END!
4160	!	X =	727.855,	5185.600,	0.0,	0.0	!	!END!
4161	!	X =	727.905,	5185.600,	0.0,	0.0	!	!END!
4162	!	X =	727.955,	5185.600,	0.0,	0.0	!	!END!
4163	!	X =	728.005,	5185.600,	0.0,	0.0	!	!END!
4164	!	X =	728.055,	5185.600,	0.0,	0.0	!	!END!
4165	!	X =	728.105,	5185.600,	0.0,	0.0	!	!END!
4166	!	X =	728.155,	5185.600,	0.0,	0.0	!	!END!
4167	!	X =	728.205,	5185.600,	0.0,	0.0	!	!END!
4168	!	X =	728.255,	5185.600,	0.0,	0.0	!	!END!
4169	!	X =	728.305,	5185.600,	0.0,	0.0	!	!END!
4170	!	X =	727.305,	5185.650,	0.0,	0.0	!	!END!
4171	!	X =	727.355,	5185.650,	0.0,	0.0	!	!END!
4172	!	X =	727.405,	5185.650,	0.0,	0.0	!	!END!
4173	!	X =	727.455,	5185.650,	0.0,	0.0	!	!END!
4174	!	X =	727.505,	5185.650,	0.0,	0.0	!	!END!
4175	!	X =	727.555,	5185.650,	0.0,	0.0	!	!END!
4176	!	X =	727.605,	5185.650,	0.0,	0.0	!	!END!
4177	!	X =	727.655,	5185.650,	0.0,	0.0	!	!END!
4178	!	X =	727.705,	5185.650,	0.0,	0.0	!	!END!
4179	!	X =	727.755,	5185.650,	0.0,	0.0	!	!END!
4180	!	X =	727.805,	5185.650,	0.0,	0.0	!	!END!
4181	!	X =	727.855,	5185.650,	0.0,	0.0	!	!END!
4182	!	X =	727.905,	5185.650,	0.0,	0.0	!	!END!

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4183	!	X =	727.955,	5185.650,	0.0,	0.0	!	!END!
4184	!	X =	728.005,	5185.650,	0.0,	0.0	!	!END!
4185	!	X =	728.055,	5185.650,	0.0,	0.0	!	!END!
4186	!	X =	728.105,	5185.650,	0.0,	0.0	!	!END!
4187	!	X =	728.155,	5185.650,	0.0,	0.0	!	!END!
4188	!	X =	728.205,	5185.650,	0.0,	0.0	!	!END!
4189	!	X =	728.255,	5185.650,	0.0,	0.0	!	!END!
4190	!	X =	728.305,	5185.650,	0.0,	0.0	!	!END!
4191	!	X =	727.305,	5185.700,	0.0,	0.0	!	!END!
4192	!	X =	727.355,	5185.700,	0.0,	0.0	!	!END!
4193	!	X =	727.405,	5185.700,	0.0,	0.0	!	!END!
4194	!	X =	727.455,	5185.700,	0.0,	0.0	!	!END!
4195	!	X =	727.505,	5185.700,	0.0,	0.0	!	!END!
4196	!	X =	727.555,	5185.700,	0.0,	0.0	!	!END!
4197	!	X =	727.605,	5185.700,	0.0,	0.0	!	!END!
4198	!	X =	727.655,	5185.700,	0.0,	0.0	!	!END!
4199	!	X =	727.705,	5185.700,	0.0,	0.0	!	!END!
4200	!	X =	727.755,	5185.700,	0.0,	0.0	!	!END!
4201	!	X =	727.805,	5185.700,	0.0,	0.0	!	!END!
4202	!	X =	727.855,	5185.700,	0.0,	0.0	!	!END!
4203	!	X =	727.905,	5185.700,	0.0,	0.0	!	!END!
4204	!	X =	727.955,	5185.700,	0.0,	0.0	!	!END!
4205	!	X =	728.005,	5185.700,	0.0,	0.0	!	!END!
4206	!	X =	728.055,	5185.700,	0.0,	0.0	!	!END!
4207	!	X =	728.105,	5185.700,	0.0,	0.0	!	!END!
4208	!	X =	728.155,	5185.700,	0.0,	0.0	!	!END!
4209	!	X =	728.205,	5185.700,	0.0,	0.0	!	!END!
4210	!	X =	728.255,	5185.700,	0.0,	0.0	!	!END!
4211	!	X =	728.305,	5185.700,	0.0,	0.0	!	!END!
4212	!	X =	727.305,	5185.750,	0.0,	0.0	!	!END!
4213	!	X =	727.355,	5185.750,	0.0,	0.0	!	!END!
4214	!	X =	727.405,	5185.750,	0.0,	0.0	!	!END!
4215	!	X =	727.455,	5185.750,	0.0,	0.0	!	!END!
4216	!	X =	727.505,	5185.750,	0.0,	0.0	!	!END!
4217	!	X =	727.555,	5185.750,	0.0,	0.0	!	!END!
4218	!	X =	727.605,	5185.750,	0.0,	0.0	!	!END!
4219	!	X =	727.655,	5185.750,	0.0,	0.0	!	!END!
4220	!	X =	727.705,	5185.750,	0.0,	0.0	!	!END!
4221	!	X =	727.755,	5185.750,	0.0,	0.0	!	!END!
4222	!	X =	727.805,	5185.750,	0.0,	0.0	!	!END!
4223	!	X =	727.855,	5185.750,	0.0,	0.0	!	!END!
4224	!	X =	727.905,	5185.750,	0.0,	0.0	!	!END!
4225	!	X =	727.955,	5185.750,	0.0,	0.0	!	!END!
4226	!	X =	728.005,	5185.750,	0.0,	0.0	!	!END!
4227	!	X =	728.055,	5185.750,	0.0,	0.0	!	!END!
4228	!	X =	728.105,	5185.750,	0.0,	0.0	!	!END!
4229	!	X =	728.155,	5185.750,	0.0,	0.0	!	!END!
4230	!	X =	728.205,	5185.750,	0.0,	0.0	!	!END!
4231	!	X =	728.255,	5185.750,	0.0,	0.0	!	!END!
4232	!	X =	728.305,	5185.750,	0.0,	0.0	!	!END!
4233	!	X =	727.305,	5185.800,	0.0,	0.0	!	!END!
4234	!	X =	727.355,	5185.800,	0.0,	0.0	!	!END!
4235	!	X =	727.405,	5185.800,	0.0,	0.0	!	!END!
4236	!	X =	727.455,	5185.800,	0.0,	0.0	!	!END!
4237	!	X =	727.505,	5185.800,	0.0,	0.0	!	!END!
4238	!	X =	727.555,	5185.800,	0.0,	0.0	!	!END!
4239	!	X =	727.605,	5185.800,	0.0,	0.0	!	!END!
4240	!	X =	727.655,	5185.800,	0.0,	0.0	!	!END!
4241	!	X =	727.705,	5185.800,	0.0,	0.0	!	!END!
4242	!	X =	727.755,	5185.800,	0.0,	0.0	!	!END!
4243	!	X =	727.805,	5185.800,	0.0,	0.0	!	!END!
4244	!	X =	727.855,	5185.800,	0.0,	0.0	!	!END!
4245	!	X =	727.905,	5185.800,	0.0,	0.0	!	!END!

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4246	!	X =	727.955,	5185.800,	0.0,	0.0	!	!END!
4247	!	X =	728.005,	5185.800,	0.0,	0.0	!	!END!
4248	!	X =	728.055,	5185.800,	0.0,	0.0	!	!END!
4249	!	X =	728.105,	5185.800,	0.0,	0.0	!	!END!
4250	!	X =	728.155,	5185.800,	0.0,	0.0	!	!END!
4251	!	X =	728.205,	5185.800,	0.0,	0.0	!	!END!
4252	!	X =	728.255,	5185.800,	0.0,	0.0	!	!END!
4253	!	X =	728.305,	5185.800,	0.0,	0.0	!	!END!
4254	!	X =	727.305,	5185.850,	0.0,	0.0	!	!END!
4255	!	X =	727.355,	5185.850,	0.0,	0.0	!	!END!
4256	!	X =	727.405,	5185.850,	0.0,	0.0	!	!END!
4257	!	X =	727.455,	5185.850,	0.0,	0.0	!	!END!
4258	!	X =	727.505,	5185.850,	0.0,	0.0	!	!END!
4259	!	X =	727.555,	5185.850,	0.0,	0.0	!	!END!
4260	!	X =	727.605,	5185.850,	0.0,	0.0	!	!END!
4261	!	X =	727.655,	5185.850,	0.0,	0.0	!	!END!
4262	!	X =	727.705,	5185.850,	0.0,	0.0	!	!END!
4263	!	X =	727.755,	5185.850,	0.0,	0.0	!	!END!
4264	!	X =	727.805,	5185.850,	0.0,	0.0	!	!END!
4265	!	X =	727.855,	5185.850,	0.0,	0.0	!	!END!
4266	!	X =	727.905,	5185.850,	0.0,	0.0	!	!END!
4267	!	X =	727.955,	5185.850,	0.0,	0.0	!	!END!
4268	!	X =	728.005,	5185.850,	0.0,	0.0	!	!END!
4269	!	X =	728.055,	5185.850,	0.0,	0.0	!	!END!
4270	!	X =	728.105,	5185.850,	0.0,	0.0	!	!END!
4271	!	X =	728.155,	5185.850,	0.0,	0.0	!	!END!
4272	!	X =	728.205,	5185.850,	0.0,	0.0	!	!END!
4273	!	X =	728.255,	5185.850,	0.0,	0.0	!	!END!
4274	!	X =	728.305,	5185.850,	0.0,	0.0	!	!END!
4275	!	X =	727.305,	5185.900,	0.0,	0.0	!	!END!
4276	!	X =	727.355,	5185.900,	0.0,	0.0	!	!END!
4277	!	X =	727.405,	5185.900,	0.0,	0.0	!	!END!
4278	!	X =	727.455,	5185.900,	0.0,	0.0	!	!END!
4279	!	X =	727.505,	5185.900,	0.0,	0.0	!	!END!
4280	!	X =	727.555,	5185.900,	0.0,	0.0	!	!END!
4281	!	X =	727.605,	5185.900,	0.0,	0.0	!	!END!
4282	!	X =	727.655,	5185.900,	0.0,	0.0	!	!END!
4283	!	X =	727.705,	5185.900,	0.0,	0.0	!	!END!
4284	!	X =	727.755,	5185.900,	0.0,	0.0	!	!END!
4285	!	X =	727.805,	5185.900,	0.0,	0.0	!	!END!
4286	!	X =	727.855,	5185.900,	0.0,	0.0	!	!END!
4287	!	X =	727.905,	5185.900,	0.0,	0.0	!	!END!
4288	!	X =	727.955,	5185.900,	0.0,	0.0	!	!END!
4289	!	X =	728.005,	5185.900,	0.0,	0.0	!	!END!
4290	!	X =	728.055,	5185.900,	0.0,	0.0	!	!END!
4291	!	X =	728.105,	5185.900,	0.0,	0.0	!	!END!
4292	!	X =	728.155,	5185.900,	0.0,	0.0	!	!END!
4293	!	X =	728.205,	5185.900,	0.0,	0.0	!	!END!
4294	!	X =	728.255,	5185.900,	0.0,	0.0	!	!END!
4295	!	X =	728.305,	5185.900,	0.0,	0.0	!	!END!
4296	!	X =	727.305,	5185.950,	0.0,	0.0	!	!END!
4297	!	X =	727.355,	5185.950,	0.0,	0.0	!	!END!
4298	!	X =	727.405,	5185.950,	0.0,	0.0	!	!END!
4299	!	X =	727.455,	5185.950,	0.0,	0.0	!	!END!
4300	!	X =	727.505,	5185.950,	0.0,	0.0	!	!END!
4301	!	X =	727.555,	5185.950,	0.0,	0.0	!	!END!
4302	!	X =	727.605,	5185.950,	0.0,	0.0	!	!END!
4303	!	X =	727.655,	5185.950,	0.0,	0.0	!	!END!
4304	!	X =	727.705,	5185.950,	0.0,	0.0	!	!END!
4305	!	X =	727.755,	5185.950,	0.0,	0.0	!	!END!
4306	!	X =	727.805,	5185.950,	0.0,	0.0	!	!END!
4307	!	X =	727.855,	5185.950,	0.0,	0.0	!	!END!
4308	!	X =	727.905,	5185.950,	0.0,	0.0	!	!END!

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4309	!	X =	727.955,	5185.950,	0.0,	0.0	!	!END!
4310	!	X =	728.005,	5185.950,	0.0,	0.0	!	!END!
4311	!	X =	728.055,	5185.950,	0.0,	0.0	!	!END!
4312	!	X =	728.105,	5185.950,	0.0,	0.0	!	!END!
4313	!	X =	728.155,	5185.950,	0.0,	0.0	!	!END!
4314	!	X =	728.205,	5185.950,	0.0,	0.0	!	!END!
4315	!	X =	728.255,	5185.950,	0.0,	0.0	!	!END!
4316	!	X =	728.305,	5185.950,	0.0,	0.0	!	!END!
4317	!	X =	727.305,	5186.000,	0.0,	0.0	!	!END!
4318	!	X =	727.355,	5186.000,	0.0,	0.0	!	!END!
4319	!	X =	727.405,	5186.000,	0.0,	0.0	!	!END!
4320	!	X =	727.455,	5186.000,	0.0,	0.0	!	!END!
4321	!	X =	727.505,	5186.000,	0.0,	0.0	!	!END!
4322	!	X =	727.555,	5186.000,	0.0,	0.0	!	!END!
4323	!	X =	727.605,	5186.000,	0.0,	0.0	!	!END!
4324	!	X =	727.655,	5186.000,	0.0,	0.0	!	!END!
4325	!	X =	727.705,	5186.000,	0.0,	0.0	!	!END!
4326	!	X =	727.755,	5186.000,	0.0,	0.0	!	!END!
4327	!	X =	727.805,	5186.000,	0.0,	0.0	!	!END!
4328	!	X =	727.855,	5186.000,	0.0,	0.0	!	!END!
4329	!	X =	727.905,	5186.000,	0.0,	0.0	!	!END!
4330	!	X =	727.955,	5186.000,	0.0,	0.0	!	!END!
4331	!	X =	728.005,	5186.000,	0.0,	0.0	!	!END!
4332	!	X =	728.055,	5186.000,	0.0,	0.0	!	!END!
4333	!	X =	728.105,	5186.000,	0.0,	0.0	!	!END!
4334	!	X =	728.155,	5186.000,	0.0,	0.0	!	!END!
4335	!	X =	728.205,	5186.000,	0.0,	0.0	!	!END!
4336	!	X =	728.255,	5186.000,	0.0,	0.0	!	!END!
4337	!	X =	728.305,	5186.000,	0.0,	0.0	!	!END!
4338	!	X =	727.305,	5186.050,	0.0,	0.0	!	!END!
4339	!	X =	727.355,	5186.050,	0.0,	0.0	!	!END!
4340	!	X =	727.405,	5186.050,	0.0,	0.0	!	!END!
4341	!	X =	727.455,	5186.050,	0.0,	0.0	!	!END!
4342	!	X =	727.505,	5186.050,	0.0,	0.0	!	!END!
4343	!	X =	727.555,	5186.050,	0.0,	0.0	!	!END!
4344	!	X =	727.605,	5186.050,	0.0,	0.0	!	!END!
4345	!	X =	727.655,	5186.050,	0.0,	0.0	!	!END!
4346	!	X =	727.705,	5186.050,	0.0,	0.0	!	!END!
4347	!	X =	727.755,	5186.050,	0.0,	0.0	!	!END!
4348	!	X =	727.805,	5186.050,	0.0,	0.0	!	!END!
4349	!	X =	727.855,	5186.050,	0.0,	0.0	!	!END!
4350	!	X =	727.905,	5186.050,	0.0,	0.0	!	!END!
4351	!	X =	727.955,	5186.050,	0.0,	0.0	!	!END!
4352	!	X =	728.005,	5186.050,	0.0,	0.0	!	!END!
4353	!	X =	728.055,	5186.050,	0.0,	0.0	!	!END!
4354	!	X =	728.105,	5186.050,	0.0,	0.0	!	!END!
4355	!	X =	728.155,	5186.050,	0.0,	0.0	!	!END!
4356	!	X =	728.205,	5186.050,	0.0,	0.0	!	!END!
4357	!	X =	728.255,	5186.050,	0.0,	0.0	!	!END!
4358	!	X =	728.305,	5186.050,	0.0,	0.0	!	!END!
4359	!	X =	727.305,	5186.100,	0.0,	0.0	!	!END!
4360	!	X =	727.355,	5186.100,	0.0,	0.0	!	!END!
4361	!	X =	727.405,	5186.100,	0.0,	0.0	!	!END!
4362	!	X =	727.455,	5186.100,	0.0,	0.0	!	!END!
4363	!	X =	727.505,	5186.100,	0.0,	0.0	!	!END!
4364	!	X =	727.555,	5186.100,	0.0,	0.0	!	!END!
4365	!	X =	727.605,	5186.100,	0.0,	0.0	!	!END!
4366	!	X =	727.655,	5186.100,	0.0,	0.0	!	!END!
4367	!	X =	727.705,	5186.100,	0.0,	0.0	!	!END!
4368	!	X =	727.755,	5186.100,	0.0,	0.0	!	!END!
4369	!	X =	727.855,	5186.100,	0.0,	0.0	!	!END!
4370	!	X =	727.905,	5186.100,	0.0,	0.0	!	!END!
4371	!	X =	727.955,	5186.100,	0.0,	0.0	!	!END!

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4372	!	X =	728.005,	5186.100,	0.0,	0.0	!	!END!
4373	!	X =	728.055,	5186.100,	0.0,	0.0	!	!END!
4374	!	X =	728.105,	5186.100,	0.0,	0.0	!	!END!
4375	!	X =	728.155,	5186.100,	0.0,	0.0	!	!END!
4376	!	X =	728.205,	5186.100,	0.0,	0.0	!	!END!
4377	!	X =	728.255,	5186.100,	0.0,	0.0	!	!END!
4378	!	X =	728.305,	5186.100,	0.0,	0.0	!	!END!
4379	!	X =	727.305,	5186.150,	0.0,	0.0	!	!END!
4380	!	X =	727.355,	5186.150,	0.0,	0.0	!	!END!
4381	!	X =	727.405,	5186.150,	0.0,	0.0	!	!END!
4382	!	X =	727.455,	5186.150,	0.0,	0.0	!	!END!
4383	!	X =	727.505,	5186.150,	0.0,	0.0	!	!END!
4384	!	X =	727.555,	5186.150,	0.0,	0.0	!	!END!
4385	!	X =	727.605,	5186.150,	0.0,	0.0	!	!END!
4386	!	X =	727.655,	5186.150,	0.0,	0.0	!	!END!
4387	!	X =	727.705,	5186.150,	0.0,	0.0	!	!END!
4388	!	X =	727.755,	5186.150,	0.0,	0.0	!	!END!
4389	!	X =	727.805,	5186.150,	0.0,	0.0	!	!END!
4390	!	X =	727.855,	5186.150,	0.0,	0.0	!	!END!
4391	!	X =	727.905,	5186.150,	0.0,	0.0	!	!END!
4392	!	X =	727.955,	5186.150,	0.0,	0.0	!	!END!
4393	!	X =	728.005,	5186.150,	0.0,	0.0	!	!END!
4394	!	X =	728.055,	5186.150,	0.0,	0.0	!	!END!
4395	!	X =	728.105,	5186.150,	0.0,	0.0	!	!END!
4396	!	X =	728.155,	5186.150,	0.0,	0.0	!	!END!
4397	!	X =	728.205,	5186.150,	0.0,	0.0	!	!END!
4398	!	X =	728.255,	5186.150,	0.0,	0.0	!	!END!
4399	!	X =	728.305,	5186.150,	0.0,	0.0	!	!END!
4400	!	X =	727.305,	5186.200,	0.0,	0.0	!	!END!
4401	!	X =	727.355,	5186.200,	0.0,	0.0	!	!END!
4402	!	X =	727.405,	5186.200,	0.0,	0.0	!	!END!
4403	!	X =	727.455,	5186.200,	0.0,	0.0	!	!END!
4404	!	X =	727.505,	5186.200,	0.0,	0.0	!	!END!
4405	!	X =	727.555,	5186.200,	0.0,	0.0	!	!END!
4406	!	X =	727.605,	5186.200,	0.0,	0.0	!	!END!
4407	!	X =	727.655,	5186.200,	0.0,	0.0	!	!END!
4408	!	X =	727.705,	5186.200,	0.0,	0.0	!	!END!
4409	!	X =	727.755,	5186.200,	0.0,	0.0	!	!END!
4410	!	X =	727.805,	5186.200,	0.0,	0.0	!	!END!
4411	!	X =	727.855,	5186.200,	0.0,	0.0	!	!END!
4412	!	X =	727.905,	5186.200,	0.0,	0.0	!	!END!
4413	!	X =	727.955,	5186.200,	0.0,	0.0	!	!END!
4414	!	X =	728.005,	5186.200,	0.0,	0.0	!	!END!
4415	!	X =	728.055,	5186.200,	0.0,	0.0	!	!END!
4416	!	X =	728.105,	5186.200,	0.0,	0.0	!	!END!
4417	!	X =	728.155,	5186.200,	0.0,	0.0	!	!END!
4418	!	X =	728.205,	5186.200,	0.0,	0.0	!	!END!
4419	!	X =	728.255,	5186.200,	0.0,	0.0	!	!END!
4420	!	X =	728.305,	5186.200,	0.0,	0.0	!	!END!
4421	!	X =	727.305,	5186.250,	0.0,	0.0	!	!END!
4422	!	X =	727.355,	5186.250,	0.0,	0.0	!	!END!
4423	!	X =	727.405,	5186.250,	0.0,	0.0	!	!END!
4424	!	X =	727.455,	5186.250,	0.0,	0.0	!	!END!
4425	!	X =	727.505,	5186.250,	0.0,	0.0	!	!END!
4426	!	X =	727.555,	5186.250,	0.0,	0.0	!	!END!
4427	!	X =	727.605,	5186.250,	0.0,	0.0	!	!END!
4428	!	X =	727.655,	5186.250,	0.0,	0.0	!	!END!
4429	!	X =	727.705,	5186.250,	0.0,	0.0	!	!END!
4430	!	X =	727.755,	5186.250,	0.0,	0.0	!	!END!
4431	!	X =	727.805,	5186.250,	0.0,	0.0	!	!END!
4432	!	X =	727.855,	5186.250,	0.0,	0.0	!	!END!
4433	!	X =	727.905,	5186.250,	0.0,	0.0	!	!END!
4434	!	X =	727.955,	5186.250,	0.0,	0.0	!	!END!

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4435	!	X =	728.005,	5186.250,	0.0,	0.0	!	!END!
4436	!	X =	728.055,	5186.250,	0.0,	0.0	!	!END!
4437	!	X =	728.105,	5186.250,	0.0,	0.0	!	!END!
4438	!	X =	728.155,	5186.250,	0.0,	0.0	!	!END!
4439	!	X =	728.205,	5186.250,	0.0,	0.0	!	!END!
4440	!	X =	728.255,	5186.250,	0.0,	0.0	!	!END!
4441	!	X =	728.305,	5186.250,	0.0,	0.0	!	!END!
4442	!	X =	727.305,	5186.300,	0.0,	0.0	!	!END!
4443	!	X =	727.355,	5186.300,	0.0,	0.0	!	!END!
4444	!	X =	727.405,	5186.300,	0.0,	0.0	!	!END!
4445	!	X =	727.455,	5186.300,	0.0,	0.0	!	!END!
4446	!	X =	727.505,	5186.300,	0.0,	0.0	!	!END!
4447	!	X =	727.555,	5186.300,	0.0,	0.0	!	!END!
4448	!	X =	727.605,	5186.300,	0.0,	0.0	!	!END!
4449	!	X =	727.655,	5186.300,	0.0,	0.0	!	!END!
4450	!	X =	727.705,	5186.300,	0.0,	0.0	!	!END!
4451	!	X =	727.755,	5186.300,	0.0,	0.0	!	!END!
4452	!	X =	727.805,	5186.300,	0.0,	0.0	!	!END!
4453	!	X =	727.855,	5186.300,	0.0,	0.0	!	!END!
4454	!	X =	727.905,	5186.300,	0.0,	0.0	!	!END!
4455	!	X =	727.955,	5186.300,	0.0,	0.0	!	!END!
4456	!	X =	728.005,	5186.300,	0.0,	0.0	!	!END!
4457	!	X =	728.055,	5186.300,	0.0,	0.0	!	!END!
4458	!	X =	728.105,	5186.300,	0.0,	0.0	!	!END!
4459	!	X =	728.155,	5186.300,	0.0,	0.0	!	!END!
4460	!	X =	728.205,	5186.300,	0.0,	0.0	!	!END!
4461	!	X =	728.255,	5186.300,	0.0,	0.0	!	!END!
4462	!	X =	728.305,	5186.300,	0.0,	0.0	!	!END!
4463	!	X =	727.305,	5186.350,	0.0,	0.0	!	!END!
4464	!	X =	727.355,	5186.350,	0.0,	0.0	!	!END!
4465	!	X =	727.405,	5186.350,	0.0,	0.0	!	!END!
4466	!	X =	727.455,	5186.350,	0.0,	0.0	!	!END!
4467	!	X =	727.505,	5186.350,	0.0,	0.0	!	!END!
4468	!	X =	727.555,	5186.350,	0.0,	0.0	!	!END!
4469	!	X =	727.605,	5186.350,	0.0,	0.0	!	!END!
4470	!	X =	727.655,	5186.350,	0.0,	0.0	!	!END!
4471	!	X =	727.705,	5186.350,	0.0,	0.0	!	!END!
4472	!	X =	727.755,	5186.350,	0.0,	0.0	!	!END!
4473	!	X =	727.805,	5186.350,	0.0,	0.0	!	!END!
4474	!	X =	727.855,	5186.350,	0.0,	0.0	!	!END!
4475	!	X =	727.905,	5186.350,	0.0,	0.0	!	!END!
4476	!	X =	727.955,	5186.350,	0.0,	0.0	!	!END!
4477	!	X =	728.005,	5186.350,	0.0,	0.0	!	!END!
4478	!	X =	693.442,	5158.075,	0.0,	0.0	!	!END!
4479	!	X =	693.492,	5158.075,	0.0,	0.0	!	!END!
4480	!	X =	692.967,	5149.661,	0.0,	0.0	!	!END!
4481	!	X =	693.017,	5149.661,	0.0,	0.0	!	!END!
4482	!	X =	693.067,	5149.661,	0.0,	0.0	!	!END!
4483	!	X =	693.117,	5149.661,	0.0,	0.0	!	!END!
4484	!	X =	693.167,	5149.661,	0.0,	0.0	!	!END!
4485	!	X =	693.217,	5149.661,	0.0,	0.0	!	!END!
4486	!	X =	693.267,	5149.661,	0.0,	0.0	!	!END!
4487	!	X =	693.317,	5149.661,	0.0,	0.0	!	!END!
4488	!	X =	693.367,	5149.661,	0.0,	0.0	!	!END!
4489	!	X =	693.417,	5149.661,	0.0,	0.0	!	!END!
4490	!	X =	693.467,	5149.661,	0.0,	0.0	!	!END!
4491	!	X =	693.517,	5149.661,	0.0,	0.0	!	!END!
4492	!	X =	693.567,	5149.661,	0.0,	0.0	!	!END!
4493	!	X =	693.617,	5149.661,	0.0,	0.0	!	!END!
4494	!	X =	693.667,	5149.661,	0.0,	0.0	!	!END!
4495	!	X =	693.717,	5149.661,	0.0,	0.0	!	!END!
4496	!	X =	693.767,	5149.661,	0.0,	0.0	!	!END!
4497	!	X =	693.817,	5149.661,	0.0,	0.0	!	!END!

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4498	!	X =	693.867,	5149.661,	0.0,	0.0	!	!END!
4499	!	X =	693.917,	5149.661,	0.0,	0.0	!	!END!
4500	!	X =	693.967,	5149.661,	0.0,	0.0	!	!END!
4501	!	X =	692.967,	5149.711,	0.0,	0.0	!	!END!
4502	!	X =	693.017,	5149.711,	0.0,	0.0	!	!END!
4503	!	X =	693.067,	5149.711,	0.0,	0.0	!	!END!
4504	!	X =	693.117,	5149.711,	0.0,	0.0	!	!END!
4505	!	X =	693.167,	5149.711,	0.0,	0.0	!	!END!
4506	!	X =	693.217,	5149.711,	0.0,	0.0	!	!END!
4507	!	X =	693.267,	5149.711,	0.0,	0.0	!	!END!
4508	!	X =	693.317,	5149.711,	0.0,	0.0	!	!END!
4509	!	X =	693.367,	5149.711,	0.0,	0.0	!	!END!
4510	!	X =	693.417,	5149.711,	0.0,	0.0	!	!END!
4511	!	X =	693.467,	5149.711,	0.0,	0.0	!	!END!
4512	!	X =	693.517,	5149.711,	0.0,	0.0	!	!END!
4513	!	X =	693.567,	5149.711,	0.0,	0.0	!	!END!
4514	!	X =	693.617,	5149.711,	0.0,	0.0	!	!END!
4515	!	X =	693.667,	5149.711,	0.0,	0.0	!	!END!
4516	!	X =	693.717,	5149.711,	0.0,	0.0	!	!END!
4517	!	X =	693.767,	5149.711,	0.0,	0.0	!	!END!
4518	!	X =	693.817,	5149.711,	0.0,	0.0	!	!END!
4519	!	X =	693.867,	5149.711,	0.0,	0.0	!	!END!
4520	!	X =	693.917,	5149.711,	0.0,	0.0	!	!END!
4521	!	X =	693.967,	5149.711,	0.0,	0.0	!	!END!
4522	!	X =	692.967,	5149.761,	0.0,	0.0	!	!END!
4523	!	X =	693.017,	5149.761,	0.0,	0.0	!	!END!
4524	!	X =	693.067,	5149.761,	0.0,	0.0	!	!END!
4525	!	X =	693.117,	5149.761,	0.0,	0.0	!	!END!
4526	!	X =	693.167,	5149.761,	0.0,	0.0	!	!END!
4527	!	X =	693.217,	5149.761,	0.0,	0.0	!	!END!
4528	!	X =	693.267,	5149.761,	0.0,	0.0	!	!END!
4529	!	X =	693.317,	5149.761,	0.0,	0.0	!	!END!
4530	!	X =	693.367,	5149.761,	0.0,	0.0	!	!END!
4531	!	X =	693.417,	5149.761,	0.0,	0.0	!	!END!
4532	!	X =	693.467,	5149.761,	0.0,	0.0	!	!END!
4533	!	X =	693.517,	5149.761,	0.0,	0.0	!	!END!
4534	!	X =	693.567,	5149.761,	0.0,	0.0	!	!END!
4535	!	X =	693.617,	5149.761,	0.0,	0.0	!	!END!
4536	!	X =	693.667,	5149.761,	0.0,	0.0	!	!END!
4537	!	X =	693.717,	5149.761,	0.0,	0.0	!	!END!
4538	!	X =	693.767,	5149.761,	0.0,	0.0	!	!END!
4539	!	X =	693.817,	5149.761,	0.0,	0.0	!	!END!
4540	!	X =	693.867,	5149.761,	0.0,	0.0	!	!END!
4541	!	X =	693.917,	5149.761,	0.0,	0.0	!	!END!
4542	!	X =	693.967,	5149.761,	0.0,	0.0	!	!END!
4543	!	X =	692.967,	5149.811,	0.0,	0.0	!	!END!
4544	!	X =	693.017,	5149.811,	0.0,	0.0	!	!END!
4545	!	X =	693.067,	5149.811,	0.0,	0.0	!	!END!
4546	!	X =	693.117,	5149.811,	0.0,	0.0	!	!END!
4547	!	X =	693.167,	5149.811,	0.0,	0.0	!	!END!
4548	!	X =	693.217,	5149.811,	0.0,	0.0	!	!END!
4549	!	X =	693.267,	5149.811,	0.0,	0.0	!	!END!
4550	!	X =	693.317,	5149.811,	0.0,	0.0	!	!END!
4551	!	X =	693.367,	5149.811,	0.0,	0.0	!	!END!
4552	!	X =	693.417,	5149.811,	0.0,	0.0	!	!END!
4553	!	X =	693.467,	5149.811,	0.0,	0.0	!	!END!
4554	!	X =	693.517,	5149.811,	0.0,	0.0	!	!END!
4555	!	X =	693.567,	5149.811,	0.0,	0.0	!	!END!
4556	!	X =	693.617,	5149.811,	0.0,	0.0	!	!END!
4557	!	X =	693.667,	5149.811,	0.0,	0.0	!	!END!
4558	!	X =	693.717,	5149.811,	0.0,	0.0	!	!END!
4559	!	X =	693.767,	5149.811,	0.0,	0.0	!	!END!
4560	!	X =	693.817,	5149.811,	0.0,	0.0	!	!END!

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4561	!	X =	693.867,	5149.811,	0.0,	0.0	!	!END!
4562	!	X =	693.917,	5149.811,	0.0,	0.0	!	!END!
4563	!	X =	693.967,	5149.811,	0.0,	0.0	!	!END!
4564	!	X =	692.967,	5149.861,	0.0,	0.0	!	!END!
4565	!	X =	693.017,	5149.861,	0.0,	0.0	!	!END!
4566	!	X =	693.067,	5149.861,	0.0,	0.0	!	!END!
4567	!	X =	693.117,	5149.861,	0.0,	0.0	!	!END!
4568	!	X =	693.167,	5149.861,	0.0,	0.0	!	!END!
4569	!	X =	693.217,	5149.861,	0.0,	0.0	!	!END!
4570	!	X =	693.267,	5149.861,	0.0,	0.0	!	!END!
4571	!	X =	693.317,	5149.861,	0.0,	0.0	!	!END!
4572	!	X =	693.367,	5149.861,	0.0,	0.0	!	!END!
4573	!	X =	693.417,	5149.861,	0.0,	0.0	!	!END!
4574	!	X =	693.467,	5149.861,	0.0,	0.0	!	!END!
4575	!	X =	693.517,	5149.861,	0.0,	0.0	!	!END!
4576	!	X =	693.567,	5149.861,	0.0,	0.0	!	!END!
4577	!	X =	693.617,	5149.861,	0.0,	0.0	!	!END!
4578	!	X =	693.667,	5149.861,	0.0,	0.0	!	!END!
4579	!	X =	693.717,	5149.861,	0.0,	0.0	!	!END!
4580	!	X =	693.767,	5149.861,	0.0,	0.0	!	!END!
4581	!	X =	693.817,	5149.861,	0.0,	0.0	!	!END!
4582	!	X =	693.867,	5149.861,	0.0,	0.0	!	!END!
4583	!	X =	693.917,	5149.861,	0.0,	0.0	!	!END!
4584	!	X =	693.967,	5149.861,	0.0,	0.0	!	!END!
4585	!	X =	692.967,	5149.911,	0.0,	0.0	!	!END!
4586	!	X =	693.017,	5149.911,	0.0,	0.0	!	!END!
4587	!	X =	693.067,	5149.911,	0.0,	0.0	!	!END!
4588	!	X =	693.117,	5149.911,	0.0,	0.0	!	!END!
4589	!	X =	693.167,	5149.911,	0.0,	0.0	!	!END!
4590	!	X =	693.217,	5149.911,	0.0,	0.0	!	!END!
4591	!	X =	693.267,	5149.911,	0.0,	0.0	!	!END!
4592	!	X =	693.317,	5149.911,	0.0,	0.0	!	!END!
4593	!	X =	693.367,	5149.911,	0.0,	0.0	!	!END!
4594	!	X =	693.417,	5149.911,	0.0,	0.0	!	!END!
4595	!	X =	693.467,	5149.911,	0.0,	0.0	!	!END!
4596	!	X =	693.517,	5149.911,	0.0,	0.0	!	!END!
4597	!	X =	693.567,	5149.911,	0.0,	0.0	!	!END!
4598	!	X =	693.617,	5149.911,	0.0,	0.0	!	!END!
4599	!	X =	693.667,	5149.911,	0.0,	0.0	!	!END!
4600	!	X =	693.717,	5149.911,	0.0,	0.0	!	!END!
4601	!	X =	693.767,	5149.911,	0.0,	0.0	!	!END!
4602	!	X =	693.817,	5149.911,	0.0,	0.0	!	!END!
4603	!	X =	693.867,	5149.911,	0.0,	0.0	!	!END!
4604	!	X =	693.917,	5149.911,	0.0,	0.0	!	!END!
4605	!	X =	693.967,	5149.911,	0.0,	0.0	!	!END!
4606	!	X =	692.967,	5149.961,	0.0,	0.0	!	!END!
4607	!	X =	693.017,	5149.961,	0.0,	0.0	!	!END!
4608	!	X =	693.067,	5149.961,	0.0,	0.0	!	!END!
4609	!	X =	693.117,	5149.961,	0.0,	0.0	!	!END!
4610	!	X =	693.167,	5149.961,	0.0,	0.0	!	!END!
4611	!	X =	693.217,	5149.961,	0.0,	0.0	!	!END!
4612	!	X =	693.267,	5149.961,	0.0,	0.0	!	!END!
4613	!	X =	693.317,	5149.961,	0.0,	0.0	!	!END!
4614	!	X =	693.367,	5149.961,	0.0,	0.0	!	!END!
4615	!	X =	693.417,	5149.961,	0.0,	0.0	!	!END!
4616	!	X =	693.467,	5149.961,	0.0,	0.0	!	!END!
4617	!	X =	693.517,	5149.961,	0.0,	0.0	!	!END!
4618	!	X =	693.567,	5149.961,	0.0,	0.0	!	!END!
4619	!	X =	693.617,	5149.961,	0.0,	0.0	!	!END!
4620	!	X =	693.667,	5149.961,	0.0,	0.0	!	!END!
4621	!	X =	693.717,	5149.961,	0.0,	0.0	!	!END!
4622	!	X =	693.767,	5149.961,	0.0,	0.0	!	!END!
4623	!	X =	693.817,	5149.961,	0.0,	0.0	!	!END!

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4624	!	X =	693.867,	5149.961,	0.0,	0.0	!	!END!
4625	!	X =	693.917,	5149.961,	0.0,	0.0	!	!END!
4626	!	X =	693.967,	5149.961,	0.0,	0.0	!	!END!
4627	!	X =	692.967,	5150.011,	0.0,	0.0	!	!END!
4628	!	X =	693.017,	5150.011,	0.0,	0.0	!	!END!
4629	!	X =	693.067,	5150.011,	0.0,	0.0	!	!END!
4630	!	X =	693.117,	5150.011,	0.0,	0.0	!	!END!
4631	!	X =	693.167,	5150.011,	0.0,	0.0	!	!END!
4632	!	X =	693.217,	5150.011,	0.0,	0.0	!	!END!
4633	!	X =	693.267,	5150.011,	0.0,	0.0	!	!END!
4634	!	X =	693.317,	5150.011,	0.0,	0.0	!	!END!
4635	!	X =	693.367,	5150.011,	0.0,	0.0	!	!END!
4636	!	X =	693.417,	5150.011,	0.0,	0.0	!	!END!
4637	!	X =	693.467,	5150.011,	0.0,	0.0	!	!END!
4638	!	X =	693.517,	5150.011,	0.0,	0.0	!	!END!
4639	!	X =	693.567,	5150.011,	0.0,	0.0	!	!END!
4640	!	X =	693.617,	5150.011,	0.0,	0.0	!	!END!
4641	!	X =	693.667,	5150.011,	0.0,	0.0	!	!END!
4642	!	X =	693.717,	5150.011,	0.0,	0.0	!	!END!
4643	!	X =	693.767,	5150.011,	0.0,	0.0	!	!END!
4644	!	X =	693.817,	5150.011,	0.0,	0.0	!	!END!
4645	!	X =	693.867,	5150.011,	0.0,	0.0	!	!END!
4646	!	X =	693.917,	5150.011,	0.0,	0.0	!	!END!
4647	!	X =	693.967,	5150.011,	0.0,	0.0	!	!END!
4648	!	X =	692.967,	5150.061,	0.0,	0.0	!	!END!
4649	!	X =	693.017,	5150.061,	0.0,	0.0	!	!END!
4650	!	X =	693.067,	5150.061,	0.0,	0.0	!	!END!
4651	!	X =	693.117,	5150.061,	0.0,	0.0	!	!END!
4652	!	X =	693.167,	5150.061,	0.0,	0.0	!	!END!
4653	!	X =	693.217,	5150.061,	0.0,	0.0	!	!END!
4654	!	X =	693.267,	5150.061,	0.0,	0.0	!	!END!
4655	!	X =	693.317,	5150.061,	0.0,	0.0	!	!END!
4656	!	X =	693.367,	5150.061,	0.0,	0.0	!	!END!
4657	!	X =	693.417,	5150.061,	0.0,	0.0	!	!END!
4658	!	X =	693.467,	5150.061,	0.0,	0.0	!	!END!
4659	!	X =	693.517,	5150.061,	0.0,	0.0	!	!END!
4660	!	X =	693.567,	5150.061,	0.0,	0.0	!	!END!
4661	!	X =	693.617,	5150.061,	0.0,	0.0	!	!END!
4662	!	X =	693.667,	5150.061,	0.0,	0.0	!	!END!
4663	!	X =	693.717,	5150.061,	0.0,	0.0	!	!END!
4664	!	X =	693.767,	5150.061,	0.0,	0.0	!	!END!
4665	!	X =	693.817,	5150.061,	0.0,	0.0	!	!END!
4666	!	X =	693.867,	5150.061,	0.0,	0.0	!	!END!
4667	!	X =	693.917,	5150.061,	0.0,	0.0	!	!END!
4668	!	X =	693.967,	5150.061,	0.0,	0.0	!	!END!
4669	!	X =	692.967,	5150.111,	0.0,	0.0	!	!END!
4670	!	X =	693.017,	5150.111,	0.0,	0.0	!	!END!
4671	!	X =	693.067,	5150.111,	0.0,	0.0	!	!END!
4672	!	X =	693.117,	5150.111,	0.0,	0.0	!	!END!
4673	!	X =	693.167,	5150.111,	0.0,	0.0	!	!END!
4674	!	X =	693.217,	5150.111,	0.0,	0.0	!	!END!
4675	!	X =	693.267,	5150.111,	0.0,	0.0	!	!END!
4676	!	X =	693.317,	5150.111,	0.0,	0.0	!	!END!
4677	!	X =	693.367,	5150.111,	0.0,	0.0	!	!END!
4678	!	X =	693.417,	5150.111,	0.0,	0.0	!	!END!
4679	!	X =	693.467,	5150.111,	0.0,	0.0	!	!END!
4680	!	X =	693.517,	5150.111,	0.0,	0.0	!	!END!
4681	!	X =	693.567,	5150.111,	0.0,	0.0	!	!END!
4682	!	X =	693.617,	5150.111,	0.0,	0.0	!	!END!
4683	!	X =	693.667,	5150.111,	0.0,	0.0	!	!END!
4684	!	X =	693.717,	5150.111,	0.0,	0.0	!	!END!
4685	!	X =	693.767,	5150.111,	0.0,	0.0	!	!END!
4686	!	X =	693.817,	5150.111,	0.0,	0.0	!	!END!

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4687	!	X =	693.867,	5150.111,	0.0,	0.0	!	!END!
4688	!	X =	693.917,	5150.111,	0.0,	0.0	!	!END!
4689	!	X =	693.967,	5150.111,	0.0,	0.0	!	!END!
4690	!	X =	692.967,	5150.161,	0.0,	0.0	!	!END!
4691	!	X =	693.017,	5150.161,	0.0,	0.0	!	!END!
4692	!	X =	693.067,	5150.161,	0.0,	0.0	!	!END!
4693	!	X =	693.117,	5150.161,	0.0,	0.0	!	!END!
4694	!	X =	693.167,	5150.161,	0.0,	0.0	!	!END!
4695	!	X =	693.217,	5150.161,	0.0,	0.0	!	!END!
4696	!	X =	693.267,	5150.161,	0.0,	0.0	!	!END!
4697	!	X =	693.317,	5150.161,	0.0,	0.0	!	!END!
4698	!	X =	693.367,	5150.161,	0.0,	0.0	!	!END!
4699	!	X =	693.417,	5150.161,	0.0,	0.0	!	!END!
4700	!	X =	693.517,	5150.161,	0.0,	0.0	!	!END!
4701	!	X =	693.567,	5150.161,	0.0,	0.0	!	!END!
4702	!	X =	693.617,	5150.161,	0.0,	0.0	!	!END!
4703	!	X =	693.667,	5150.161,	0.0,	0.0	!	!END!
4704	!	X =	693.717,	5150.161,	0.0,	0.0	!	!END!
4705	!	X =	693.767,	5150.161,	0.0,	0.0	!	!END!
4706	!	X =	693.817,	5150.161,	0.0,	0.0	!	!END!
4707	!	X =	693.867,	5150.161,	0.0,	0.0	!	!END!
4708	!	X =	693.917,	5150.161,	0.0,	0.0	!	!END!
4709	!	X =	693.967,	5150.161,	0.0,	0.0	!	!END!
4710	!	X =	692.967,	5150.211,	0.0,	0.0	!	!END!
4711	!	X =	693.017,	5150.211,	0.0,	0.0	!	!END!
4712	!	X =	693.067,	5150.211,	0.0,	0.0	!	!END!
4713	!	X =	693.117,	5150.211,	0.0,	0.0	!	!END!
4714	!	X =	693.167,	5150.211,	0.0,	0.0	!	!END!
4715	!	X =	693.217,	5150.211,	0.0,	0.0	!	!END!
4716	!	X =	693.267,	5150.211,	0.0,	0.0	!	!END!
4717	!	X =	693.317,	5150.211,	0.0,	0.0	!	!END!
4718	!	X =	693.367,	5150.211,	0.0,	0.0	!	!END!
4719	!	X =	693.417,	5150.211,	0.0,	0.0	!	!END!
4720	!	X =	693.467,	5150.211,	0.0,	0.0	!	!END!
4721	!	X =	693.517,	5150.211,	0.0,	0.0	!	!END!
4722	!	X =	693.567,	5150.211,	0.0,	0.0	!	!END!
4723	!	X =	693.617,	5150.211,	0.0,	0.0	!	!END!
4724	!	X =	693.667,	5150.211,	0.0,	0.0	!	!END!
4725	!	X =	693.717,	5150.211,	0.0,	0.0	!	!END!
4726	!	X =	693.767,	5150.211,	0.0,	0.0	!	!END!
4727	!	X =	693.817,	5150.211,	0.0,	0.0	!	!END!
4728	!	X =	693.867,	5150.211,	0.0,	0.0	!	!END!
4729	!	X =	693.917,	5150.211,	0.0,	0.0	!	!END!
4730	!	X =	693.967,	5150.211,	0.0,	0.0	!	!END!
4731	!	X =	692.967,	5150.261,	0.0,	0.0	!	!END!
4732	!	X =	693.017,	5150.261,	0.0,	0.0	!	!END!
4733	!	X =	693.067,	5150.261,	0.0,	0.0	!	!END!
4734	!	X =	693.117,	5150.261,	0.0,	0.0	!	!END!
4735	!	X =	693.167,	5150.261,	0.0,	0.0	!	!END!
4736	!	X =	693.217,	5150.261,	0.0,	0.0	!	!END!
4737	!	X =	693.267,	5150.261,	0.0,	0.0	!	!END!
4738	!	X =	693.317,	5150.261,	0.0,	0.0	!	!END!
4739	!	X =	693.367,	5150.261,	0.0,	0.0	!	!END!
4740	!	X =	693.417,	5150.261,	0.0,	0.0	!	!END!
4741	!	X =	693.467,	5150.261,	0.0,	0.0	!	!END!
4742	!	X =	693.517,	5150.261,	0.0,	0.0	!	!END!
4743	!	X =	693.567,	5150.261,	0.0,	0.0	!	!END!
4744	!	X =	693.617,	5150.261,	0.0,	0.0	!	!END!
4745	!	X =	693.667,	5150.261,	0.0,	0.0	!	!END!
4746	!	X =	693.717,	5150.261,	0.0,	0.0	!	!END!
4747	!	X =	693.767,	5150.261,	0.0,	0.0	!	!END!
4748	!	X =	693.817,	5150.261,	0.0,	0.0	!	!END!
4749	!	X =	693.867,	5150.261,	0.0,	0.0	!	!END!

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4750	!	X =	693.917,	5150.261,	0.0,	0.0	!	!END!
4751	!	X =	693.967,	5150.261,	0.0,	0.0	!	!END!
4752	!	X =	692.967,	5150.311,	0.0,	0.0	!	!END!
4753	!	X =	693.017,	5150.311,	0.0,	0.0	!	!END!
4754	!	X =	693.067,	5150.311,	0.0,	0.0	!	!END!
4755	!	X =	693.117,	5150.311,	0.0,	0.0	!	!END!
4756	!	X =	693.167,	5150.311,	0.0,	0.0	!	!END!
4757	!	X =	693.217,	5150.311,	0.0,	0.0	!	!END!
4758	!	X =	693.267,	5150.311,	0.0,	0.0	!	!END!
4759	!	X =	693.317,	5150.311,	0.0,	0.0	!	!END!
4760	!	X =	693.367,	5150.311,	0.0,	0.0	!	!END!
4761	!	X =	693.417,	5150.311,	0.0,	0.0	!	!END!
4762	!	X =	693.467,	5150.311,	0.0,	0.0	!	!END!
4763	!	X =	693.517,	5150.311,	0.0,	0.0	!	!END!
4764	!	X =	693.567,	5150.311,	0.0,	0.0	!	!END!
4765	!	X =	693.617,	5150.311,	0.0,	0.0	!	!END!
4766	!	X =	693.667,	5150.311,	0.0,	0.0	!	!END!
4767	!	X =	693.717,	5150.311,	0.0,	0.0	!	!END!
4768	!	X =	693.767,	5150.311,	0.0,	0.0	!	!END!
4769	!	X =	693.817,	5150.311,	0.0,	0.0	!	!END!
4770	!	X =	693.867,	5150.311,	0.0,	0.0	!	!END!
4771	!	X =	693.917,	5150.311,	0.0,	0.0	!	!END!
4772	!	X =	693.967,	5150.311,	0.0,	0.0	!	!END!
4773	!	X =	692.967,	5150.361,	0.0,	0.0	!	!END!
4774	!	X =	693.017,	5150.361,	0.0,	0.0	!	!END!
4775	!	X =	693.067,	5150.361,	0.0,	0.0	!	!END!
4776	!	X =	693.117,	5150.361,	0.0,	0.0	!	!END!
4777	!	X =	693.167,	5150.361,	0.0,	0.0	!	!END!
4778	!	X =	693.217,	5150.361,	0.0,	0.0	!	!END!
4779	!	X =	693.267,	5150.361,	0.0,	0.0	!	!END!
4780	!	X =	693.317,	5150.361,	0.0,	0.0	!	!END!
4781	!	X =	693.367,	5150.361,	0.0,	0.0	!	!END!
4782	!	X =	693.417,	5150.361,	0.0,	0.0	!	!END!
4783	!	X =	693.467,	5150.361,	0.0,	0.0	!	!END!
4784	!	X =	693.517,	5150.361,	0.0,	0.0	!	!END!
4785	!	X =	693.567,	5150.361,	0.0,	0.0	!	!END!
4786	!	X =	693.617,	5150.361,	0.0,	0.0	!	!END!
4787	!	X =	693.667,	5150.361,	0.0,	0.0	!	!END!
4788	!	X =	693.717,	5150.361,	0.0,	0.0	!	!END!
4789	!	X =	693.767,	5150.361,	0.0,	0.0	!	!END!
4790	!	X =	693.817,	5150.361,	0.0,	0.0	!	!END!
4791	!	X =	693.867,	5150.361,	0.0,	0.0	!	!END!
4792	!	X =	693.917,	5150.361,	0.0,	0.0	!	!END!
4793	!	X =	693.967,	5150.361,	0.0,	0.0	!	!END!
4794	!	X =	692.967,	5150.411,	0.0,	0.0	!	!END!
4795	!	X =	693.017,	5150.411,	0.0,	0.0	!	!END!
4796	!	X =	693.067,	5150.411,	0.0,	0.0	!	!END!
4797	!	X =	693.117,	5150.411,	0.0,	0.0	!	!END!
4798	!	X =	693.167,	5150.411,	0.0,	0.0	!	!END!
4799	!	X =	693.217,	5150.411,	0.0,	0.0	!	!END!
4800	!	X =	693.267,	5150.411,	0.0,	0.0	!	!END!
4801	!	X =	693.317,	5150.411,	0.0,	0.0	!	!END!
4802	!	X =	693.367,	5150.411,	0.0,	0.0	!	!END!
4803	!	X =	693.417,	5150.411,	0.0,	0.0	!	!END!
4804	!	X =	693.467,	5150.411,	0.0,	0.0	!	!END!
4805	!	X =	693.517,	5150.411,	0.0,	0.0	!	!END!
4806	!	X =	693.567,	5150.411,	0.0,	0.0	!	!END!
4807	!	X =	693.617,	5150.411,	0.0,	0.0	!	!END!
4808	!	X =	693.667,	5150.411,	0.0,	0.0	!	!END!
4809	!	X =	693.717,	5150.411,	0.0,	0.0	!	!END!
4810	!	X =	693.767,	5150.411,	0.0,	0.0	!	!END!
4811	!	X =	693.817,	5150.411,	0.0,	0.0	!	!END!
4812	!	X =	693.867,	5150.411,	0.0,	0.0	!	!END!

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4813	!	X =	693.917,	5150.411,	0.0,	0.0	!	!END!
4814	!	X =	693.967,	5150.411,	0.0,	0.0	!	!END!
4815	!	X =	692.967,	5150.461,	0.0,	0.0	!	!END!
4816	!	X =	693.017,	5150.461,	0.0,	0.0	!	!END!
4817	!	X =	693.067,	5150.461,	0.0,	0.0	!	!END!
4818	!	X =	693.117,	5150.461,	0.0,	0.0	!	!END!
4819	!	X =	693.167,	5150.461,	0.0,	0.0	!	!END!
4820	!	X =	693.217,	5150.461,	0.0,	0.0	!	!END!
4821	!	X =	693.267,	5150.461,	0.0,	0.0	!	!END!
4822	!	X =	693.317,	5150.461,	0.0,	0.0	!	!END!
4823	!	X =	693.367,	5150.461,	0.0,	0.0	!	!END!
4824	!	X =	693.417,	5150.461,	0.0,	0.0	!	!END!
4825	!	X =	693.467,	5150.461,	0.0,	0.0	!	!END!
4826	!	X =	693.517,	5150.461,	0.0,	0.0	!	!END!
4827	!	X =	693.567,	5150.461,	0.0,	0.0	!	!END!
4828	!	X =	693.617,	5150.461,	0.0,	0.0	!	!END!
4829	!	X =	693.667,	5150.461,	0.0,	0.0	!	!END!
4830	!	X =	693.717,	5150.461,	0.0,	0.0	!	!END!
4831	!	X =	693.767,	5150.461,	0.0,	0.0	!	!END!
4832	!	X =	693.817,	5150.461,	0.0,	0.0	!	!END!
4833	!	X =	693.867,	5150.461,	0.0,	0.0	!	!END!
4834	!	X =	693.917,	5150.461,	0.0,	0.0	!	!END!
4835	!	X =	693.967,	5150.461,	0.0,	0.0	!	!END!
4836	!	X =	692.967,	5150.511,	0.0,	0.0	!	!END!
4837	!	X =	693.017,	5150.511,	0.0,	0.0	!	!END!
4838	!	X =	693.067,	5150.511,	0.0,	0.0	!	!END!
4839	!	X =	693.117,	5150.511,	0.0,	0.0	!	!END!
4840	!	X =	693.167,	5150.511,	0.0,	0.0	!	!END!
4841	!	X =	693.217,	5150.511,	0.0,	0.0	!	!END!
4842	!	X =	693.267,	5150.511,	0.0,	0.0	!	!END!
4843	!	X =	693.317,	5150.511,	0.0,	0.0	!	!END!
4844	!	X =	693.367,	5150.511,	0.0,	0.0	!	!END!
4845	!	X =	693.417,	5150.511,	0.0,	0.0	!	!END!
4846	!	X =	693.467,	5150.511,	0.0,	0.0	!	!END!
4847	!	X =	693.517,	5150.511,	0.0,	0.0	!	!END!
4848	!	X =	693.567,	5150.511,	0.0,	0.0	!	!END!
4849	!	X =	693.617,	5150.511,	0.0,	0.0	!	!END!
4850	!	X =	693.667,	5150.511,	0.0,	0.0	!	!END!
4851	!	X =	693.717,	5150.511,	0.0,	0.0	!	!END!
4852	!	X =	693.767,	5150.511,	0.0,	0.0	!	!END!
4853	!	X =	693.817,	5150.511,	0.0,	0.0	!	!END!
4854	!	X =	693.867,	5150.511,	0.0,	0.0	!	!END!
4855	!	X =	693.917,	5150.511,	0.0,	0.0	!	!END!
4856	!	X =	693.967,	5150.511,	0.0,	0.0	!	!END!
4857	!	X =	692.967,	5150.561,	0.0,	0.0	!	!END!
4858	!	X =	693.017,	5150.561,	0.0,	0.0	!	!END!
4859	!	X =	693.067,	5150.561,	0.0,	0.0	!	!END!
4860	!	X =	693.117,	5150.561,	0.0,	0.0	!	!END!
4861	!	X =	693.167,	5150.561,	0.0,	0.0	!	!END!
4862	!	X =	693.217,	5150.561,	0.0,	0.0	!	!END!
4863	!	X =	693.267,	5150.561,	0.0,	0.0	!	!END!
4864	!	X =	693.317,	5150.561,	0.0,	0.0	!	!END!
4865	!	X =	693.367,	5150.561,	0.0,	0.0	!	!END!
4866	!	X =	693.417,	5150.561,	0.0,	0.0	!	!END!
4867	!	X =	693.467,	5150.561,	0.0,	0.0	!	!END!
4868	!	X =	693.517,	5150.561,	0.0,	0.0	!	!END!
4869	!	X =	693.567,	5150.561,	0.0,	0.0	!	!END!
4870	!	X =	693.617,	5150.561,	0.0,	0.0	!	!END!
4871	!	X =	693.667,	5150.561,	0.0,	0.0	!	!END!
4872	!	X =	693.717,	5150.561,	0.0,	0.0	!	!END!
4873	!	X =	693.767,	5150.561,	0.0,	0.0	!	!END!
4874	!	X =	693.817,	5150.561,	0.0,	0.0	!	!END!
4875	!	X =	693.867,	5150.561,	0.0,	0.0	!	!END!

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4876	!	X =	693.917,	5150.561,	0.0,	0.0	!	!END!
4877	!	X =	693.967,	5150.561,	0.0,	0.0	!	!END!
4878	!	X =	692.967,	5150.611,	0.0,	0.0	!	!END!
4879	!	X =	693.017,	5150.611,	0.0,	0.0	!	!END!
4880	!	X =	693.067,	5150.611,	0.0,	0.0	!	!END!
4881	!	X =	693.117,	5150.611,	0.0,	0.0	!	!END!
4882	!	X =	693.167,	5150.611,	0.0,	0.0	!	!END!
4883	!	X =	693.217,	5150.611,	0.0,	0.0	!	!END!
4884	!	X =	693.267,	5150.611,	0.0,	0.0	!	!END!
4885	!	X =	693.317,	5150.611,	0.0,	0.0	!	!END!
4886	!	X =	693.367,	5150.611,	0.0,	0.0	!	!END!
4887	!	X =	693.417,	5150.611,	0.0,	0.0	!	!END!
4888	!	X =	693.467,	5150.611,	0.0,	0.0	!	!END!
4889	!	X =	693.517,	5150.611,	0.0,	0.0	!	!END!
4890	!	X =	693.567,	5150.611,	0.0,	0.0	!	!END!
4891	!	X =	693.617,	5150.611,	0.0,	0.0	!	!END!
4892	!	X =	693.667,	5150.611,	0.0,	0.0	!	!END!
4893	!	X =	693.717,	5150.611,	0.0,	0.0	!	!END!
4894	!	X =	693.767,	5150.611,	0.0,	0.0	!	!END!
4895	!	X =	693.817,	5150.611,	0.0,	0.0	!	!END!
4896	!	X =	693.867,	5150.611,	0.0,	0.0	!	!END!
4897	!	X =	693.917,	5150.611,	0.0,	0.0	!	!END!
4898	!	X =	693.967,	5150.611,	0.0,	0.0	!	!END!
4899	!	X =	692.967,	5150.661,	0.0,	0.0	!	!END!
4900	!	X =	693.017,	5150.661,	0.0,	0.0	!	!END!
4901	!	X =	693.067,	5150.661,	0.0,	0.0	!	!END!
4902	!	X =	693.117,	5150.661,	0.0,	0.0	!	!END!
4903	!	X =	693.167,	5150.661,	0.0,	0.0	!	!END!
4904	!	X =	693.217,	5150.661,	0.0,	0.0	!	!END!
4905	!	X =	693.267,	5150.661,	0.0,	0.0	!	!END!
4906	!	X =	693.317,	5150.661,	0.0,	0.0	!	!END!
4907	!	X =	693.367,	5150.661,	0.0,	0.0	!	!END!
4908	!	X =	693.417,	5150.661,	0.0,	0.0	!	!END!
4909	!	X =	693.467,	5150.661,	0.0,	0.0	!	!END!
4910	!	X =	693.517,	5150.661,	0.0,	0.0	!	!END!
4911	!	X =	693.567,	5150.661,	0.0,	0.0	!	!END!
4912	!	X =	693.617,	5150.661,	0.0,	0.0	!	!END!
4913	!	X =	693.667,	5150.661,	0.0,	0.0	!	!END!
4914	!	X =	693.717,	5150.661,	0.0,	0.0	!	!END!
4915	!	X =	693.767,	5150.661,	0.0,	0.0	!	!END!
4916	!	X =	693.817,	5150.661,	0.0,	0.0	!	!END!
4917	!	X =	693.867,	5150.661,	0.0,	0.0	!	!END!
4918	!	X =	693.917,	5150.661,	0.0,	0.0	!	!END!
4919	!	X =	693.967,	5150.661,	0.0,	0.0	!	!END!
4920	!	X =	692.467,	5149.161,	0.0,	0.0	!	!END!
4921	!	X =	692.567,	5149.161,	0.0,	0.0	!	!END!
4922	!	X =	692.667,	5149.161,	0.0,	0.0	!	!END!
4923	!	X =	692.767,	5149.161,	0.0,	0.0	!	!END!
4924	!	X =	692.867,	5149.161,	0.0,	0.0	!	!END!
4925	!	X =	692.967,	5149.161,	0.0,	0.0	!	!END!
4926	!	X =	693.067,	5149.161,	0.0,	0.0	!	!END!
4927	!	X =	693.167,	5149.161,	0.0,	0.0	!	!END!
4928	!	X =	693.267,	5149.161,	0.0,	0.0	!	!END!
4929	!	X =	693.367,	5149.161,	0.0,	0.0	!	!END!
4930	!	X =	693.467,	5149.161,	0.0,	0.0	!	!END!
4931	!	X =	693.567,	5149.161,	0.0,	0.0	!	!END!
4932	!	X =	693.667,	5149.161,	0.0,	0.0	!	!END!
4933	!	X =	693.767,	5149.161,	0.0,	0.0	!	!END!
4934	!	X =	693.867,	5149.161,	0.0,	0.0	!	!END!
4935	!	X =	693.967,	5149.161,	0.0,	0.0	!	!END!
4936	!	X =	694.067,	5149.161,	0.0,	0.0	!	!END!
4937	!	X =	694.167,	5149.161,	0.0,	0.0	!	!END!
4938	!	X =	694.267,	5149.161,	0.0,	0.0	!	!END!

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4939	!	X =	694.367,	5149.161,	0.0,	0.0	!	!END!
4940	!	X =	694.467,	5149.161,	0.0,	0.0	!	!END!
4941	!	X =	692.467,	5149.261,	0.0,	0.0	!	!END!
4942	!	X =	692.567,	5149.261,	0.0,	0.0	!	!END!
4943	!	X =	692.667,	5149.261,	0.0,	0.0	!	!END!
4944	!	X =	692.767,	5149.261,	0.0,	0.0	!	!END!
4945	!	X =	692.867,	5149.261,	0.0,	0.0	!	!END!
4946	!	X =	692.967,	5149.261,	0.0,	0.0	!	!END!
4947	!	X =	693.067,	5149.261,	0.0,	0.0	!	!END!
4948	!	X =	693.167,	5149.261,	0.0,	0.0	!	!END!
4949	!	X =	693.267,	5149.261,	0.0,	0.0	!	!END!
4950	!	X =	693.367,	5149.261,	0.0,	0.0	!	!END!
4951	!	X =	693.467,	5149.261,	0.0,	0.0	!	!END!
4952	!	X =	693.567,	5149.261,	0.0,	0.0	!	!END!
4953	!	X =	693.667,	5149.261,	0.0,	0.0	!	!END!
4954	!	X =	693.767,	5149.261,	0.0,	0.0	!	!END!
4955	!	X =	693.867,	5149.261,	0.0,	0.0	!	!END!
4956	!	X =	693.967,	5149.261,	0.0,	0.0	!	!END!
4957	!	X =	694.067,	5149.261,	0.0,	0.0	!	!END!
4958	!	X =	694.167,	5149.261,	0.0,	0.0	!	!END!
4959	!	X =	694.267,	5149.261,	0.0,	0.0	!	!END!
4960	!	X =	694.367,	5149.261,	0.0,	0.0	!	!END!
4961	!	X =	694.467,	5149.261,	0.0,	0.0	!	!END!
4962	!	X =	692.467,	5149.361,	0.0,	0.0	!	!END!
4963	!	X =	692.567,	5149.361,	0.0,	0.0	!	!END!
4964	!	X =	692.667,	5149.361,	0.0,	0.0	!	!END!
4965	!	X =	692.767,	5149.361,	0.0,	0.0	!	!END!
4966	!	X =	692.867,	5149.361,	0.0,	0.0	!	!END!
4967	!	X =	692.967,	5149.361,	0.0,	0.0	!	!END!
4968	!	X =	693.067,	5149.361,	0.0,	0.0	!	!END!
4969	!	X =	693.167,	5149.361,	0.0,	0.0	!	!END!
4970	!	X =	693.267,	5149.361,	0.0,	0.0	!	!END!
4971	!	X =	693.367,	5149.361,	0.0,	0.0	!	!END!
4972	!	X =	693.467,	5149.361,	0.0,	0.0	!	!END!
4973	!	X =	693.567,	5149.361,	0.0,	0.0	!	!END!
4974	!	X =	693.667,	5149.361,	0.0,	0.0	!	!END!
4975	!	X =	693.767,	5149.361,	0.0,	0.0	!	!END!
4976	!	X =	693.867,	5149.361,	0.0,	0.0	!	!END!
4977	!	X =	693.967,	5149.361,	0.0,	0.0	!	!END!
4978	!	X =	694.067,	5149.361,	0.0,	0.0	!	!END!
4979	!	X =	694.167,	5149.361,	0.0,	0.0	!	!END!
4980	!	X =	694.267,	5149.361,	0.0,	0.0	!	!END!
4981	!	X =	694.367,	5149.361,	0.0,	0.0	!	!END!
4982	!	X =	694.467,	5149.361,	0.0,	0.0	!	!END!
4983	!	X =	692.467,	5149.461,	0.0,	0.0	!	!END!
4984	!	X =	692.567,	5149.461,	0.0,	0.0	!	!END!
4985	!	X =	692.667,	5149.461,	0.0,	0.0	!	!END!
4986	!	X =	692.767,	5149.461,	0.0,	0.0	!	!END!
4987	!	X =	692.867,	5149.461,	0.0,	0.0	!	!END!
4988	!	X =	692.967,	5149.461,	0.0,	0.0	!	!END!
4989	!	X =	693.067,	5149.461,	0.0,	0.0	!	!END!
4990	!	X =	693.167,	5149.461,	0.0,	0.0	!	!END!
4991	!	X =	693.267,	5149.461,	0.0,	0.0	!	!END!
4992	!	X =	693.367,	5149.461,	0.0,	0.0	!	!END!
4993	!	X =	693.467,	5149.461,	0.0,	0.0	!	!END!
4994	!	X =	693.567,	5149.461,	0.0,	0.0	!	!END!
4995	!	X =	693.667,	5149.461,	0.0,	0.0	!	!END!
4996	!	X =	693.767,	5149.461,	0.0,	0.0	!	!END!
4997	!	X =	693.867,	5149.461,	0.0,	0.0	!	!END!
4998	!	X =	693.967,	5149.461,	0.0,	0.0	!	!END!
4999	!	X =	694.067,	5149.461,	0.0,	0.0	!	!END!
5000	!	X =	694.167,	5149.461,	0.0,	0.0	!	!END!
5001	!	X =	694.267,	5149.461,	0.0,	0.0	!	!END!

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5128	!	X =	692.767,	5150.661,	0.0,	0.0	!	!END!
5129	!	X =	692.867,	5150.661,	0.0,	0.0	!	!END!
5130	!	X =	694.067,	5150.661,	0.0,	0.0	!	!END!
5131	!	X =	694.167,	5150.661,	0.0,	0.0	!	!END!
5132	!	X =	694.267,	5150.661,	0.0,	0.0	!	!END!
5133	!	X =	694.367,	5150.661,	0.0,	0.0	!	!END!
5134	!	X =	694.467,	5150.661,	0.0,	0.0	!	!END!
5135	!	X =	692.467,	5150.761,	0.0,	0.0	!	!END!
5136	!	X =	692.567,	5150.761,	0.0,	0.0	!	!END!
5137	!	X =	692.667,	5150.761,	0.0,	0.0	!	!END!
5138	!	X =	692.767,	5150.761,	0.0,	0.0	!	!END!
5139	!	X =	692.867,	5150.761,	0.0,	0.0	!	!END!
5140	!	X =	692.967,	5150.761,	0.0,	0.0	!	!END!
5141	!	X =	693.067,	5150.761,	0.0,	0.0	!	!END!
5142	!	X =	693.167,	5150.761,	0.0,	0.0	!	!END!
5143	!	X =	693.267,	5150.761,	0.0,	0.0	!	!END!
5144	!	X =	693.367,	5150.761,	0.0,	0.0	!	!END!
5145	!	X =	693.467,	5150.761,	0.0,	0.0	!	!END!
5146	!	X =	693.567,	5150.761,	0.0,	0.0	!	!END!
5147	!	X =	693.667,	5150.761,	0.0,	0.0	!	!END!
5148	!	X =	693.767,	5150.761,	0.0,	0.0	!	!END!
5149	!	X =	693.867,	5150.761,	0.0,	0.0	!	!END!
5150	!	X =	693.967,	5150.761,	0.0,	0.0	!	!END!
5151	!	X =	694.067,	5150.761,	0.0,	0.0	!	!END!
5152	!	X =	694.167,	5150.761,	0.0,	0.0	!	!END!
5153	!	X =	694.267,	5150.761,	0.0,	0.0	!	!END!
5154	!	X =	694.367,	5150.761,	0.0,	0.0	!	!END!
5155	!	X =	694.467,	5150.761,	0.0,	0.0	!	!END!
5156	!	X =	692.467,	5150.861,	0.0,	0.0	!	!END!
5157	!	X =	692.567,	5150.861,	0.0,	0.0	!	!END!
5158	!	X =	692.667,	5150.861,	0.0,	0.0	!	!END!
5159	!	X =	692.767,	5150.861,	0.0,	0.0	!	!END!
5160	!	X =	692.867,	5150.861,	0.0,	0.0	!	!END!
5161	!	X =	692.967,	5150.861,	0.0,	0.0	!	!END!
5162	!	X =	693.067,	5150.861,	0.0,	0.0	!	!END!
5163	!	X =	693.167,	5150.861,	0.0,	0.0	!	!END!
5164	!	X =	693.267,	5150.861,	0.0,	0.0	!	!END!
5165	!	X =	693.367,	5150.861,	0.0,	0.0	!	!END!
5166	!	X =	693.467,	5150.861,	0.0,	0.0	!	!END!
5167	!	X =	693.567,	5150.861,	0.0,	0.0	!	!END!
5168	!	X =	693.667,	5150.861,	0.0,	0.0	!	!END!
5169	!	X =	693.767,	5150.861,	0.0,	0.0	!	!END!
5170	!	X =	693.867,	5150.861,	0.0,	0.0	!	!END!
5171	!	X =	693.967,	5150.861,	0.0,	0.0	!	!END!
5172	!	X =	694.067,	5150.861,	0.0,	0.0	!	!END!
5173	!	X =	694.167,	5150.861,	0.0,	0.0	!	!END!
5174	!	X =	694.267,	5150.861,	0.0,	0.0	!	!END!
5175	!	X =	694.367,	5150.861,	0.0,	0.0	!	!END!
5176	!	X =	694.467,	5150.861,	0.0,	0.0	!	!END!
5177	!	X =	692.467,	5150.961,	0.0,	0.0	!	!END!
5178	!	X =	692.567,	5150.961,	0.0,	0.0	!	!END!
5179	!	X =	692.667,	5150.961,	0.0,	0.0	!	!END!
5180	!	X =	692.767,	5150.961,	0.0,	0.0	!	!END!
5181	!	X =	692.867,	5150.961,	0.0,	0.0	!	!END!
5182	!	X =	692.967,	5150.961,	0.0,	0.0	!	!END!
5183	!	X =	693.067,	5150.961,	0.0,	0.0	!	!END!
5184	!	X =	693.167,	5150.961,	0.0,	0.0	!	!END!
5185	!	X =	693.267,	5150.961,	0.0,	0.0	!	!END!
5186	!	X =	693.367,	5150.961,	0.0,	0.0	!	!END!
5187	!	X =	693.467,	5150.961,	0.0,	0.0	!	!END!
5188	!	X =	693.567,	5150.961,	0.0,	0.0	!	!END!
5189	!	X =	693.667,	5150.961,	0.0,	0.0	!	!END!
5190	!	X =	693.767,	5150.961,	0.0,	0.0	!	!END!

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5191	!	X =	693.867,	5150.961,	0.0,	0.0	!	!END!
5192	!	X =	693.967,	5150.961,	0.0,	0.0	!	!END!
5193	!	X =	694.067,	5150.961,	0.0,	0.0	!	!END!
5194	!	X =	694.167,	5150.961,	0.0,	0.0	!	!END!
5195	!	X =	694.267,	5150.961,	0.0,	0.0	!	!END!
5196	!	X =	694.367,	5150.961,	0.0,	0.0	!	!END!
5197	!	X =	694.467,	5150.961,	0.0,	0.0	!	!END!
5198	!	X =	692.467,	5151.061,	0.0,	0.0	!	!END!
5199	!	X =	692.567,	5151.061,	0.0,	0.0	!	!END!
5200	!	X =	692.667,	5151.061,	0.0,	0.0	!	!END!
5201	!	X =	692.767,	5151.061,	0.0,	0.0	!	!END!
5202	!	X =	692.867,	5151.061,	0.0,	0.0	!	!END!
5203	!	X =	692.967,	5151.061,	0.0,	0.0	!	!END!
5204	!	X =	693.067,	5151.061,	0.0,	0.0	!	!END!
5205	!	X =	693.167,	5151.061,	0.0,	0.0	!	!END!
5206	!	X =	693.267,	5151.061,	0.0,	0.0	!	!END!
5207	!	X =	693.367,	5151.061,	0.0,	0.0	!	!END!
5208	!	X =	693.467,	5151.061,	0.0,	0.0	!	!END!
5209	!	X =	693.567,	5151.061,	0.0,	0.0	!	!END!
5210	!	X =	693.667,	5151.061,	0.0,	0.0	!	!END!
5211	!	X =	693.767,	5151.061,	0.0,	0.0	!	!END!
5212	!	X =	693.867,	5151.061,	0.0,	0.0	!	!END!
5213	!	X =	693.967,	5151.061,	0.0,	0.0	!	!END!
5214	!	X =	694.067,	5151.061,	0.0,	0.0	!	!END!
5215	!	X =	694.167,	5151.061,	0.0,	0.0	!	!END!
5216	!	X =	694.267,	5151.061,	0.0,	0.0	!	!END!
5217	!	X =	694.367,	5151.061,	0.0,	0.0	!	!END!
5218	!	X =	694.467,	5151.061,	0.0,	0.0	!	!END!
5219	!	X =	692.467,	5151.161,	0.0,	0.0	!	!END!
5220	!	X =	692.567,	5151.161,	0.0,	0.0	!	!END!
5221	!	X =	692.667,	5151.161,	0.0,	0.0	!	!END!
5222	!	X =	692.767,	5151.161,	0.0,	0.0	!	!END!
5223	!	X =	692.867,	5151.161,	0.0,	0.0	!	!END!
5224	!	X =	692.967,	5151.161,	0.0,	0.0	!	!END!
5225	!	X =	693.067,	5151.161,	0.0,	0.0	!	!END!
5226	!	X =	693.167,	5151.161,	0.0,	0.0	!	!END!
5227	!	X =	693.267,	5151.161,	0.0,	0.0	!	!END!
5228	!	X =	693.367,	5151.161,	0.0,	0.0	!	!END!
5229	!	X =	693.467,	5151.161,	0.0,	0.0	!	!END!
5230	!	X =	693.567,	5151.161,	0.0,	0.0	!	!END!
5231	!	X =	693.667,	5151.161,	0.0,	0.0	!	!END!
5232	!	X =	693.767,	5151.161,	0.0,	0.0	!	!END!
5233	!	X =	693.867,	5151.161,	0.0,	0.0	!	!END!
5234	!	X =	693.967,	5151.161,	0.0,	0.0	!	!END!
5235	!	X =	694.067,	5151.161,	0.0,	0.0	!	!END!
5236	!	X =	694.167,	5151.161,	0.0,	0.0	!	!END!
5237	!	X =	694.267,	5151.161,	0.0,	0.0	!	!END!
5238	!	X =	694.367,	5151.161,	0.0,	0.0	!	!END!
5239	!	X =	694.467,	5151.161,	0.0,	0.0	!	!END!
5240	!	X =	691.467,	5148.161,	0.0,	0.0	!	!END!
5241	!	X =	691.667,	5148.161,	0.0,	0.0	!	!END!
5242	!	X =	691.867,	5148.161,	0.0,	0.0	!	!END!
5243	!	X =	692.067,	5148.161,	0.0,	0.0	!	!END!
5244	!	X =	692.267,	5148.161,	0.0,	0.0	!	!END!
5245	!	X =	692.467,	5148.161,	0.0,	0.0	!	!END!
5246	!	X =	692.667,	5148.161,	0.0,	0.0	!	!END!
5247	!	X =	692.867,	5148.161,	0.0,	0.0	!	!END!
5248	!	X =	693.067,	5148.161,	0.0,	0.0	!	!END!
5249	!	X =	693.267,	5148.161,	0.0,	0.0	!	!END!
5250	!	X =	693.467,	5148.161,	0.0,	0.0	!	!END!
5251	!	X =	693.667,	5148.161,	0.0,	0.0	!	!END!
5252	!	X =	693.867,	5148.161,	0.0,	0.0	!	!END!
5253	!	X =	694.067,	5148.161,	0.0,	0.0	!	!END!

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5254	!	X =	694.267,	5148.161,	0.0,	0.0	!	!END!
5255	!	X =	694.467,	5148.161,	0.0,	0.0	!	!END!
5256	!	X =	694.667,	5148.161,	0.0,	0.0	!	!END!
5257	!	X =	694.867,	5148.161,	0.0,	0.0	!	!END!
5258	!	X =	695.067,	5148.161,	0.0,	0.0	!	!END!
5259	!	X =	695.267,	5148.161,	0.0,	0.0	!	!END!
5260	!	X =	695.467,	5148.161,	0.0,	0.0	!	!END!
5261	!	X =	691.467,	5148.361,	0.0,	0.0	!	!END!
5262	!	X =	691.667,	5148.361,	0.0,	0.0	!	!END!
5263	!	X =	691.867,	5148.361,	0.0,	0.0	!	!END!
5264	!	X =	692.067,	5148.361,	0.0,	0.0	!	!END!
5265	!	X =	692.267,	5148.361,	0.0,	0.0	!	!END!
5266	!	X =	692.467,	5148.361,	0.0,	0.0	!	!END!
5267	!	X =	692.667,	5148.361,	0.0,	0.0	!	!END!
5268	!	X =	692.867,	5148.361,	0.0,	0.0	!	!END!
5269	!	X =	693.067,	5148.361,	0.0,	0.0	!	!END!
5270	!	X =	693.267,	5148.361,	0.0,	0.0	!	!END!
5271	!	X =	693.467,	5148.361,	0.0,	0.0	!	!END!
5272	!	X =	693.667,	5148.361,	0.0,	0.0	!	!END!
5273	!	X =	693.867,	5148.361,	0.0,	0.0	!	!END!
5274	!	X =	694.067,	5148.361,	0.0,	0.0	!	!END!
5275	!	X =	694.267,	5148.361,	0.0,	0.0	!	!END!
5276	!	X =	694.467,	5148.361,	0.0,	0.0	!	!END!
5277	!	X =	694.667,	5148.361,	0.0,	0.0	!	!END!
5278	!	X =	694.867,	5148.361,	0.0,	0.0	!	!END!
5279	!	X =	695.067,	5148.361,	0.0,	0.0	!	!END!
5280	!	X =	695.267,	5148.361,	0.0,	0.0	!	!END!
5281	!	X =	695.467,	5148.361,	0.0,	0.0	!	!END!
5282	!	X =	691.467,	5148.561,	0.0,	0.0	!	!END!
5283	!	X =	691.667,	5148.561,	0.0,	0.0	!	!END!
5284	!	X =	691.867,	5148.561,	0.0,	0.0	!	!END!
5285	!	X =	692.067,	5148.561,	0.0,	0.0	!	!END!
5286	!	X =	692.267,	5148.561,	0.0,	0.0	!	!END!
5287	!	X =	692.467,	5148.561,	0.0,	0.0	!	!END!
5288	!	X =	692.667,	5148.561,	0.0,	0.0	!	!END!
5289	!	X =	692.867,	5148.561,	0.0,	0.0	!	!END!
5290	!	X =	693.067,	5148.561,	0.0,	0.0	!	!END!
5291	!	X =	693.267,	5148.561,	0.0,	0.0	!	!END!
5292	!	X =	693.467,	5148.561,	0.0,	0.0	!	!END!
5293	!	X =	693.667,	5148.561,	0.0,	0.0	!	!END!
5294	!	X =	693.867,	5148.561,	0.0,	0.0	!	!END!
5295	!	X =	694.067,	5148.561,	0.0,	0.0	!	!END!
5296	!	X =	694.267,	5148.561,	0.0,	0.0	!	!END!
5297	!	X =	694.467,	5148.561,	0.0,	0.0	!	!END!
5298	!	X =	694.667,	5148.561,	0.0,	0.0	!	!END!
5299	!	X =	694.867,	5148.561,	0.0,	0.0	!	!END!
5300	!	X =	695.067,	5148.561,	0.0,	0.0	!	!END!
5301	!	X =	695.267,	5148.561,	0.0,	0.0	!	!END!
5302	!	X =	695.467,	5148.561,	0.0,	0.0	!	!END!
5303	!	X =	691.467,	5148.761,	0.0,	0.0	!	!END!
5304	!	X =	691.667,	5148.761,	0.0,	0.0	!	!END!
5305	!	X =	691.867,	5148.761,	0.0,	0.0	!	!END!
5306	!	X =	692.067,	5148.761,	0.0,	0.0	!	!END!
5307	!	X =	692.267,	5148.761,	0.0,	0.0	!	!END!
5308	!	X =	692.467,	5148.761,	0.0,	0.0	!	!END!
5309	!	X =	692.667,	5148.761,	0.0,	0.0	!	!END!
5310	!	X =	692.867,	5148.761,	0.0,	0.0	!	!END!
5311	!	X =	693.067,	5148.761,	0.0,	0.0	!	!END!
5312	!	X =	693.267,	5148.761,	0.0,	0.0	!	!END!
5313	!	X =	693.467,	5148.761,	0.0,	0.0	!	!END!
5314	!	X =	693.667,	5148.761,	0.0,	0.0	!	!END!
5315	!	X =	693.867,	5148.761,	0.0,	0.0	!	!END!
5316	!	X =	694.067,	5148.761,	0.0,	0.0	!	!END!

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5317	!	X =	694.267,	5148.761,	0.0,	0.0	!	!END!
5318	!	X =	694.467,	5148.761,	0.0,	0.0	!	!END!
5319	!	X =	694.667,	5148.761,	0.0,	0.0	!	!END!
5320	!	X =	694.867,	5148.761,	0.0,	0.0	!	!END!
5321	!	X =	695.067,	5148.761,	0.0,	0.0	!	!END!
5322	!	X =	695.267,	5148.761,	0.0,	0.0	!	!END!
5323	!	X =	695.467,	5148.761,	0.0,	0.0	!	!END!
5324	!	X =	691.467,	5148.961,	0.0,	0.0	!	!END!
5325	!	X =	691.667,	5148.961,	0.0,	0.0	!	!END!
5326	!	X =	691.867,	5148.961,	0.0,	0.0	!	!END!
5327	!	X =	692.067,	5148.961,	0.0,	0.0	!	!END!
5328	!	X =	692.267,	5148.961,	0.0,	0.0	!	!END!
5329	!	X =	692.467,	5148.961,	0.0,	0.0	!	!END!
5330	!	X =	692.667,	5148.961,	0.0,	0.0	!	!END!
5331	!	X =	692.867,	5148.961,	0.0,	0.0	!	!END!
5332	!	X =	693.067,	5148.961,	0.0,	0.0	!	!END!
5333	!	X =	693.267,	5148.961,	0.0,	0.0	!	!END!
5334	!	X =	693.467,	5148.961,	0.0,	0.0	!	!END!
5335	!	X =	693.667,	5148.961,	0.0,	0.0	!	!END!
5336	!	X =	693.867,	5148.961,	0.0,	0.0	!	!END!
5337	!	X =	694.067,	5148.961,	0.0,	0.0	!	!END!
5338	!	X =	694.267,	5148.961,	0.0,	0.0	!	!END!
5339	!	X =	694.467,	5148.961,	0.0,	0.0	!	!END!
5340	!	X =	694.667,	5148.961,	0.0,	0.0	!	!END!
5341	!	X =	694.867,	5148.961,	0.0,	0.0	!	!END!
5342	!	X =	695.067,	5148.961,	0.0,	0.0	!	!END!
5343	!	X =	695.267,	5148.961,	0.0,	0.0	!	!END!
5344	!	X =	695.467,	5148.961,	0.0,	0.0	!	!END!
5345	!	X =	691.467,	5149.161,	0.0,	0.0	!	!END!
5346	!	X =	691.667,	5149.161,	0.0,	0.0	!	!END!
5347	!	X =	691.867,	5149.161,	0.0,	0.0	!	!END!
5348	!	X =	692.067,	5149.161,	0.0,	0.0	!	!END!
5349	!	X =	692.267,	5149.161,	0.0,	0.0	!	!END!
5350	!	X =	694.667,	5149.161,	0.0,	0.0	!	!END!
5351	!	X =	694.867,	5149.161,	0.0,	0.0	!	!END!
5352	!	X =	695.067,	5149.161,	0.0,	0.0	!	!END!
5353	!	X =	695.267,	5149.161,	0.0,	0.0	!	!END!
5354	!	X =	695.467,	5149.161,	0.0,	0.0	!	!END!
5355	!	X =	691.467,	5149.361,	0.0,	0.0	!	!END!
5356	!	X =	691.667,	5149.361,	0.0,	0.0	!	!END!
5357	!	X =	691.867,	5149.361,	0.0,	0.0	!	!END!
5358	!	X =	692.067,	5149.361,	0.0,	0.0	!	!END!
5359	!	X =	692.267,	5149.361,	0.0,	0.0	!	!END!
5360	!	X =	694.667,	5149.361,	0.0,	0.0	!	!END!
5361	!	X =	694.867,	5149.361,	0.0,	0.0	!	!END!
5362	!	X =	695.067,	5149.361,	0.0,	0.0	!	!END!
5363	!	X =	695.267,	5149.361,	0.0,	0.0	!	!END!
5364	!	X =	695.467,	5149.361,	0.0,	0.0	!	!END!
5365	!	X =	691.467,	5149.561,	0.0,	0.0	!	!END!
5366	!	X =	691.667,	5149.561,	0.0,	0.0	!	!END!
5367	!	X =	691.867,	5149.561,	0.0,	0.0	!	!END!
5368	!	X =	692.067,	5149.561,	0.0,	0.0	!	!END!
5369	!	X =	692.267,	5149.561,	0.0,	0.0	!	!END!
5370	!	X =	694.667,	5149.561,	0.0,	0.0	!	!END!
5371	!	X =	694.867,	5149.561,	0.0,	0.0	!	!END!
5372	!	X =	695.067,	5149.561,	0.0,	0.0	!	!END!
5373	!	X =	695.267,	5149.561,	0.0,	0.0	!	!END!
5374	!	X =	695.467,	5149.561,	0.0,	0.0	!	!END!
5375	!	X =	691.467,	5149.761,	0.0,	0.0	!	!END!
5376	!	X =	691.667,	5149.761,	0.0,	0.0	!	!END!
5377	!	X =	691.867,	5149.761,	0.0,	0.0	!	!END!
5378	!	X =	692.067,	5149.761,	0.0,	0.0	!	!END!
5379	!	X =	692.267,	5149.761,	0.0,	0.0	!	!END!

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5443	!	X =	695.267,	5150.961,	0.0,	0.0	!	!END!
5444	!	X =	695.467,	5150.961,	0.0,	0.0	!	!END!
5445	!	X =	691.467,	5151.161,	0.0,	0.0	!	!END!
5446	!	X =	691.667,	5151.161,	0.0,	0.0	!	!END!
5447	!	X =	691.867,	5151.161,	0.0,	0.0	!	!END!
5448	!	X =	692.067,	5151.161,	0.0,	0.0	!	!END!
5449	!	X =	692.267,	5151.161,	0.0,	0.0	!	!END!
5450	!	X =	694.667,	5151.161,	0.0,	0.0	!	!END!
5451	!	X =	694.867,	5151.161,	0.0,	0.0	!	!END!
5452	!	X =	695.067,	5151.161,	0.0,	0.0	!	!END!
5453	!	X =	695.267,	5151.161,	0.0,	0.0	!	!END!
5454	!	X =	695.467,	5151.161,	0.0,	0.0	!	!END!
5455	!	X =	691.467,	5151.361,	0.0,	0.0	!	!END!
5456	!	X =	691.667,	5151.361,	0.0,	0.0	!	!END!
5457	!	X =	691.867,	5151.361,	0.0,	0.0	!	!END!
5458	!	X =	692.067,	5151.361,	0.0,	0.0	!	!END!
5459	!	X =	692.267,	5151.361,	0.0,	0.0	!	!END!
5460	!	X =	692.467,	5151.361,	0.0,	0.0	!	!END!
5461	!	X =	692.667,	5151.361,	0.0,	0.0	!	!END!
5462	!	X =	692.867,	5151.361,	0.0,	0.0	!	!END!
5463	!	X =	693.067,	5151.361,	0.0,	0.0	!	!END!
5464	!	X =	693.267,	5151.361,	0.0,	0.0	!	!END!
5465	!	X =	693.467,	5151.361,	0.0,	0.0	!	!END!
5466	!	X =	693.667,	5151.361,	0.0,	0.0	!	!END!
5467	!	X =	693.867,	5151.361,	0.0,	0.0	!	!END!
5468	!	X =	694.067,	5151.361,	0.0,	0.0	!	!END!
5469	!	X =	694.267,	5151.361,	0.0,	0.0	!	!END!
5470	!	X =	694.467,	5151.361,	0.0,	0.0	!	!END!
5471	!	X =	694.667,	5151.361,	0.0,	0.0	!	!END!
5472	!	X =	694.867,	5151.361,	0.0,	0.0	!	!END!
5473	!	X =	695.067,	5151.361,	0.0,	0.0	!	!END!
5474	!	X =	695.267,	5151.361,	0.0,	0.0	!	!END!
5475	!	X =	695.467,	5151.361,	0.0,	0.0	!	!END!
5476	!	X =	691.467,	5151.561,	0.0,	0.0	!	!END!
5477	!	X =	691.667,	5151.561,	0.0,	0.0	!	!END!
5478	!	X =	691.867,	5151.561,	0.0,	0.0	!	!END!
5479	!	X =	692.067,	5151.561,	0.0,	0.0	!	!END!
5480	!	X =	692.267,	5151.561,	0.0,	0.0	!	!END!
5481	!	X =	692.467,	5151.561,	0.0,	0.0	!	!END!
5482	!	X =	692.667,	5151.561,	0.0,	0.0	!	!END!
5483	!	X =	692.867,	5151.561,	0.0,	0.0	!	!END!
5484	!	X =	693.067,	5151.561,	0.0,	0.0	!	!END!
5485	!	X =	693.267,	5151.561,	0.0,	0.0	!	!END!
5486	!	X =	693.467,	5151.561,	0.0,	0.0	!	!END!
5487	!	X =	693.667,	5151.561,	0.0,	0.0	!	!END!
5488	!	X =	693.867,	5151.561,	0.0,	0.0	!	!END!
5489	!	X =	694.067,	5151.561,	0.0,	0.0	!	!END!
5490	!	X =	694.267,	5151.561,	0.0,	0.0	!	!END!
5491	!	X =	694.467,	5151.561,	0.0,	0.0	!	!END!
5492	!	X =	694.667,	5151.561,	0.0,	0.0	!	!END!
5493	!	X =	694.867,	5151.561,	0.0,	0.0	!	!END!
5494	!	X =	695.067,	5151.561,	0.0,	0.0	!	!END!
5495	!	X =	695.267,	5151.561,	0.0,	0.0	!	!END!
5496	!	X =	695.467,	5151.561,	0.0,	0.0	!	!END!
5497	!	X =	691.467,	5151.761,	0.0,	0.0	!	!END!
5498	!	X =	691.667,	5151.761,	0.0,	0.0	!	!END!
5499	!	X =	691.867,	5151.761,	0.0,	0.0	!	!END!
5500	!	X =	692.067,	5151.761,	0.0,	0.0	!	!END!
5501	!	X =	692.267,	5151.761,	0.0,	0.0	!	!END!
5502	!	X =	692.467,	5151.761,	0.0,	0.0	!	!END!
5503	!	X =	692.667,	5151.761,	0.0,	0.0	!	!END!
5504	!	X =	692.867,	5151.761,	0.0,	0.0	!	!END!
5505	!	X =	693.067,	5151.761,	0.0,	0.0	!	!END!

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5506	!	X =	693.267,	5151.761,	0.0,	0.0	!	!END!
5507	!	X =	693.467,	5151.761,	0.0,	0.0	!	!END!
5508	!	X =	693.667,	5151.761,	0.0,	0.0	!	!END!
5509	!	X =	693.867,	5151.761,	0.0,	0.0	!	!END!
5510	!	X =	694.067,	5151.761,	0.0,	0.0	!	!END!
5511	!	X =	694.267,	5151.761,	0.0,	0.0	!	!END!
5512	!	X =	694.467,	5151.761,	0.0,	0.0	!	!END!
5513	!	X =	694.667,	5151.761,	0.0,	0.0	!	!END!
5514	!	X =	694.867,	5151.761,	0.0,	0.0	!	!END!
5515	!	X =	695.067,	5151.761,	0.0,	0.0	!	!END!
5516	!	X =	695.267,	5151.761,	0.0,	0.0	!	!END!
5517	!	X =	695.467,	5151.761,	0.0,	0.0	!	!END!
5518	!	X =	691.467,	5151.961,	0.0,	0.0	!	!END!
5519	!	X =	691.667,	5151.961,	0.0,	0.0	!	!END!
5520	!	X =	691.867,	5151.961,	0.0,	0.0	!	!END!
5521	!	X =	692.067,	5151.961,	0.0,	0.0	!	!END!
5522	!	X =	692.267,	5151.961,	0.0,	0.0	!	!END!
5523	!	X =	692.467,	5151.961,	0.0,	0.0	!	!END!
5524	!	X =	692.667,	5151.961,	0.0,	0.0	!	!END!
5525	!	X =	692.867,	5151.961,	0.0,	0.0	!	!END!
5526	!	X =	693.067,	5151.961,	0.0,	0.0	!	!END!
5527	!	X =	693.267,	5151.961,	0.0,	0.0	!	!END!
5528	!	X =	693.467,	5151.961,	0.0,	0.0	!	!END!
5529	!	X =	693.667,	5151.961,	0.0,	0.0	!	!END!
5530	!	X =	693.867,	5151.961,	0.0,	0.0	!	!END!
5531	!	X =	694.067,	5151.961,	0.0,	0.0	!	!END!
5532	!	X =	694.267,	5151.961,	0.0,	0.0	!	!END!
5533	!	X =	694.467,	5151.961,	0.0,	0.0	!	!END!
5534	!	X =	694.667,	5151.961,	0.0,	0.0	!	!END!
5535	!	X =	694.867,	5151.961,	0.0,	0.0	!	!END!
5536	!	X =	695.067,	5151.961,	0.0,	0.0	!	!END!
5537	!	X =	695.267,	5151.961,	0.0,	0.0	!	!END!
5538	!	X =	695.467,	5151.961,	0.0,	0.0	!	!END!
5539	!	X =	691.467,	5152.161,	0.0,	0.0	!	!END!
5540	!	X =	691.667,	5152.161,	0.0,	0.0	!	!END!
5541	!	X =	691.867,	5152.161,	0.0,	0.0	!	!END!
5542	!	X =	692.067,	5152.161,	0.0,	0.0	!	!END!
5543	!	X =	692.267,	5152.161,	0.0,	0.0	!	!END!
5544	!	X =	692.467,	5152.161,	0.0,	0.0	!	!END!
5545	!	X =	692.667,	5152.161,	0.0,	0.0	!	!END!
5546	!	X =	692.867,	5152.161,	0.0,	0.0	!	!END!
5547	!	X =	693.067,	5152.161,	0.0,	0.0	!	!END!
5548	!	X =	693.267,	5152.161,	0.0,	0.0	!	!END!
5549	!	X =	693.467,	5152.161,	0.0,	0.0	!	!END!
5550	!	X =	693.667,	5152.161,	0.0,	0.0	!	!END!
5551	!	X =	693.867,	5152.161,	0.0,	0.0	!	!END!
5552	!	X =	694.067,	5152.161,	0.0,	0.0	!	!END!
5553	!	X =	694.267,	5152.161,	0.0,	0.0	!	!END!
5554	!	X =	694.467,	5152.161,	0.0,	0.0	!	!END!
5555	!	X =	694.667,	5152.161,	0.0,	0.0	!	!END!
5556	!	X =	694.867,	5152.161,	0.0,	0.0	!	!END!
5557	!	X =	695.067,	5152.161,	0.0,	0.0	!	!END!
5558	!	X =	695.267,	5152.161,	0.0,	0.0	!	!END!
5559	!	X =	695.467,	5152.161,	0.0,	0.0	!	!END!
5560	!	X =	692.492,	5158.125,	0.0,	0.0	!	!END!
5561	!	X =	692.542,	5158.125,	0.0,	0.0	!	!END!
5562	!	X =	692.592,	5158.125,	0.0,	0.0	!	!END!
5563	!	X =	692.642,	5158.125,	0.0,	0.0	!	!END!
5564	!	X =	692.692,	5158.125,	0.0,	0.0	!	!END!
5565	!	X =	692.742,	5158.125,	0.0,	0.0	!	!END!
5566	!	X =	692.792,	5158.125,	0.0,	0.0	!	!END!
5567	!	X =	692.842,	5158.125,	0.0,	0.0	!	!END!
5568	!	X =	692.892,	5158.125,	0.0,	0.0	!	!END!

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5569	!	X =	692.942,	5158.125,	0.0,	0.0	!	!END!
5570	!	X =	692.992,	5158.125,	0.0,	0.0	!	!END!
5571	!	X =	693.042,	5158.125,	0.0,	0.0	!	!END!
5572	!	X =	693.092,	5158.125,	0.0,	0.0	!	!END!
5573	!	X =	693.142,	5158.125,	0.0,	0.0	!	!END!
5574	!	X =	693.192,	5158.125,	0.0,	0.0	!	!END!
5575	!	X =	693.242,	5158.125,	0.0,	0.0	!	!END!
5576	!	X =	693.292,	5158.125,	0.0,	0.0	!	!END!
5577	!	X =	693.342,	5158.125,	0.0,	0.0	!	!END!
5578	!	X =	693.392,	5158.125,	0.0,	0.0	!	!END!
5579	!	X =	693.442,	5158.125,	0.0,	0.0	!	!END!
5580	!	X =	693.492,	5158.125,	0.0,	0.0	!	!END!
5581	!	X =	692.492,	5158.175,	0.0,	0.0	!	!END!
5582	!	X =	692.542,	5158.175,	0.0,	0.0	!	!END!
5583	!	X =	692.592,	5158.175,	0.0,	0.0	!	!END!
5584	!	X =	692.642,	5158.175,	0.0,	0.0	!	!END!
5585	!	X =	692.692,	5158.175,	0.0,	0.0	!	!END!
5586	!	X =	692.742,	5158.175,	0.0,	0.0	!	!END!
5587	!	X =	692.792,	5158.175,	0.0,	0.0	!	!END!
5588	!	X =	692.842,	5158.175,	0.0,	0.0	!	!END!
5589	!	X =	692.892,	5158.175,	0.0,	0.0	!	!END!
5590	!	X =	692.942,	5158.175,	0.0,	0.0	!	!END!
5591	!	X =	692.992,	5158.175,	0.0,	0.0	!	!END!
5592	!	X =	693.042,	5158.175,	0.0,	0.0	!	!END!
5593	!	X =	728.055,	5186.350,	0.0,	0.0	!	!END!
5594	!	X =	728.105,	5186.350,	0.0,	0.0	!	!END!
5595	!	X =	728.155,	5186.350,	0.0,	0.0	!	!END!
5596	!	X =	728.205,	5186.350,	0.0,	0.0	!	!END!
5597	!	X =	728.255,	5186.350,	0.0,	0.0	!	!END!
5598	!	X =	728.305,	5186.350,	0.0,	0.0	!	!END!
5599	!	X =	727.305,	5186.400,	0.0,	0.0	!	!END!
5600	!	X =	727.355,	5186.400,	0.0,	0.0	!	!END!
5601	!	X =	727.405,	5186.400,	0.0,	0.0	!	!END!
5602	!	X =	727.455,	5186.400,	0.0,	0.0	!	!END!
5603	!	X =	727.505,	5186.400,	0.0,	0.0	!	!END!
5604	!	X =	727.555,	5186.400,	0.0,	0.0	!	!END!
5605	!	X =	727.605,	5186.400,	0.0,	0.0	!	!END!
5606	!	X =	727.655,	5186.400,	0.0,	0.0	!	!END!
5607	!	X =	727.705,	5186.400,	0.0,	0.0	!	!END!
5608	!	X =	727.755,	5186.400,	0.0,	0.0	!	!END!
5609	!	X =	727.805,	5186.400,	0.0,	0.0	!	!END!
5610	!	X =	727.855,	5186.400,	0.0,	0.0	!	!END!
5611	!	X =	727.905,	5186.400,	0.0,	0.0	!	!END!
5612	!	X =	727.955,	5186.400,	0.0,	0.0	!	!END!
5613	!	X =	728.005,	5186.400,	0.0,	0.0	!	!END!
5614	!	X =	728.055,	5186.400,	0.0,	0.0	!	!END!
5615	!	X =	728.105,	5186.400,	0.0,	0.0	!	!END!
5616	!	X =	728.155,	5186.400,	0.0,	0.0	!	!END!
5617	!	X =	728.205,	5186.400,	0.0,	0.0	!	!END!
5618	!	X =	728.255,	5186.400,	0.0,	0.0	!	!END!
5619	!	X =	728.305,	5186.400,	0.0,	0.0	!	!END!
5620	!	X =	727.305,	5186.450,	0.0,	0.0	!	!END!
5621	!	X =	727.355,	5186.450,	0.0,	0.0	!	!END!
5622	!	X =	727.405,	5186.450,	0.0,	0.0	!	!END!
5623	!	X =	727.455,	5186.450,	0.0,	0.0	!	!END!
5624	!	X =	727.505,	5186.450,	0.0,	0.0	!	!END!
5625	!	X =	727.555,	5186.450,	0.0,	0.0	!	!END!
5626	!	X =	727.605,	5186.450,	0.0,	0.0	!	!END!
5627	!	X =	727.655,	5186.450,	0.0,	0.0	!	!END!
5628	!	X =	727.705,	5186.450,	0.0,	0.0	!	!END!
5629	!	X =	727.755,	5186.450,	0.0,	0.0	!	!END!
5630	!	X =	727.805,	5186.450,	0.0,	0.0	!	!END!
5631	!	X =	727.855,	5186.450,	0.0,	0.0	!	!END!

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5632	!	X =	727.905,	5186.450,	0.0,	0.0	!	!END!
5633	!	X =	727.955,	5186.450,	0.0,	0.0	!	!END!
5634	!	X =	728.005,	5186.450,	0.0,	0.0	!	!END!
5635	!	X =	728.055,	5186.450,	0.0,	0.0	!	!END!
5636	!	X =	728.105,	5186.450,	0.0,	0.0	!	!END!
5637	!	X =	728.155,	5186.450,	0.0,	0.0	!	!END!
5638	!	X =	728.205,	5186.450,	0.0,	0.0	!	!END!
5639	!	X =	728.255,	5186.450,	0.0,	0.0	!	!END!
5640	!	X =	728.305,	5186.450,	0.0,	0.0	!	!END!
5641	!	X =	727.305,	5186.500,	0.0,	0.0	!	!END!
5642	!	X =	727.355,	5186.500,	0.0,	0.0	!	!END!
5643	!	X =	727.405,	5186.500,	0.0,	0.0	!	!END!
5644	!	X =	727.455,	5186.500,	0.0,	0.0	!	!END!
5645	!	X =	727.505,	5186.500,	0.0,	0.0	!	!END!
5646	!	X =	727.555,	5186.500,	0.0,	0.0	!	!END!
5647	!	X =	727.605,	5186.500,	0.0,	0.0	!	!END!
5648	!	X =	727.655,	5186.500,	0.0,	0.0	!	!END!
5649	!	X =	727.705,	5186.500,	0.0,	0.0	!	!END!
5650	!	X =	727.755,	5186.500,	0.0,	0.0	!	!END!
5651	!	X =	727.805,	5186.500,	0.0,	0.0	!	!END!
5652	!	X =	727.855,	5186.500,	0.0,	0.0	!	!END!
5653	!	X =	727.905,	5186.500,	0.0,	0.0	!	!END!
5654	!	X =	727.955,	5186.500,	0.0,	0.0	!	!END!
5655	!	X =	728.005,	5186.500,	0.0,	0.0	!	!END!
5656	!	X =	728.055,	5186.500,	0.0,	0.0	!	!END!
5657	!	X =	728.105,	5186.500,	0.0,	0.0	!	!END!
5658	!	X =	728.155,	5186.500,	0.0,	0.0	!	!END!
5659	!	X =	728.205,	5186.500,	0.0,	0.0	!	!END!
5660	!	X =	728.255,	5186.500,	0.0,	0.0	!	!END!
5661	!	X =	728.305,	5186.500,	0.0,	0.0	!	!END!
5662	!	X =	727.305,	5186.550,	0.0,	0.0	!	!END!
5663	!	X =	727.355,	5186.550,	0.0,	0.0	!	!END!
5664	!	X =	727.405,	5186.550,	0.0,	0.0	!	!END!
5665	!	X =	727.455,	5186.550,	0.0,	0.0	!	!END!
5666	!	X =	727.505,	5186.550,	0.0,	0.0	!	!END!
5667	!	X =	727.555,	5186.550,	0.0,	0.0	!	!END!
5668	!	X =	727.605,	5186.550,	0.0,	0.0	!	!END!
5669	!	X =	727.655,	5186.550,	0.0,	0.0	!	!END!
5670	!	X =	727.705,	5186.550,	0.0,	0.0	!	!END!
5671	!	X =	727.755,	5186.550,	0.0,	0.0	!	!END!
5672	!	X =	727.805,	5186.550,	0.0,	0.0	!	!END!
5673	!	X =	727.855,	5186.550,	0.0,	0.0	!	!END!
5674	!	X =	727.905,	5186.550,	0.0,	0.0	!	!END!
5675	!	X =	727.955,	5186.550,	0.0,	0.0	!	!END!
5676	!	X =	728.005,	5186.550,	0.0,	0.0	!	!END!
5677	!	X =	728.055,	5186.550,	0.0,	0.0	!	!END!
5678	!	X =	728.105,	5186.550,	0.0,	0.0	!	!END!
5679	!	X =	728.155,	5186.550,	0.0,	0.0	!	!END!
5680	!	X =	728.205,	5186.550,	0.0,	0.0	!	!END!
5681	!	X =	728.255,	5186.550,	0.0,	0.0	!	!END!
5682	!	X =	728.305,	5186.550,	0.0,	0.0	!	!END!
5683	!	X =	727.305,	5186.600,	0.0,	0.0	!	!END!
5684	!	X =	727.355,	5186.600,	0.0,	0.0	!	!END!
5685	!	X =	727.405,	5186.600,	0.0,	0.0	!	!END!
5686	!	X =	727.455,	5186.600,	0.0,	0.0	!	!END!
5687	!	X =	727.505,	5186.600,	0.0,	0.0	!	!END!
5688	!	X =	727.555,	5186.600,	0.0,	0.0	!	!END!
5689	!	X =	727.605,	5186.600,	0.0,	0.0	!	!END!
5690	!	X =	727.655,	5186.600,	0.0,	0.0	!	!END!
5691	!	X =	727.705,	5186.600,	0.0,	0.0	!	!END!
5692	!	X =	727.755,	5186.600,	0.0,	0.0	!	!END!
5693	!	X =	727.805,	5186.600,	0.0,	0.0	!	!END!
5694	!	X =	727.855,	5186.600,	0.0,	0.0	!	!END!

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5695	!	X =	727.905,	5186.600,	0.0,	0.0	!	!END!
5696	!	X =	727.955,	5186.600,	0.0,	0.0	!	!END!
5697	!	X =	728.005,	5186.600,	0.0,	0.0	!	!END!
5698	!	X =	728.055,	5186.600,	0.0,	0.0	!	!END!
5699	!	X =	728.105,	5186.600,	0.0,	0.0	!	!END!
5700	!	X =	728.155,	5186.600,	0.0,	0.0	!	!END!
5701	!	X =	728.205,	5186.600,	0.0,	0.0	!	!END!
5702	!	X =	728.255,	5186.600,	0.0,	0.0	!	!END!
5703	!	X =	728.305,	5186.600,	0.0,	0.0	!	!END!
5704	!	X =	726.805,	5185.100,	0.0,	0.0	!	!END!
5705	!	X =	726.905,	5185.100,	0.0,	0.0	!	!END!
5706	!	X =	727.005,	5185.100,	0.0,	0.0	!	!END!
5707	!	X =	727.105,	5185.100,	0.0,	0.0	!	!END!
5708	!	X =	727.205,	5185.100,	0.0,	0.0	!	!END!
5709	!	X =	727.305,	5185.100,	0.0,	0.0	!	!END!
5710	!	X =	727.405,	5185.100,	0.0,	0.0	!	!END!
5711	!	X =	727.505,	5185.100,	0.0,	0.0	!	!END!
5712	!	X =	727.605,	5185.100,	0.0,	0.0	!	!END!
5713	!	X =	727.705,	5185.100,	0.0,	0.0	!	!END!
5714	!	X =	727.805,	5185.100,	0.0,	0.0	!	!END!
5715	!	X =	727.905,	5185.100,	0.0,	0.0	!	!END!
5716	!	X =	728.005,	5185.100,	0.0,	0.0	!	!END!
5717	!	X =	728.105,	5185.100,	0.0,	0.0	!	!END!
5718	!	X =	728.205,	5185.100,	0.0,	0.0	!	!END!
5719	!	X =	728.305,	5185.100,	0.0,	0.0	!	!END!
5720	!	X =	728.405,	5185.100,	0.0,	0.0	!	!END!
5721	!	X =	728.505,	5185.100,	0.0,	0.0	!	!END!
5722	!	X =	728.605,	5185.100,	0.0,	0.0	!	!END!
5723	!	X =	728.705,	5185.100,	0.0,	0.0	!	!END!
5724	!	X =	728.805,	5185.100,	0.0,	0.0	!	!END!
5725	!	X =	726.805,	5185.200,	0.0,	0.0	!	!END!
5726	!	X =	726.905,	5185.200,	0.0,	0.0	!	!END!
5727	!	X =	727.005,	5185.200,	0.0,	0.0	!	!END!
5728	!	X =	727.105,	5185.200,	0.0,	0.0	!	!END!
5729	!	X =	727.205,	5185.200,	0.0,	0.0	!	!END!
5730	!	X =	727.305,	5185.200,	0.0,	0.0	!	!END!
5731	!	X =	727.405,	5185.200,	0.0,	0.0	!	!END!
5732	!	X =	727.505,	5185.200,	0.0,	0.0	!	!END!
5733	!	X =	727.605,	5185.200,	0.0,	0.0	!	!END!
5734	!	X =	727.705,	5185.200,	0.0,	0.0	!	!END!
5735	!	X =	727.805,	5185.200,	0.0,	0.0	!	!END!
5736	!	X =	727.905,	5185.200,	0.0,	0.0	!	!END!
5737	!	X =	728.005,	5185.200,	0.0,	0.0	!	!END!
5738	!	X =	728.105,	5185.200,	0.0,	0.0	!	!END!
5739	!	X =	728.205,	5185.200,	0.0,	0.0	!	!END!
5740	!	X =	728.305,	5185.200,	0.0,	0.0	!	!END!
5741	!	X =	728.405,	5185.200,	0.0,	0.0	!	!END!
5742	!	X =	728.505,	5185.200,	0.0,	0.0	!	!END!
5743	!	X =	728.605,	5185.200,	0.0,	0.0	!	!END!
5744	!	X =	728.705,	5185.200,	0.0,	0.0	!	!END!
5745	!	X =	728.805,	5185.200,	0.0,	0.0	!	!END!
5746	!	X =	726.805,	5185.300,	0.0,	0.0	!	!END!
5747	!	X =	726.905,	5185.300,	0.0,	0.0	!	!END!
5748	!	X =	727.005,	5185.300,	0.0,	0.0	!	!END!
5749	!	X =	727.105,	5185.300,	0.0,	0.0	!	!END!
5750	!	X =	727.205,	5185.300,	0.0,	0.0	!	!END!
5751	!	X =	727.305,	5185.300,	0.0,	0.0	!	!END!
5752	!	X =	727.405,	5185.300,	0.0,	0.0	!	!END!
5753	!	X =	727.505,	5185.300,	0.0,	0.0	!	!END!
5754	!	X =	727.605,	5185.300,	0.0,	0.0	!	!END!
5755	!	X =	727.705,	5185.300,	0.0,	0.0	!	!END!
5756	!	X =	727.805,	5185.300,	0.0,	0.0	!	!END!
5757	!	X =	727.905,	5185.300,	0.0,	0.0	!	!END!

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5758	!	X =	728.005,	5185.300,	0.0,	0.0	!	!END!
5759	!	X =	728.105,	5185.300,	0.0,	0.0	!	!END!
5760	!	X =	728.205,	5185.300,	0.0,	0.0	!	!END!
5761	!	X =	728.305,	5185.300,	0.0,	0.0	!	!END!
5762	!	X =	728.405,	5185.300,	0.0,	0.0	!	!END!
5763	!	X =	728.505,	5185.300,	0.0,	0.0	!	!END!
5764	!	X =	728.605,	5185.300,	0.0,	0.0	!	!END!
5765	!	X =	728.705,	5185.300,	0.0,	0.0	!	!END!
5766	!	X =	728.805,	5185.300,	0.0,	0.0	!	!END!
5767	!	X =	726.805,	5185.400,	0.0,	0.0	!	!END!
5768	!	X =	726.905,	5185.400,	0.0,	0.0	!	!END!
5769	!	X =	727.005,	5185.400,	0.0,	0.0	!	!END!
5770	!	X =	727.105,	5185.400,	0.0,	0.0	!	!END!
5771	!	X =	727.205,	5185.400,	0.0,	0.0	!	!END!
5772	!	X =	727.305,	5185.400,	0.0,	0.0	!	!END!
5773	!	X =	727.405,	5185.400,	0.0,	0.0	!	!END!
5774	!	X =	727.505,	5185.400,	0.0,	0.0	!	!END!
5775	!	X =	727.605,	5185.400,	0.0,	0.0	!	!END!
5776	!	X =	727.705,	5185.400,	0.0,	0.0	!	!END!
5777	!	X =	727.805,	5185.400,	0.0,	0.0	!	!END!
5778	!	X =	727.905,	5185.400,	0.0,	0.0	!	!END!
5779	!	X =	728.005,	5185.400,	0.0,	0.0	!	!END!
5780	!	X =	728.105,	5185.400,	0.0,	0.0	!	!END!
5781	!	X =	728.205,	5185.400,	0.0,	0.0	!	!END!
5782	!	X =	728.305,	5185.400,	0.0,	0.0	!	!END!
5783	!	X =	728.405,	5185.400,	0.0,	0.0	!	!END!
5784	!	X =	728.505,	5185.400,	0.0,	0.0	!	!END!
5785	!	X =	728.605,	5185.400,	0.0,	0.0	!	!END!
5786	!	X =	728.705,	5185.400,	0.0,	0.0	!	!END!
5787	!	X =	728.805,	5185.400,	0.0,	0.0	!	!END!
5788	!	X =	726.805,	5185.500,	0.0,	0.0	!	!END!
5789	!	X =	726.905,	5185.500,	0.0,	0.0	!	!END!
5790	!	X =	727.005,	5185.500,	0.0,	0.0	!	!END!
5791	!	X =	727.105,	5185.500,	0.0,	0.0	!	!END!
5792	!	X =	727.205,	5185.500,	0.0,	0.0	!	!END!
5793	!	X =	727.305,	5185.500,	0.0,	0.0	!	!END!
5794	!	X =	727.405,	5185.500,	0.0,	0.0	!	!END!
5795	!	X =	727.505,	5185.500,	0.0,	0.0	!	!END!
5796	!	X =	727.605,	5185.500,	0.0,	0.0	!	!END!
5797	!	X =	727.705,	5185.500,	0.0,	0.0	!	!END!
5798	!	X =	727.805,	5185.500,	0.0,	0.0	!	!END!
5799	!	X =	727.905,	5185.500,	0.0,	0.0	!	!END!
5800	!	X =	728.005,	5185.500,	0.0,	0.0	!	!END!
5801	!	X =	728.105,	5185.500,	0.0,	0.0	!	!END!
5802	!	X =	728.205,	5185.500,	0.0,	0.0	!	!END!
5803	!	X =	728.305,	5185.500,	0.0,	0.0	!	!END!
5804	!	X =	728.405,	5185.500,	0.0,	0.0	!	!END!
5805	!	X =	728.505,	5185.500,	0.0,	0.0	!	!END!
5806	!	X =	728.605,	5185.500,	0.0,	0.0	!	!END!
5807	!	X =	728.705,	5185.500,	0.0,	0.0	!	!END!
5808	!	X =	728.805,	5185.500,	0.0,	0.0	!	!END!
5809	!	X =	726.805,	5185.600,	0.0,	0.0	!	!END!
5810	!	X =	726.905,	5185.600,	0.0,	0.0	!	!END!
5811	!	X =	727.005,	5185.600,	0.0,	0.0	!	!END!
5812	!	X =	727.105,	5185.600,	0.0,	0.0	!	!END!
5813	!	X =	727.205,	5185.600,	0.0,	0.0	!	!END!
5814	!	X =	728.405,	5185.600,	0.0,	0.0	!	!END!
5815	!	X =	728.505,	5185.600,	0.0,	0.0	!	!END!
5816	!	X =	728.605,	5185.600,	0.0,	0.0	!	!END!
5817	!	X =	728.705,	5185.600,	0.0,	0.0	!	!END!
5818	!	X =	728.805,	5185.600,	0.0,	0.0	!	!END!
5819	!	X =	726.805,	5185.700,	0.0,	0.0	!	!END!
5820	!	X =	726.905,	5185.700,	0.0,	0.0	!	!END!

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5947	!	X =	727.505,	5186.800,	0.0,	0.0	!	!END!
5948	!	X =	727.605,	5186.800,	0.0,	0.0	!	!END!
5949	!	X =	727.705,	5186.800,	0.0,	0.0	!	!END!
5950	!	X =	727.805,	5186.800,	0.0,	0.0	!	!END!
5951	!	X =	727.905,	5186.800,	0.0,	0.0	!	!END!
5952	!	X =	728.005,	5186.800,	0.0,	0.0	!	!END!
5953	!	X =	728.105,	5186.800,	0.0,	0.0	!	!END!
5954	!	X =	728.205,	5186.800,	0.0,	0.0	!	!END!
5955	!	X =	728.305,	5186.800,	0.0,	0.0	!	!END!
5956	!	X =	728.405,	5186.800,	0.0,	0.0	!	!END!
5957	!	X =	728.505,	5186.800,	0.0,	0.0	!	!END!
5958	!	X =	728.605,	5186.800,	0.0,	0.0	!	!END!
5959	!	X =	728.705,	5186.800,	0.0,	0.0	!	!END!
5960	!	X =	728.805,	5186.800,	0.0,	0.0	!	!END!
5961	!	X =	726.805,	5186.900,	0.0,	0.0	!	!END!
5962	!	X =	726.905,	5186.900,	0.0,	0.0	!	!END!
5963	!	X =	727.005,	5186.900,	0.0,	0.0	!	!END!
5964	!	X =	727.105,	5186.900,	0.0,	0.0	!	!END!
5965	!	X =	727.205,	5186.900,	0.0,	0.0	!	!END!
5966	!	X =	727.305,	5186.900,	0.0,	0.0	!	!END!
5967	!	X =	727.405,	5186.900,	0.0,	0.0	!	!END!
5968	!	X =	727.505,	5186.900,	0.0,	0.0	!	!END!
5969	!	X =	727.605,	5186.900,	0.0,	0.0	!	!END!
5970	!	X =	727.705,	5186.900,	0.0,	0.0	!	!END!
5971	!	X =	727.805,	5186.900,	0.0,	0.0	!	!END!
5972	!	X =	727.905,	5186.900,	0.0,	0.0	!	!END!
5973	!	X =	728.005,	5186.900,	0.0,	0.0	!	!END!
5974	!	X =	728.105,	5186.900,	0.0,	0.0	!	!END!
5975	!	X =	728.205,	5186.900,	0.0,	0.0	!	!END!
5976	!	X =	728.305,	5186.900,	0.0,	0.0	!	!END!
5977	!	X =	728.405,	5186.900,	0.0,	0.0	!	!END!
5978	!	X =	728.505,	5186.900,	0.0,	0.0	!	!END!
5979	!	X =	728.605,	5186.900,	0.0,	0.0	!	!END!
5980	!	X =	728.705,	5186.900,	0.0,	0.0	!	!END!
5981	!	X =	728.805,	5186.900,	0.0,	0.0	!	!END!
5982	!	X =	726.805,	5187.000,	0.0,	0.0	!	!END!
5983	!	X =	726.905,	5187.000,	0.0,	0.0	!	!END!
5984	!	X =	727.005,	5187.000,	0.0,	0.0	!	!END!
5985	!	X =	727.105,	5187.000,	0.0,	0.0	!	!END!
5986	!	X =	727.205,	5187.000,	0.0,	0.0	!	!END!
5987	!	X =	727.305,	5187.000,	0.0,	0.0	!	!END!
5988	!	X =	727.405,	5187.000,	0.0,	0.0	!	!END!
5989	!	X =	727.505,	5187.000,	0.0,	0.0	!	!END!
5990	!	X =	727.605,	5187.000,	0.0,	0.0	!	!END!
5991	!	X =	727.705,	5187.000,	0.0,	0.0	!	!END!
5992	!	X =	727.805,	5187.000,	0.0,	0.0	!	!END!
5993	!	X =	727.905,	5187.000,	0.0,	0.0	!	!END!
5994	!	X =	728.005,	5187.000,	0.0,	0.0	!	!END!
5995	!	X =	728.105,	5187.000,	0.0,	0.0	!	!END!
5996	!	X =	728.205,	5187.000,	0.0,	0.0	!	!END!
5997	!	X =	728.305,	5187.000,	0.0,	0.0	!	!END!
5998	!	X =	728.405,	5187.000,	0.0,	0.0	!	!END!
5999	!	X =	728.505,	5187.000,	0.0,	0.0	!	!END!
6000	!	X =	728.605,	5187.000,	0.0,	0.0	!	!END!
6001	!	X =	728.705,	5187.000,	0.0,	0.0	!	!END!
6002	!	X =	728.805,	5187.000,	0.0,	0.0	!	!END!
6003	!	X =	726.805,	5187.100,	0.0,	0.0	!	!END!
6004	!	X =	726.905,	5187.100,	0.0,	0.0	!	!END!
6005	!	X =	727.005,	5187.100,	0.0,	0.0	!	!END!
6006	!	X =	727.105,	5187.100,	0.0,	0.0	!	!END!
6007	!	X =	727.205,	5187.100,	0.0,	0.0	!	!END!
6008	!	X =	727.305,	5187.100,	0.0,	0.0	!	!END!
6009	!	X =	727.405,	5187.100,	0.0,	0.0	!	!END!

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6010	!	X =	727.505,	5187.100,	0.0,	0.0	!	!END!
6011	!	X =	727.605,	5187.100,	0.0,	0.0	!	!END!
6012	!	X =	727.705,	5187.100,	0.0,	0.0	!	!END!
6013	!	X =	727.805,	5187.100,	0.0,	0.0	!	!END!
6014	!	X =	727.905,	5187.100,	0.0,	0.0	!	!END!
6015	!	X =	728.005,	5187.100,	0.0,	0.0	!	!END!
6016	!	X =	728.105,	5187.100,	0.0,	0.0	!	!END!
6017	!	X =	728.205,	5187.100,	0.0,	0.0	!	!END!
6018	!	X =	728.305,	5187.100,	0.0,	0.0	!	!END!
6019	!	X =	728.405,	5187.100,	0.0,	0.0	!	!END!
6020	!	X =	728.505,	5187.100,	0.0,	0.0	!	!END!
6021	!	X =	728.605,	5187.100,	0.0,	0.0	!	!END!
6022	!	X =	728.705,	5187.100,	0.0,	0.0	!	!END!
6023	!	X =	728.805,	5187.100,	0.0,	0.0	!	!END!
6024	!	X =	725.805,	5184.100,	0.0,	0.0	!	!END!
6025	!	X =	726.005,	5184.100,	0.0,	0.0	!	!END!
6026	!	X =	726.205,	5184.100,	0.0,	0.0	!	!END!
6027	!	X =	726.405,	5184.100,	0.0,	0.0	!	!END!
6028	!	X =	726.605,	5184.100,	0.0,	0.0	!	!END!
6029	!	X =	726.805,	5184.100,	0.0,	0.0	!	!END!
6030	!	X =	727.005,	5184.100,	0.0,	0.0	!	!END!
6031	!	X =	727.205,	5184.100,	0.0,	0.0	!	!END!
6032	!	X =	727.405,	5184.100,	0.0,	0.0	!	!END!
6033	!	X =	727.605,	5184.100,	0.0,	0.0	!	!END!
6034	!	X =	727.805,	5184.100,	0.0,	0.0	!	!END!
6035	!	X =	728.005,	5184.100,	0.0,	0.0	!	!END!
6036	!	X =	728.205,	5184.100,	0.0,	0.0	!	!END!
6037	!	X =	728.405,	5184.100,	0.0,	0.0	!	!END!
6038	!	X =	728.605,	5184.100,	0.0,	0.0	!	!END!
6039	!	X =	728.805,	5184.100,	0.0,	0.0	!	!END!
6040	!	X =	729.005,	5184.100,	0.0,	0.0	!	!END!
6041	!	X =	729.205,	5184.100,	0.0,	0.0	!	!END!
6042	!	X =	729.405,	5184.100,	0.0,	0.0	!	!END!
6043	!	X =	729.605,	5184.100,	0.0,	0.0	!	!END!
6044	!	X =	729.805,	5184.100,	0.0,	0.0	!	!END!
6045	!	X =	725.805,	5184.300,	0.0,	0.0	!	!END!
6046	!	X =	726.005,	5184.300,	0.0,	0.0	!	!END!
6047	!	X =	726.205,	5184.300,	0.0,	0.0	!	!END!
6048	!	X =	726.405,	5184.300,	0.0,	0.0	!	!END!
6049	!	X =	726.605,	5184.300,	0.0,	0.0	!	!END!
6050	!	X =	726.805,	5184.300,	0.0,	0.0	!	!END!
6051	!	X =	727.005,	5184.300,	0.0,	0.0	!	!END!
6052	!	X =	727.205,	5184.300,	0.0,	0.0	!	!END!
6053	!	X =	727.405,	5184.300,	0.0,	0.0	!	!END!
6054	!	X =	727.605,	5184.300,	0.0,	0.0	!	!END!
6055	!	X =	727.805,	5184.300,	0.0,	0.0	!	!END!
6056	!	X =	728.005,	5184.300,	0.0,	0.0	!	!END!
6057	!	X =	728.205,	5184.300,	0.0,	0.0	!	!END!
6058	!	X =	728.405,	5184.300,	0.0,	0.0	!	!END!
6059	!	X =	728.605,	5184.300,	0.0,	0.0	!	!END!
6060	!	X =	728.805,	5184.300,	0.0,	0.0	!	!END!
6061	!	X =	729.005,	5184.300,	0.0,	0.0	!	!END!
6062	!	X =	729.205,	5184.300,	0.0,	0.0	!	!END!
6063	!	X =	729.405,	5184.300,	0.0,	0.0	!	!END!
6064	!	X =	729.605,	5184.300,	0.0,	0.0	!	!END!
6065	!	X =	729.805,	5184.300,	0.0,	0.0	!	!END!
6066	!	X =	725.805,	5184.500,	0.0,	0.0	!	!END!
6067	!	X =	726.005,	5184.500,	0.0,	0.0	!	!END!
6068	!	X =	726.205,	5184.500,	0.0,	0.0	!	!END!
6069	!	X =	726.405,	5184.500,	0.0,	0.0	!	!END!
6070	!	X =	726.605,	5184.500,	0.0,	0.0	!	!END!
6071	!	X =	726.805,	5184.500,	0.0,	0.0	!	!END!
6072	!	X =	727.005,	5184.500,	0.0,	0.0	!	!END!

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6073	!	X =	727.205,	5184.500,	0.0,	0.0	!	!END!
6074	!	X =	727.405,	5184.500,	0.0,	0.0	!	!END!
6075	!	X =	727.605,	5184.500,	0.0,	0.0	!	!END!
6076	!	X =	727.805,	5184.500,	0.0,	0.0	!	!END!
6077	!	X =	728.005,	5184.500,	0.0,	0.0	!	!END!
6078	!	X =	728.205,	5184.500,	0.0,	0.0	!	!END!
6079	!	X =	728.405,	5184.500,	0.0,	0.0	!	!END!
6080	!	X =	728.605,	5184.500,	0.0,	0.0	!	!END!
6081	!	X =	728.805,	5184.500,	0.0,	0.0	!	!END!
6082	!	X =	729.005,	5184.500,	0.0,	0.0	!	!END!
6083	!	X =	729.205,	5184.500,	0.0,	0.0	!	!END!
6084	!	X =	729.405,	5184.500,	0.0,	0.0	!	!END!
6085	!	X =	729.605,	5184.500,	0.0,	0.0	!	!END!
6086	!	X =	729.805,	5184.500,	0.0,	0.0	!	!END!
6087	!	X =	725.805,	5184.700,	0.0,	0.0	!	!END!
6088	!	X =	726.005,	5184.700,	0.0,	0.0	!	!END!
6089	!	X =	726.205,	5184.700,	0.0,	0.0	!	!END!
6090	!	X =	726.405,	5184.700,	0.0,	0.0	!	!END!
6091	!	X =	726.605,	5184.700,	0.0,	0.0	!	!END!
6092	!	X =	726.805,	5184.700,	0.0,	0.0	!	!END!
6093	!	X =	727.005,	5184.700,	0.0,	0.0	!	!END!
6094	!	X =	727.205,	5184.700,	0.0,	0.0	!	!END!
6095	!	X =	727.405,	5184.700,	0.0,	0.0	!	!END!
6096	!	X =	727.605,	5184.700,	0.0,	0.0	!	!END!
6097	!	X =	727.805,	5184.700,	0.0,	0.0	!	!END!
6098	!	X =	728.005,	5184.700,	0.0,	0.0	!	!END!
6099	!	X =	728.205,	5184.700,	0.0,	0.0	!	!END!
6100	!	X =	728.405,	5184.700,	0.0,	0.0	!	!END!
6101	!	X =	728.605,	5184.700,	0.0,	0.0	!	!END!
6102	!	X =	728.805,	5184.700,	0.0,	0.0	!	!END!
6103	!	X =	729.005,	5184.700,	0.0,	0.0	!	!END!
6104	!	X =	729.205,	5184.700,	0.0,	0.0	!	!END!
6105	!	X =	729.405,	5184.700,	0.0,	0.0	!	!END!
6106	!	X =	729.605,	5184.700,	0.0,	0.0	!	!END!
6107	!	X =	729.805,	5184.700,	0.0,	0.0	!	!END!
6108	!	X =	725.805,	5184.900,	0.0,	0.0	!	!END!
6109	!	X =	726.005,	5184.900,	0.0,	0.0	!	!END!
6110	!	X =	726.205,	5184.900,	0.0,	0.0	!	!END!
6111	!	X =	726.405,	5184.900,	0.0,	0.0	!	!END!
6112	!	X =	726.605,	5184.900,	0.0,	0.0	!	!END!
6113	!	X =	726.805,	5184.900,	0.0,	0.0	!	!END!
6114	!	X =	727.005,	5184.900,	0.0,	0.0	!	!END!
6115	!	X =	727.205,	5184.900,	0.0,	0.0	!	!END!
6116	!	X =	727.405,	5184.900,	0.0,	0.0	!	!END!
6117	!	X =	727.605,	5184.900,	0.0,	0.0	!	!END!
6118	!	X =	727.805,	5184.900,	0.0,	0.0	!	!END!
6119	!	X =	728.005,	5184.900,	0.0,	0.0	!	!END!
6120	!	X =	728.205,	5184.900,	0.0,	0.0	!	!END!
6121	!	X =	728.405,	5184.900,	0.0,	0.0	!	!END!
6122	!	X =	728.605,	5184.900,	0.0,	0.0	!	!END!
6123	!	X =	728.805,	5184.900,	0.0,	0.0	!	!END!
6124	!	X =	729.005,	5184.900,	0.0,	0.0	!	!END!
6125	!	X =	729.205,	5184.900,	0.0,	0.0	!	!END!
6126	!	X =	729.405,	5184.900,	0.0,	0.0	!	!END!
6127	!	X =	729.605,	5184.900,	0.0,	0.0	!	!END!
6128	!	X =	729.805,	5184.900,	0.0,	0.0	!	!END!
6129	!	X =	725.805,	5185.100,	0.0,	0.0	!	!END!
6130	!	X =	726.005,	5185.100,	0.0,	0.0	!	!END!
6131	!	X =	726.205,	5185.100,	0.0,	0.0	!	!END!
6132	!	X =	726.405,	5185.100,	0.0,	0.0	!	!END!
6133	!	X =	726.605,	5185.100,	0.0,	0.0	!	!END!
6134	!	X =	729.005,	5185.100,	0.0,	0.0	!	!END!
6135	!	X =	729.205,	5185.100,	0.0,	0.0	!	!END!

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6262	!	X =	726.205,	5187.500,	0.0,	0.0	!	!END!
6263	!	X =	726.405,	5187.500,	0.0,	0.0	!	!END!
6264	!	X =	726.605,	5187.500,	0.0,	0.0	!	!END!
6265	!	X =	726.805,	5187.500,	0.0,	0.0	!	!END!
6266	!	X =	727.005,	5187.500,	0.0,	0.0	!	!END!
6267	!	X =	727.205,	5187.500,	0.0,	0.0	!	!END!
6268	!	X =	727.405,	5187.500,	0.0,	0.0	!	!END!
6269	!	X =	727.605,	5187.500,	0.0,	0.0	!	!END!
6270	!	X =	727.805,	5187.500,	0.0,	0.0	!	!END!
6271	!	X =	728.005,	5187.500,	0.0,	0.0	!	!END!
6272	!	X =	728.205,	5187.500,	0.0,	0.0	!	!END!
6273	!	X =	728.405,	5187.500,	0.0,	0.0	!	!END!
6274	!	X =	728.605,	5187.500,	0.0,	0.0	!	!END!
6275	!	X =	728.805,	5187.500,	0.0,	0.0	!	!END!
6276	!	X =	729.005,	5187.500,	0.0,	0.0	!	!END!
6277	!	X =	729.205,	5187.500,	0.0,	0.0	!	!END!
6278	!	X =	729.405,	5187.500,	0.0,	0.0	!	!END!
6279	!	X =	729.605,	5187.500,	0.0,	0.0	!	!END!
6280	!	X =	729.805,	5187.500,	0.0,	0.0	!	!END!
6281	!	X =	725.805,	5187.700,	0.0,	0.0	!	!END!
6282	!	X =	726.005,	5187.700,	0.0,	0.0	!	!END!
6283	!	X =	726.205,	5187.700,	0.0,	0.0	!	!END!
6284	!	X =	726.405,	5187.700,	0.0,	0.0	!	!END!
6285	!	X =	726.605,	5187.700,	0.0,	0.0	!	!END!
6286	!	X =	726.805,	5187.700,	0.0,	0.0	!	!END!
6287	!	X =	727.005,	5187.700,	0.0,	0.0	!	!END!
6288	!	X =	727.205,	5187.700,	0.0,	0.0	!	!END!
6289	!	X =	727.405,	5187.700,	0.0,	0.0	!	!END!
6290	!	X =	727.605,	5187.700,	0.0,	0.0	!	!END!
6291	!	X =	727.805,	5187.700,	0.0,	0.0	!	!END!
6292	!	X =	728.005,	5187.700,	0.0,	0.0	!	!END!
6293	!	X =	728.205,	5187.700,	0.0,	0.0	!	!END!
6294	!	X =	728.405,	5187.700,	0.0,	0.0	!	!END!
6295	!	X =	728.605,	5187.700,	0.0,	0.0	!	!END!
6296	!	X =	728.805,	5187.700,	0.0,	0.0	!	!END!
6297	!	X =	729.005,	5187.700,	0.0,	0.0	!	!END!
6298	!	X =	729.205,	5187.700,	0.0,	0.0	!	!END!
6299	!	X =	729.405,	5187.700,	0.0,	0.0	!	!END!
6300	!	X =	729.605,	5187.700,	0.0,	0.0	!	!END!
6301	!	X =	729.805,	5187.700,	0.0,	0.0	!	!END!
6302	!	X =	725.805,	5187.900,	0.0,	0.0	!	!END!
6303	!	X =	726.005,	5187.900,	0.0,	0.0	!	!END!
6304	!	X =	726.205,	5187.900,	0.0,	0.0	!	!END!
6305	!	X =	726.405,	5187.900,	0.0,	0.0	!	!END!
6306	!	X =	726.605,	5187.900,	0.0,	0.0	!	!END!
6307	!	X =	726.805,	5187.900,	0.0,	0.0	!	!END!
6308	!	X =	727.005,	5187.900,	0.0,	0.0	!	!END!
6309	!	X =	727.205,	5187.900,	0.0,	0.0	!	!END!
6310	!	X =	727.405,	5187.900,	0.0,	0.0	!	!END!
6311	!	X =	727.605,	5187.900,	0.0,	0.0	!	!END!
6312	!	X =	727.805,	5187.900,	0.0,	0.0	!	!END!
6313	!	X =	728.005,	5187.900,	0.0,	0.0	!	!END!
6314	!	X =	728.205,	5187.900,	0.0,	0.0	!	!END!
6315	!	X =	728.405,	5187.900,	0.0,	0.0	!	!END!
6316	!	X =	728.605,	5187.900,	0.0,	0.0	!	!END!
6317	!	X =	728.805,	5187.900,	0.0,	0.0	!	!END!
6318	!	X =	729.005,	5187.900,	0.0,	0.0	!	!END!
6319	!	X =	729.205,	5187.900,	0.0,	0.0	!	!END!
6320	!	X =	729.405,	5187.900,	0.0,	0.0	!	!END!
6321	!	X =	729.605,	5187.900,	0.0,	0.0	!	!END!
6322	!	X =	729.805,	5187.900,	0.0,	0.0	!	!END!
6323	!	X =	725.805,	5188.100,	0.0,	0.0	!	!END!
6324	!	X =	726.005,	5188.100,	0.0,	0.0	!	!END!

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6325	!	X =	726.205,	5188.100,	0.0,	0.0	!	!END!
6326	!	X =	726.405,	5188.100,	0.0,	0.0	!	!END!
6327	!	X =	726.605,	5188.100,	0.0,	0.0	!	!END!
6328	!	X =	726.805,	5188.100,	0.0,	0.0	!	!END!
6329	!	X =	727.005,	5188.100,	0.0,	0.0	!	!END!
6330	!	X =	727.205,	5188.100,	0.0,	0.0	!	!END!
6331	!	X =	727.405,	5188.100,	0.0,	0.0	!	!END!
6332	!	X =	727.605,	5188.100,	0.0,	0.0	!	!END!
6333	!	X =	727.805,	5188.100,	0.0,	0.0	!	!END!
6334	!	X =	728.005,	5188.100,	0.0,	0.0	!	!END!
6335	!	X =	728.205,	5188.100,	0.0,	0.0	!	!END!
6336	!	X =	728.405,	5188.100,	0.0,	0.0	!	!END!
6337	!	X =	728.605,	5188.100,	0.0,	0.0	!	!END!
6338	!	X =	728.805,	5188.100,	0.0,	0.0	!	!END!
6339	!	X =	729.005,	5188.100,	0.0,	0.0	!	!END!
6340	!	X =	729.205,	5188.100,	0.0,	0.0	!	!END!
6341	!	X =	729.405,	5188.100,	0.0,	0.0	!	!END!
6342	!	X =	729.605,	5188.100,	0.0,	0.0	!	!END!
6343	!	X =	729.805,	5188.100,	0.0,	0.0	!	!END!
6344	!	X =	693.092,	5158.175,	0.0,	0.0	!	!END!
6345	!	X =	693.142,	5158.175,	0.0,	0.0	!	!END!
6346	!	X =	693.192,	5158.175,	0.0,	0.0	!	!END!
6347	!	X =	693.242,	5158.175,	0.0,	0.0	!	!END!
6348	!	X =	693.292,	5158.175,	0.0,	0.0	!	!END!
6349	!	X =	693.342,	5158.175,	0.0,	0.0	!	!END!
6350	!	X =	693.392,	5158.175,	0.0,	0.0	!	!END!
6351	!	X =	693.442,	5158.175,	0.0,	0.0	!	!END!
6352	!	X =	693.492,	5158.175,	0.0,	0.0	!	!END!
6353	!	X =	692.492,	5158.225,	0.0,	0.0	!	!END!
6354	!	X =	692.542,	5158.225,	0.0,	0.0	!	!END!
6355	!	X =	692.592,	5158.225,	0.0,	0.0	!	!END!
6356	!	X =	692.642,	5158.225,	0.0,	0.0	!	!END!
6357	!	X =	692.692,	5158.225,	0.0,	0.0	!	!END!
6358	!	X =	692.742,	5158.225,	0.0,	0.0	!	!END!
6359	!	X =	692.792,	5158.225,	0.0,	0.0	!	!END!
6360	!	X =	692.842,	5158.225,	0.0,	0.0	!	!END!
6361	!	X =	692.892,	5158.225,	0.0,	0.0	!	!END!
6362	!	X =	692.942,	5158.225,	0.0,	0.0	!	!END!
6363	!	X =	692.992,	5158.225,	0.0,	0.0	!	!END!
6364	!	X =	693.042,	5158.225,	0.0,	0.0	!	!END!
6365	!	X =	693.092,	5158.225,	0.0,	0.0	!	!END!
6366	!	X =	693.142,	5158.225,	0.0,	0.0	!	!END!
6367	!	X =	693.192,	5158.225,	0.0,	0.0	!	!END!
6368	!	X =	693.242,	5158.225,	0.0,	0.0	!	!END!
6369	!	X =	693.292,	5158.225,	0.0,	0.0	!	!END!
6370	!	X =	693.342,	5158.225,	0.0,	0.0	!	!END!
6371	!	X =	693.392,	5158.225,	0.0,	0.0	!	!END!
6372	!	X =	693.442,	5158.225,	0.0,	0.0	!	!END!
6373	!	X =	693.492,	5158.225,	0.0,	0.0	!	!END!
6374	!	X =	692.492,	5158.275,	0.0,	0.0	!	!END!
6375	!	X =	692.542,	5158.275,	0.0,	0.0	!	!END!
6376	!	X =	692.592,	5158.275,	0.0,	0.0	!	!END!
6377	!	X =	692.642,	5158.275,	0.0,	0.0	!	!END!
6378	!	X =	692.692,	5158.275,	0.0,	0.0	!	!END!
6379	!	X =	692.742,	5158.275,	0.0,	0.0	!	!END!
6380	!	X =	692.792,	5158.275,	0.0,	0.0	!	!END!
6381	!	X =	692.842,	5158.275,	0.0,	0.0	!	!END!
6382	!	X =	692.892,	5158.275,	0.0,	0.0	!	!END!
6383	!	X =	692.942,	5158.275,	0.0,	0.0	!	!END!
6384	!	X =	692.992,	5158.275,	0.0,	0.0	!	!END!
6385	!	X =	693.042,	5158.275,	0.0,	0.0	!	!END!
6386	!	X =	693.092,	5158.275,	0.0,	0.0	!	!END!
6387	!	X =	693.142,	5158.275,	0.0,	0.0	!	!END!

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6388	!	X =	693.192,	5158.275,	0.0,	0.0	!	!END!
6389	!	X =	693.242,	5158.275,	0.0,	0.0	!	!END!
6390	!	X =	693.292,	5158.275,	0.0,	0.0	!	!END!
6391	!	X =	693.342,	5158.275,	0.0,	0.0	!	!END!
6392	!	X =	693.392,	5158.275,	0.0,	0.0	!	!END!
6393	!	X =	693.442,	5158.275,	0.0,	0.0	!	!END!
6394	!	X =	693.492,	5158.275,	0.0,	0.0	!	!END!
6395	!	X =	692.492,	5158.325,	0.0,	0.0	!	!END!
6396	!	X =	692.542,	5158.325,	0.0,	0.0	!	!END!
6397	!	X =	692.592,	5158.325,	0.0,	0.0	!	!END!
6398	!	X =	692.642,	5158.325,	0.0,	0.0	!	!END!
6399	!	X =	692.692,	5158.325,	0.0,	0.0	!	!END!
6400	!	X =	692.742,	5158.325,	0.0,	0.0	!	!END!
6401	!	X =	692.792,	5158.325,	0.0,	0.0	!	!END!
6402	!	X =	692.842,	5158.325,	0.0,	0.0	!	!END!
6403	!	X =	692.892,	5158.325,	0.0,	0.0	!	!END!
6404	!	X =	692.942,	5158.325,	0.0,	0.0	!	!END!
6405	!	X =	692.992,	5158.325,	0.0,	0.0	!	!END!
6406	!	X =	693.042,	5158.325,	0.0,	0.0	!	!END!
6407	!	X =	693.092,	5158.325,	0.0,	0.0	!	!END!
6408	!	X =	693.142,	5158.325,	0.0,	0.0	!	!END!
6409	!	X =	693.192,	5158.325,	0.0,	0.0	!	!END!
6410	!	X =	693.242,	5158.325,	0.0,	0.0	!	!END!
6411	!	X =	693.292,	5158.325,	0.0,	0.0	!	!END!
6412	!	X =	693.342,	5158.325,	0.0,	0.0	!	!END!
6413	!	X =	693.392,	5158.325,	0.0,	0.0	!	!END!
6414	!	X =	693.442,	5158.325,	0.0,	0.0	!	!END!
6415	!	X =	693.492,	5158.325,	0.0,	0.0	!	!END!
6416	!	X =	692.492,	5158.375,	0.0,	0.0	!	!END!
6417	!	X =	692.542,	5158.375,	0.0,	0.0	!	!END!
6418	!	X =	692.592,	5158.375,	0.0,	0.0	!	!END!
6419	!	X =	692.642,	5158.375,	0.0,	0.0	!	!END!
6420	!	X =	692.692,	5158.375,	0.0,	0.0	!	!END!
6421	!	X =	692.742,	5158.375,	0.0,	0.0	!	!END!
6422	!	X =	692.792,	5158.375,	0.0,	0.0	!	!END!
6423	!	X =	692.842,	5158.375,	0.0,	0.0	!	!END!
6424	!	X =	692.892,	5158.375,	0.0,	0.0	!	!END!
6425	!	X =	692.942,	5158.375,	0.0,	0.0	!	!END!
6426	!	X =	692.992,	5158.375,	0.0,	0.0	!	!END!
6427	!	X =	693.042,	5158.375,	0.0,	0.0	!	!END!
6428	!	X =	693.092,	5158.375,	0.0,	0.0	!	!END!
6429	!	X =	693.142,	5158.375,	0.0,	0.0	!	!END!
6430	!	X =	693.192,	5158.375,	0.0,	0.0	!	!END!
6431	!	X =	693.242,	5158.375,	0.0,	0.0	!	!END!
6432	!	X =	693.292,	5158.375,	0.0,	0.0	!	!END!
6433	!	X =	693.342,	5158.375,	0.0,	0.0	!	!END!
6434	!	X =	693.392,	5158.375,	0.0,	0.0	!	!END!
6435	!	X =	693.442,	5158.375,	0.0,	0.0	!	!END!
6436	!	X =	693.492,	5158.375,	0.0,	0.0	!	!END!
6437	!	X =	692.492,	5158.425,	0.0,	0.0	!	!END!
6438	!	X =	692.542,	5158.425,	0.0,	0.0	!	!END!
6439	!	X =	692.592,	5158.425,	0.0,	0.0	!	!END!
6440	!	X =	692.642,	5158.425,	0.0,	0.0	!	!END!
6441	!	X =	692.692,	5158.425,	0.0,	0.0	!	!END!
6442	!	X =	692.742,	5158.425,	0.0,	0.0	!	!END!
6443	!	X =	692.792,	5158.425,	0.0,	0.0	!	!END!
6444	!	X =	692.842,	5158.425,	0.0,	0.0	!	!END!
6445	!	X =	692.892,	5158.425,	0.0,	0.0	!	!END!
6446	!	X =	692.942,	5158.425,	0.0,	0.0	!	!END!
6447	!	X =	692.992,	5158.425,	0.0,	0.0	!	!END!
6448	!	X =	693.042,	5158.425,	0.0,	0.0	!	!END!
6449	!	X =	693.092,	5158.425,	0.0,	0.0	!	!END!
6450	!	X =	693.142,	5158.425,	0.0,	0.0	!	!END!

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6451	!	X =	693.192,	5158.425,	0.0,	0.0	!	!END!
6452	!	X =	693.242,	5158.425,	0.0,	0.0	!	!END!
6453	!	X =	693.292,	5158.425,	0.0,	0.0	!	!END!
6454	!	X =	693.342,	5158.425,	0.0,	0.0	!	!END!
6455	!	X =	693.392,	5158.425,	0.0,	0.0	!	!END!
6456	!	X =	693.442,	5158.425,	0.0,	0.0	!	!END!
6457	!	X =	693.492,	5158.425,	0.0,	0.0	!	!END!
6458	!	X =	692.492,	5158.475,	0.0,	0.0	!	!END!
6459	!	X =	692.542,	5158.475,	0.0,	0.0	!	!END!
6460	!	X =	692.592,	5158.475,	0.0,	0.0	!	!END!
6461	!	X =	692.642,	5158.475,	0.0,	0.0	!	!END!
6462	!	X =	692.692,	5158.475,	0.0,	0.0	!	!END!
6463	!	X =	692.742,	5158.475,	0.0,	0.0	!	!END!
6464	!	X =	692.792,	5158.475,	0.0,	0.0	!	!END!
6465	!	X =	692.842,	5158.475,	0.0,	0.0	!	!END!
6466	!	X =	692.892,	5158.475,	0.0,	0.0	!	!END!
6467	!	X =	692.942,	5158.475,	0.0,	0.0	!	!END!
6468	!	X =	692.992,	5158.475,	0.0,	0.0	!	!END!
6469	!	X =	693.042,	5158.475,	0.0,	0.0	!	!END!
6470	!	X =	693.092,	5158.475,	0.0,	0.0	!	!END!
6471	!	X =	693.142,	5158.475,	0.0,	0.0	!	!END!
6472	!	X =	693.192,	5158.475,	0.0,	0.0	!	!END!
6473	!	X =	693.242,	5158.475,	0.0,	0.0	!	!END!
6474	!	X =	693.292,	5158.475,	0.0,	0.0	!	!END!
6475	!	X =	693.342,	5158.475,	0.0,	0.0	!	!END!
6476	!	X =	693.392,	5158.475,	0.0,	0.0	!	!END!
6477	!	X =	693.442,	5158.475,	0.0,	0.0	!	!END!
6478	!	X =	693.492,	5158.475,	0.0,	0.0	!	!END!
6479	!	X =	692.492,	5158.525,	0.0,	0.0	!	!END!
6480	!	X =	692.542,	5158.525,	0.0,	0.0	!	!END!
6481	!	X =	692.592,	5158.525,	0.0,	0.0	!	!END!
6482	!	X =	692.642,	5158.525,	0.0,	0.0	!	!END!
6483	!	X =	692.692,	5158.525,	0.0,	0.0	!	!END!
6484	!	X =	692.742,	5158.525,	0.0,	0.0	!	!END!
6485	!	X =	692.792,	5158.525,	0.0,	0.0	!	!END!
6486	!	X =	692.842,	5158.525,	0.0,	0.0	!	!END!
6487	!	X =	692.892,	5158.525,	0.0,	0.0	!	!END!
6488	!	X =	692.942,	5158.525,	0.0,	0.0	!	!END!
6489	!	X =	693.042,	5158.525,	0.0,	0.0	!	!END!
6490	!	X =	693.092,	5158.525,	0.0,	0.0	!	!END!
6491	!	X =	693.142,	5158.525,	0.0,	0.0	!	!END!
6492	!	X =	693.192,	5158.525,	0.0,	0.0	!	!END!
6493	!	X =	693.242,	5158.525,	0.0,	0.0	!	!END!
6494	!	X =	693.292,	5158.525,	0.0,	0.0	!	!END!
6495	!	X =	693.342,	5158.525,	0.0,	0.0	!	!END!
6496	!	X =	693.392,	5158.525,	0.0,	0.0	!	!END!
6497	!	X =	693.442,	5158.525,	0.0,	0.0	!	!END!
6498	!	X =	693.492,	5158.525,	0.0,	0.0	!	!END!
6499	!	X =	692.492,	5158.575,	0.0,	0.0	!	!END!
6500	!	X =	692.542,	5158.575,	0.0,	0.0	!	!END!
6501	!	X =	692.592,	5158.575,	0.0,	0.0	!	!END!
6502	!	X =	692.642,	5158.575,	0.0,	0.0	!	!END!
6503	!	X =	692.692,	5158.575,	0.0,	0.0	!	!END!
6504	!	X =	692.742,	5158.575,	0.0,	0.0	!	!END!
6505	!	X =	692.792,	5158.575,	0.0,	0.0	!	!END!
6506	!	X =	692.842,	5158.575,	0.0,	0.0	!	!END!
6507	!	X =	692.892,	5158.575,	0.0,	0.0	!	!END!
6508	!	X =	692.942,	5158.575,	0.0,	0.0	!	!END!
6509	!	X =	692.992,	5158.575,	0.0,	0.0	!	!END!
6510	!	X =	693.042,	5158.575,	0.0,	0.0	!	!END!
6511	!	X =	693.092,	5158.575,	0.0,	0.0	!	!END!
6512	!	X =	693.142,	5158.575,	0.0,	0.0	!	!END!
6513	!	X =	693.192,	5158.575,	0.0,	0.0	!	!END!

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6514	!	X =	693.242,	5158.575,	0.0,	0.0	!	!END!
6515	!	X =	693.292,	5158.575,	0.0,	0.0	!	!END!
6516	!	X =	693.342,	5158.575,	0.0,	0.0	!	!END!
6517	!	X =	693.392,	5158.575,	0.0,	0.0	!	!END!
6518	!	X =	693.442,	5158.575,	0.0,	0.0	!	!END!
6519	!	X =	693.492,	5158.575,	0.0,	0.0	!	!END!
6520	!	X =	692.492,	5158.625,	0.0,	0.0	!	!END!
6521	!	X =	692.542,	5158.625,	0.0,	0.0	!	!END!
6522	!	X =	692.592,	5158.625,	0.0,	0.0	!	!END!
6523	!	X =	692.642,	5158.625,	0.0,	0.0	!	!END!
6524	!	X =	692.692,	5158.625,	0.0,	0.0	!	!END!
6525	!	X =	692.742,	5158.625,	0.0,	0.0	!	!END!
6526	!	X =	692.792,	5158.625,	0.0,	0.0	!	!END!
6527	!	X =	692.842,	5158.625,	0.0,	0.0	!	!END!
6528	!	X =	692.892,	5158.625,	0.0,	0.0	!	!END!
6529	!	X =	692.942,	5158.625,	0.0,	0.0	!	!END!
6530	!	X =	692.992,	5158.625,	0.0,	0.0	!	!END!
6531	!	X =	693.042,	5158.625,	0.0,	0.0	!	!END!
6532	!	X =	693.092,	5158.625,	0.0,	0.0	!	!END!
6533	!	X =	693.142,	5158.625,	0.0,	0.0	!	!END!
6534	!	X =	693.192,	5158.625,	0.0,	0.0	!	!END!
6535	!	X =	693.242,	5158.625,	0.0,	0.0	!	!END!
6536	!	X =	693.292,	5158.625,	0.0,	0.0	!	!END!
6537	!	X =	693.342,	5158.625,	0.0,	0.0	!	!END!
6538	!	X =	693.392,	5158.625,	0.0,	0.0	!	!END!
6539	!	X =	693.442,	5158.625,	0.0,	0.0	!	!END!
6540	!	X =	693.492,	5158.625,	0.0,	0.0	!	!END!
6541	!	X =	692.492,	5158.675,	0.0,	0.0	!	!END!
6542	!	X =	692.542,	5158.675,	0.0,	0.0	!	!END!
6543	!	X =	692.592,	5158.675,	0.0,	0.0	!	!END!
6544	!	X =	692.642,	5158.675,	0.0,	0.0	!	!END!
6545	!	X =	692.692,	5158.675,	0.0,	0.0	!	!END!
6546	!	X =	692.742,	5158.675,	0.0,	0.0	!	!END!
6547	!	X =	692.792,	5158.675,	0.0,	0.0	!	!END!
6548	!	X =	692.842,	5158.675,	0.0,	0.0	!	!END!
6549	!	X =	692.892,	5158.675,	0.0,	0.0	!	!END!
6550	!	X =	692.942,	5158.675,	0.0,	0.0	!	!END!
6551	!	X =	692.992,	5158.675,	0.0,	0.0	!	!END!
6552	!	X =	693.042,	5158.675,	0.0,	0.0	!	!END!
6553	!	X =	693.092,	5158.675,	0.0,	0.0	!	!END!
6554	!	X =	693.142,	5158.675,	0.0,	0.0	!	!END!
6555	!	X =	693.192,	5158.675,	0.0,	0.0	!	!END!
6556	!	X =	693.242,	5158.675,	0.0,	0.0	!	!END!
6557	!	X =	693.292,	5158.675,	0.0,	0.0	!	!END!
6558	!	X =	693.342,	5158.675,	0.0,	0.0	!	!END!
6559	!	X =	693.392,	5158.675,	0.0,	0.0	!	!END!
6560	!	X =	693.442,	5158.675,	0.0,	0.0	!	!END!
6561	!	X =	693.492,	5158.675,	0.0,	0.0	!	!END!
6562	!	X =	692.492,	5158.725,	0.0,	0.0	!	!END!
6563	!	X =	692.542,	5158.725,	0.0,	0.0	!	!END!
6564	!	X =	692.592,	5158.725,	0.0,	0.0	!	!END!
6565	!	X =	692.642,	5158.725,	0.0,	0.0	!	!END!
6566	!	X =	692.692,	5158.725,	0.0,	0.0	!	!END!
6567	!	X =	692.742,	5158.725,	0.0,	0.0	!	!END!
6568	!	X =	692.792,	5158.725,	0.0,	0.0	!	!END!
6569	!	X =	692.842,	5158.725,	0.0,	0.0	!	!END!
6570	!	X =	692.892,	5158.725,	0.0,	0.0	!	!END!
6571	!	X =	692.942,	5158.725,	0.0,	0.0	!	!END!
6572	!	X =	692.992,	5158.725,	0.0,	0.0	!	!END!
6573	!	X =	693.042,	5158.725,	0.0,	0.0	!	!END!
6574	!	X =	693.092,	5158.725,	0.0,	0.0	!	!END!
6575	!	X =	693.142,	5158.725,	0.0,	0.0	!	!END!
6576	!	X =	693.192,	5158.725,	0.0,	0.0	!	!END!

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6577	!	X =	693.242,	5158.725,	0.0,	0.0	!	!END!
6578	!	X =	693.292,	5158.725,	0.0,	0.0	!	!END!
6579	!	X =	693.342,	5158.725,	0.0,	0.0	!	!END!
6580	!	X =	693.392,	5158.725,	0.0,	0.0	!	!END!
6581	!	X =	693.442,	5158.725,	0.0,	0.0	!	!END!
6582	!	X =	693.492,	5158.725,	0.0,	0.0	!	!END!
6583	!	X =	692.492,	5158.775,	0.0,	0.0	!	!END!
6584	!	X =	692.542,	5158.775,	0.0,	0.0	!	!END!
6585	!	X =	692.592,	5158.775,	0.0,	0.0	!	!END!
6586	!	X =	692.642,	5158.775,	0.0,	0.0	!	!END!
6587	!	X =	692.692,	5158.775,	0.0,	0.0	!	!END!
6588	!	X =	692.742,	5158.775,	0.0,	0.0	!	!END!
6589	!	X =	692.792,	5158.775,	0.0,	0.0	!	!END!
6590	!	X =	692.842,	5158.775,	0.0,	0.0	!	!END!
6591	!	X =	692.892,	5158.775,	0.0,	0.0	!	!END!
6592	!	X =	692.942,	5158.775,	0.0,	0.0	!	!END!
6593	!	X =	692.992,	5158.775,	0.0,	0.0	!	!END!
6594	!	X =	693.042,	5158.775,	0.0,	0.0	!	!END!
6595	!	X =	693.092,	5158.775,	0.0,	0.0	!	!END!
6596	!	X =	693.142,	5158.775,	0.0,	0.0	!	!END!
6597	!	X =	693.192,	5158.775,	0.0,	0.0	!	!END!
6598	!	X =	693.242,	5158.775,	0.0,	0.0	!	!END!
6599	!	X =	693.292,	5158.775,	0.0,	0.0	!	!END!
6600	!	X =	693.342,	5158.775,	0.0,	0.0	!	!END!
6601	!	X =	693.392,	5158.775,	0.0,	0.0	!	!END!
6602	!	X =	693.442,	5158.775,	0.0,	0.0	!	!END!
6603	!	X =	693.492,	5158.775,	0.0,	0.0	!	!END!
6604	!	X =	692.492,	5158.825,	0.0,	0.0	!	!END!
6605	!	X =	692.542,	5158.825,	0.0,	0.0	!	!END!
6606	!	X =	692.592,	5158.825,	0.0,	0.0	!	!END!
6607	!	X =	692.642,	5158.825,	0.0,	0.0	!	!END!
6608	!	X =	692.692,	5158.825,	0.0,	0.0	!	!END!
6609	!	X =	692.742,	5158.825,	0.0,	0.0	!	!END!
6610	!	X =	692.792,	5158.825,	0.0,	0.0	!	!END!
6611	!	X =	692.842,	5158.825,	0.0,	0.0	!	!END!
6612	!	X =	692.892,	5158.825,	0.0,	0.0	!	!END!
6613	!	X =	692.942,	5158.825,	0.0,	0.0	!	!END!
6614	!	X =	692.992,	5158.825,	0.0,	0.0	!	!END!
6615	!	X =	693.042,	5158.825,	0.0,	0.0	!	!END!
6616	!	X =	693.092,	5158.825,	0.0,	0.0	!	!END!
6617	!	X =	693.142,	5158.825,	0.0,	0.0	!	!END!
6618	!	X =	693.192,	5158.825,	0.0,	0.0	!	!END!
6619	!	X =	693.242,	5158.825,	0.0,	0.0	!	!END!
6620	!	X =	693.292,	5158.825,	0.0,	0.0	!	!END!
6621	!	X =	693.342,	5158.825,	0.0,	0.0	!	!END!
6622	!	X =	693.392,	5158.825,	0.0,	0.0	!	!END!
6623	!	X =	693.442,	5158.825,	0.0,	0.0	!	!END!
6624	!	X =	693.492,	5158.825,	0.0,	0.0	!	!END!
6625	!	X =	692.492,	5158.875,	0.0,	0.0	!	!END!
6626	!	X =	692.542,	5158.875,	0.0,	0.0	!	!END!
6627	!	X =	692.592,	5158.875,	0.0,	0.0	!	!END!
6628	!	X =	692.642,	5158.875,	0.0,	0.0	!	!END!
6629	!	X =	692.692,	5158.875,	0.0,	0.0	!	!END!
6630	!	X =	692.742,	5158.875,	0.0,	0.0	!	!END!
6631	!	X =	692.792,	5158.875,	0.0,	0.0	!	!END!
6632	!	X =	692.842,	5158.875,	0.0,	0.0	!	!END!
6633	!	X =	692.892,	5158.875,	0.0,	0.0	!	!END!
6634	!	X =	692.942,	5158.875,	0.0,	0.0	!	!END!
6635	!	X =	692.992,	5158.875,	0.0,	0.0	!	!END!
6636	!	X =	693.042,	5158.875,	0.0,	0.0	!	!END!
6637	!	X =	693.092,	5158.875,	0.0,	0.0	!	!END!
6638	!	X =	693.142,	5158.875,	0.0,	0.0	!	!END!
6639	!	X =	693.192,	5158.875,	0.0,	0.0	!	!END!

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6640	!	X =	693.242,	5158.875,	0.0,	0.0	!	!END!
6641	!	X =	693.292,	5158.875,	0.0,	0.0	!	!END!
6642	!	X =	693.342,	5158.875,	0.0,	0.0	!	!END!
6643	!	X =	693.392,	5158.875,	0.0,	0.0	!	!END!
6644	!	X =	693.442,	5158.875,	0.0,	0.0	!	!END!
6645	!	X =	693.492,	5158.875,	0.0,	0.0	!	!END!
6646	!	X =	692.492,	5158.925,	0.0,	0.0	!	!END!
6647	!	X =	692.542,	5158.925,	0.0,	0.0	!	!END!
6648	!	X =	692.592,	5158.925,	0.0,	0.0	!	!END!
6649	!	X =	692.642,	5158.925,	0.0,	0.0	!	!END!
6650	!	X =	692.692,	5158.925,	0.0,	0.0	!	!END!
6651	!	X =	692.742,	5158.925,	0.0,	0.0	!	!END!
6652	!	X =	692.792,	5158.925,	0.0,	0.0	!	!END!
6653	!	X =	692.842,	5158.925,	0.0,	0.0	!	!END!
6654	!	X =	692.892,	5158.925,	0.0,	0.0	!	!END!
6655	!	X =	692.942,	5158.925,	0.0,	0.0	!	!END!
6656	!	X =	692.992,	5158.925,	0.0,	0.0	!	!END!
6657	!	X =	693.042,	5158.925,	0.0,	0.0	!	!END!
6658	!	X =	693.092,	5158.925,	0.0,	0.0	!	!END!
6659	!	X =	693.142,	5158.925,	0.0,	0.0	!	!END!
6660	!	X =	693.192,	5158.925,	0.0,	0.0	!	!END!
6661	!	X =	693.242,	5158.925,	0.0,	0.0	!	!END!
6662	!	X =	693.292,	5158.925,	0.0,	0.0	!	!END!
6663	!	X =	693.342,	5158.925,	0.0,	0.0	!	!END!
6664	!	X =	693.392,	5158.925,	0.0,	0.0	!	!END!
6665	!	X =	693.442,	5158.925,	0.0,	0.0	!	!END!
6666	!	X =	693.492,	5158.925,	0.0,	0.0	!	!END!
6667	!	X =	692.492,	5158.975,	0.0,	0.0	!	!END!
6668	!	X =	692.542,	5158.975,	0.0,	0.0	!	!END!
6669	!	X =	692.592,	5158.975,	0.0,	0.0	!	!END!
6670	!	X =	692.642,	5158.975,	0.0,	0.0	!	!END!
6671	!	X =	692.692,	5158.975,	0.0,	0.0	!	!END!
6672	!	X =	692.742,	5158.975,	0.0,	0.0	!	!END!
6673	!	X =	692.792,	5158.975,	0.0,	0.0	!	!END!
6674	!	X =	692.842,	5158.975,	0.0,	0.0	!	!END!
6675	!	X =	692.892,	5158.975,	0.0,	0.0	!	!END!
6676	!	X =	692.942,	5158.975,	0.0,	0.0	!	!END!
6677	!	X =	692.992,	5158.975,	0.0,	0.0	!	!END!
6678	!	X =	693.042,	5158.975,	0.0,	0.0	!	!END!
6679	!	X =	693.092,	5158.975,	0.0,	0.0	!	!END!
6680	!	X =	693.142,	5158.975,	0.0,	0.0	!	!END!
6681	!	X =	693.192,	5158.975,	0.0,	0.0	!	!END!
6682	!	X =	693.242,	5158.975,	0.0,	0.0	!	!END!
6683	!	X =	693.292,	5158.975,	0.0,	0.0	!	!END!
6684	!	X =	693.342,	5158.975,	0.0,	0.0	!	!END!
6685	!	X =	693.392,	5158.975,	0.0,	0.0	!	!END!
6686	!	X =	693.442,	5158.975,	0.0,	0.0	!	!END!
6687	!	X =	693.492,	5158.975,	0.0,	0.0	!	!END!
6688	!	X =	692.492,	5159.025,	0.0,	0.0	!	!END!
6689	!	X =	692.542,	5159.025,	0.0,	0.0	!	!END!
6690	!	X =	692.592,	5159.025,	0.0,	0.0	!	!END!
6691	!	X =	692.642,	5159.025,	0.0,	0.0	!	!END!
6692	!	X =	692.692,	5159.025,	0.0,	0.0	!	!END!
6693	!	X =	692.742,	5159.025,	0.0,	0.0	!	!END!
6694	!	X =	692.792,	5159.025,	0.0,	0.0	!	!END!
6695	!	X =	692.842,	5159.025,	0.0,	0.0	!	!END!
6696	!	X =	692.892,	5159.025,	0.0,	0.0	!	!END!
6697	!	X =	692.942,	5159.025,	0.0,	0.0	!	!END!
6698	!	X =	692.992,	5159.025,	0.0,	0.0	!	!END!
6699	!	X =	693.042,	5159.025,	0.0,	0.0	!	!END!
6700	!	X =	693.092,	5159.025,	0.0,	0.0	!	!END!
6701	!	X =	693.142,	5159.025,	0.0,	0.0	!	!END!
6702	!	X =	693.192,	5159.025,	0.0,	0.0	!	!END!

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6703	!	X =	693.242,	5159.025,	0.0,	0.0	!	!END!
6704	!	X =	693.292,	5159.025,	0.0,	0.0	!	!END!
6705	!	X =	693.342,	5159.025,	0.0,	0.0	!	!END!
6706	!	X =	693.392,	5159.025,	0.0,	0.0	!	!END!
6707	!	X =	693.442,	5159.025,	0.0,	0.0	!	!END!
6708	!	X =	693.492,	5159.025,	0.0,	0.0	!	!END!
6709	!	X =	691.992,	5157.525,	0.0,	0.0	!	!END!
6710	!	X =	692.092,	5157.525,	0.0,	0.0	!	!END!
6711	!	X =	692.192,	5157.525,	0.0,	0.0	!	!END!
6712	!	X =	692.292,	5157.525,	0.0,	0.0	!	!END!
6713	!	X =	692.392,	5157.525,	0.0,	0.0	!	!END!
6714	!	X =	692.492,	5157.525,	0.0,	0.0	!	!END!
6715	!	X =	692.592,	5157.525,	0.0,	0.0	!	!END!
6716	!	X =	692.692,	5157.525,	0.0,	0.0	!	!END!
6717	!	X =	692.792,	5157.525,	0.0,	0.0	!	!END!
6718	!	X =	692.892,	5157.525,	0.0,	0.0	!	!END!
6719	!	X =	692.992,	5157.525,	0.0,	0.0	!	!END!
6720	!	X =	693.092,	5157.525,	0.0,	0.0	!	!END!
6721	!	X =	693.192,	5157.525,	0.0,	0.0	!	!END!
6722	!	X =	693.292,	5157.525,	0.0,	0.0	!	!END!
6723	!	X =	693.392,	5157.525,	0.0,	0.0	!	!END!
6724	!	X =	693.492,	5157.525,	0.0,	0.0	!	!END!
6725	!	X =	693.592,	5157.525,	0.0,	0.0	!	!END!
6726	!	X =	693.692,	5157.525,	0.0,	0.0	!	!END!
6727	!	X =	693.792,	5157.525,	0.0,	0.0	!	!END!
6728	!	X =	693.892,	5157.525,	0.0,	0.0	!	!END!
6729	!	X =	693.992,	5157.525,	0.0,	0.0	!	!END!
6730	!	X =	691.992,	5157.625,	0.0,	0.0	!	!END!
6731	!	X =	692.092,	5157.625,	0.0,	0.0	!	!END!
6732	!	X =	692.192,	5157.625,	0.0,	0.0	!	!END!
6733	!	X =	692.292,	5157.625,	0.0,	0.0	!	!END!
6734	!	X =	692.392,	5157.625,	0.0,	0.0	!	!END!
6735	!	X =	692.492,	5157.625,	0.0,	0.0	!	!END!
6736	!	X =	692.592,	5157.625,	0.0,	0.0	!	!END!
6737	!	X =	692.692,	5157.625,	0.0,	0.0	!	!END!
6738	!	X =	692.792,	5157.625,	0.0,	0.0	!	!END!
6739	!	X =	692.892,	5157.625,	0.0,	0.0	!	!END!
6740	!	X =	692.992,	5157.625,	0.0,	0.0	!	!END!
6741	!	X =	693.092,	5157.625,	0.0,	0.0	!	!END!
6742	!	X =	693.192,	5157.625,	0.0,	0.0	!	!END!
6743	!	X =	693.292,	5157.625,	0.0,	0.0	!	!END!
6744	!	X =	693.392,	5157.625,	0.0,	0.0	!	!END!
6745	!	X =	693.492,	5157.625,	0.0,	0.0	!	!END!
6746	!	X =	693.592,	5157.625,	0.0,	0.0	!	!END!
6747	!	X =	693.692,	5157.625,	0.0,	0.0	!	!END!
6748	!	X =	693.792,	5157.625,	0.0,	0.0	!	!END!
6749	!	X =	693.892,	5157.625,	0.0,	0.0	!	!END!
6750	!	X =	693.992,	5157.625,	0.0,	0.0	!	!END!
6751	!	X =	691.992,	5157.725,	0.0,	0.0	!	!END!
6752	!	X =	692.092,	5157.725,	0.0,	0.0	!	!END!
6753	!	X =	692.192,	5157.725,	0.0,	0.0	!	!END!
6754	!	X =	692.292,	5157.725,	0.0,	0.0	!	!END!
6755	!	X =	692.392,	5157.725,	0.0,	0.0	!	!END!
6756	!	X =	692.492,	5157.725,	0.0,	0.0	!	!END!
6757	!	X =	692.592,	5157.725,	0.0,	0.0	!	!END!
6758	!	X =	692.692,	5157.725,	0.0,	0.0	!	!END!
6759	!	X =	692.792,	5157.725,	0.0,	0.0	!	!END!
6760	!	X =	692.892,	5157.725,	0.0,	0.0	!	!END!
6761	!	X =	692.992,	5157.725,	0.0,	0.0	!	!END!
6762	!	X =	693.092,	5157.725,	0.0,	0.0	!	!END!
6763	!	X =	693.192,	5157.725,	0.0,	0.0	!	!END!
6764	!	X =	693.292,	5157.725,	0.0,	0.0	!	!END!
6765	!	X =	693.392,	5157.725,	0.0,	0.0	!	!END!

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6766	!	X =	693.492,	5157.725,	0.0,	0.0	!	!END!
6767	!	X =	693.592,	5157.725,	0.0,	0.0	!	!END!
6768	!	X =	693.692,	5157.725,	0.0,	0.0	!	!END!
6769	!	X =	693.792,	5157.725,	0.0,	0.0	!	!END!
6770	!	X =	693.892,	5157.725,	0.0,	0.0	!	!END!
6771	!	X =	693.992,	5157.725,	0.0,	0.0	!	!END!
6772	!	X =	691.992,	5157.825,	0.0,	0.0	!	!END!
6773	!	X =	692.092,	5157.825,	0.0,	0.0	!	!END!
6774	!	X =	692.192,	5157.825,	0.0,	0.0	!	!END!
6775	!	X =	692.292,	5157.825,	0.0,	0.0	!	!END!
6776	!	X =	692.392,	5157.825,	0.0,	0.0	!	!END!
6777	!	X =	692.492,	5157.825,	0.0,	0.0	!	!END!
6778	!	X =	692.592,	5157.825,	0.0,	0.0	!	!END!
6779	!	X =	692.692,	5157.825,	0.0,	0.0	!	!END!
6780	!	X =	692.792,	5157.825,	0.0,	0.0	!	!END!
6781	!	X =	692.892,	5157.825,	0.0,	0.0	!	!END!
6782	!	X =	692.992,	5157.825,	0.0,	0.0	!	!END!
6783	!	X =	693.092,	5157.825,	0.0,	0.0	!	!END!
6784	!	X =	693.192,	5157.825,	0.0,	0.0	!	!END!
6785	!	X =	693.292,	5157.825,	0.0,	0.0	!	!END!
6786	!	X =	693.392,	5157.825,	0.0,	0.0	!	!END!
6787	!	X =	693.492,	5157.825,	0.0,	0.0	!	!END!
6788	!	X =	693.592,	5157.825,	0.0,	0.0	!	!END!
6789	!	X =	693.692,	5157.825,	0.0,	0.0	!	!END!
6790	!	X =	693.792,	5157.825,	0.0,	0.0	!	!END!
6791	!	X =	693.892,	5157.825,	0.0,	0.0	!	!END!
6792	!	X =	693.992,	5157.825,	0.0,	0.0	!	!END!
6793	!	X =	691.992,	5157.925,	0.0,	0.0	!	!END!
6794	!	X =	692.092,	5157.925,	0.0,	0.0	!	!END!
6795	!	X =	692.192,	5157.925,	0.0,	0.0	!	!END!
6796	!	X =	692.292,	5157.925,	0.0,	0.0	!	!END!
6797	!	X =	692.392,	5157.925,	0.0,	0.0	!	!END!
6798	!	X =	692.492,	5157.925,	0.0,	0.0	!	!END!
6799	!	X =	692.592,	5157.925,	0.0,	0.0	!	!END!
6800	!	X =	692.692,	5157.925,	0.0,	0.0	!	!END!
6801	!	X =	692.792,	5157.925,	0.0,	0.0	!	!END!
6802	!	X =	692.892,	5157.925,	0.0,	0.0	!	!END!
6803	!	X =	692.992,	5157.925,	0.0,	0.0	!	!END!
6804	!	X =	693.092,	5157.925,	0.0,	0.0	!	!END!
6805	!	X =	693.192,	5157.925,	0.0,	0.0	!	!END!
6806	!	X =	693.292,	5157.925,	0.0,	0.0	!	!END!
6807	!	X =	693.392,	5157.925,	0.0,	0.0	!	!END!
6808	!	X =	693.492,	5157.925,	0.0,	0.0	!	!END!
6809	!	X =	693.592,	5157.925,	0.0,	0.0	!	!END!
6810	!	X =	693.692,	5157.925,	0.0,	0.0	!	!END!
6811	!	X =	693.792,	5157.925,	0.0,	0.0	!	!END!
6812	!	X =	693.892,	5157.925,	0.0,	0.0	!	!END!
6813	!	X =	693.992,	5157.925,	0.0,	0.0	!	!END!
6814	!	X =	691.992,	5158.025,	0.0,	0.0	!	!END!
6815	!	X =	692.092,	5158.025,	0.0,	0.0	!	!END!
6816	!	X =	692.192,	5158.025,	0.0,	0.0	!	!END!
6817	!	X =	692.292,	5158.025,	0.0,	0.0	!	!END!
6818	!	X =	692.392,	5158.025,	0.0,	0.0	!	!END!
6819	!	X =	693.592,	5158.025,	0.0,	0.0	!	!END!
6820	!	X =	693.692,	5158.025,	0.0,	0.0	!	!END!
6821	!	X =	693.792,	5158.025,	0.0,	0.0	!	!END!
6822	!	X =	693.892,	5158.025,	0.0,	0.0	!	!END!
6823	!	X =	693.992,	5158.025,	0.0,	0.0	!	!END!
6824	!	X =	691.992,	5158.125,	0.0,	0.0	!	!END!
6825	!	X =	692.092,	5158.125,	0.0,	0.0	!	!END!
6826	!	X =	692.192,	5158.125,	0.0,	0.0	!	!END!
6827	!	X =	692.292,	5158.125,	0.0,	0.0	!	!END!
6828	!	X =	692.392,	5158.125,	0.0,	0.0	!	!END!

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6892	!	X =	693.892,	5158.725,	0.0,	0.0	!	!END!
6893	!	X =	693.992,	5158.725,	0.0,	0.0	!	!END!
6894	!	X =	691.992,	5158.825,	0.0,	0.0	!	!END!
6895	!	X =	692.092,	5158.825,	0.0,	0.0	!	!END!
6896	!	X =	692.192,	5158.825,	0.0,	0.0	!	!END!
6897	!	X =	692.292,	5158.825,	0.0,	0.0	!	!END!
6898	!	X =	692.392,	5158.825,	0.0,	0.0	!	!END!
6899	!	X =	693.592,	5158.825,	0.0,	0.0	!	!END!
6900	!	X =	693.692,	5158.825,	0.0,	0.0	!	!END!
6901	!	X =	693.792,	5158.825,	0.0,	0.0	!	!END!
6902	!	X =	693.892,	5158.825,	0.0,	0.0	!	!END!
6903	!	X =	693.992,	5158.825,	0.0,	0.0	!	!END!
6904	!	X =	691.992,	5158.925,	0.0,	0.0	!	!END!
6905	!	X =	692.092,	5158.925,	0.0,	0.0	!	!END!
6906	!	X =	692.192,	5158.925,	0.0,	0.0	!	!END!
6907	!	X =	692.292,	5158.925,	0.0,	0.0	!	!END!
6908	!	X =	692.392,	5158.925,	0.0,	0.0	!	!END!
6909	!	X =	693.592,	5158.925,	0.0,	0.0	!	!END!
6910	!	X =	693.692,	5158.925,	0.0,	0.0	!	!END!
6911	!	X =	693.792,	5158.925,	0.0,	0.0	!	!END!
6912	!	X =	693.892,	5158.925,	0.0,	0.0	!	!END!
6913	!	X =	693.992,	5158.925,	0.0,	0.0	!	!END!
6914	!	X =	691.992,	5159.025,	0.0,	0.0	!	!END!
6915	!	X =	692.092,	5159.025,	0.0,	0.0	!	!END!
6916	!	X =	692.192,	5159.025,	0.0,	0.0	!	!END!
6917	!	X =	692.292,	5159.025,	0.0,	0.0	!	!END!
6918	!	X =	692.392,	5159.025,	0.0,	0.0	!	!END!
6919	!	X =	693.592,	5159.025,	0.0,	0.0	!	!END!
6920	!	X =	693.692,	5159.025,	0.0,	0.0	!	!END!
6921	!	X =	693.792,	5159.025,	0.0,	0.0	!	!END!
6922	!	X =	693.892,	5159.025,	0.0,	0.0	!	!END!
6923	!	X =	693.992,	5159.025,	0.0,	0.0	!	!END!
6924	!	X =	691.992,	5159.125,	0.0,	0.0	!	!END!
6925	!	X =	692.092,	5159.125,	0.0,	0.0	!	!END!
6926	!	X =	692.192,	5159.125,	0.0,	0.0	!	!END!
6927	!	X =	692.292,	5159.125,	0.0,	0.0	!	!END!
6928	!	X =	692.392,	5159.125,	0.0,	0.0	!	!END!
6929	!	X =	692.492,	5159.125,	0.0,	0.0	!	!END!
6930	!	X =	692.592,	5159.125,	0.0,	0.0	!	!END!
6931	!	X =	692.692,	5159.125,	0.0,	0.0	!	!END!
6932	!	X =	692.792,	5159.125,	0.0,	0.0	!	!END!
6933	!	X =	692.892,	5159.125,	0.0,	0.0	!	!END!
6934	!	X =	692.992,	5159.125,	0.0,	0.0	!	!END!
6935	!	X =	693.092,	5159.125,	0.0,	0.0	!	!END!
6936	!	X =	693.192,	5159.125,	0.0,	0.0	!	!END!
6937	!	X =	693.292,	5159.125,	0.0,	0.0	!	!END!
6938	!	X =	693.392,	5159.125,	0.0,	0.0	!	!END!
6939	!	X =	693.492,	5159.125,	0.0,	0.0	!	!END!
6940	!	X =	693.592,	5159.125,	0.0,	0.0	!	!END!
6941	!	X =	693.692,	5159.125,	0.0,	0.0	!	!END!
6942	!	X =	693.792,	5159.125,	0.0,	0.0	!	!END!
6943	!	X =	693.892,	5159.125,	0.0,	0.0	!	!END!
6944	!	X =	693.992,	5159.125,	0.0,	0.0	!	!END!
6945	!	X =	691.992,	5159.225,	0.0,	0.0	!	!END!
6946	!	X =	692.092,	5159.225,	0.0,	0.0	!	!END!
6947	!	X =	692.192,	5159.225,	0.0,	0.0	!	!END!
6948	!	X =	692.292,	5159.225,	0.0,	0.0	!	!END!
6949	!	X =	692.392,	5159.225,	0.0,	0.0	!	!END!
6950	!	X =	692.492,	5159.225,	0.0,	0.0	!	!END!
6951	!	X =	692.592,	5159.225,	0.0,	0.0	!	!END!
6952	!	X =	692.692,	5159.225,	0.0,	0.0	!	!END!
6953	!	X =	692.792,	5159.225,	0.0,	0.0	!	!END!
6954	!	X =	692.892,	5159.225,	0.0,	0.0	!	!END!

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6955	!	X =	692.992,	5159.225,	0.0,	0.0	!	!END!
6956	!	X =	693.092,	5159.225,	0.0,	0.0	!	!END!
6957	!	X =	693.192,	5159.225,	0.0,	0.0	!	!END!
6958	!	X =	693.292,	5159.225,	0.0,	0.0	!	!END!
6959	!	X =	693.392,	5159.225,	0.0,	0.0	!	!END!
6960	!	X =	693.492,	5159.225,	0.0,	0.0	!	!END!
6961	!	X =	693.592,	5159.225,	0.0,	0.0	!	!END!
6962	!	X =	693.692,	5159.225,	0.0,	0.0	!	!END!
6963	!	X =	693.792,	5159.225,	0.0,	0.0	!	!END!
6964	!	X =	693.892,	5159.225,	0.0,	0.0	!	!END!
6965	!	X =	693.992,	5159.225,	0.0,	0.0	!	!END!
6966	!	X =	691.992,	5159.325,	0.0,	0.0	!	!END!
6967	!	X =	692.092,	5159.325,	0.0,	0.0	!	!END!
6968	!	X =	692.192,	5159.325,	0.0,	0.0	!	!END!
6969	!	X =	692.292,	5159.325,	0.0,	0.0	!	!END!
6970	!	X =	692.392,	5159.325,	0.0,	0.0	!	!END!
6971	!	X =	692.492,	5159.325,	0.0,	0.0	!	!END!
6972	!	X =	692.592,	5159.325,	0.0,	0.0	!	!END!
6973	!	X =	692.692,	5159.325,	0.0,	0.0	!	!END!
6974	!	X =	692.792,	5159.325,	0.0,	0.0	!	!END!
6975	!	X =	692.892,	5159.325,	0.0,	0.0	!	!END!
6976	!	X =	692.992,	5159.325,	0.0,	0.0	!	!END!
6977	!	X =	693.092,	5159.325,	0.0,	0.0	!	!END!
6978	!	X =	693.192,	5159.325,	0.0,	0.0	!	!END!
6979	!	X =	693.292,	5159.325,	0.0,	0.0	!	!END!
6980	!	X =	693.392,	5159.325,	0.0,	0.0	!	!END!
6981	!	X =	693.492,	5159.325,	0.0,	0.0	!	!END!
6982	!	X =	693.592,	5159.325,	0.0,	0.0	!	!END!
6983	!	X =	693.692,	5159.325,	0.0,	0.0	!	!END!
6984	!	X =	693.792,	5159.325,	0.0,	0.0	!	!END!
6985	!	X =	693.892,	5159.325,	0.0,	0.0	!	!END!
6986	!	X =	693.992,	5159.325,	0.0,	0.0	!	!END!
6987	!	X =	691.992,	5159.425,	0.0,	0.0	!	!END!
6988	!	X =	692.092,	5159.425,	0.0,	0.0	!	!END!
6989	!	X =	692.192,	5159.425,	0.0,	0.0	!	!END!
6990	!	X =	692.292,	5159.425,	0.0,	0.0	!	!END!
6991	!	X =	692.392,	5159.425,	0.0,	0.0	!	!END!
6992	!	X =	692.492,	5159.425,	0.0,	0.0	!	!END!
6993	!	X =	692.592,	5159.425,	0.0,	0.0	!	!END!
6994	!	X =	692.692,	5159.425,	0.0,	0.0	!	!END!
6995	!	X =	692.792,	5159.425,	0.0,	0.0	!	!END!
6996	!	X =	692.892,	5159.425,	0.0,	0.0	!	!END!
6997	!	X =	692.992,	5159.425,	0.0,	0.0	!	!END!
6998	!	X =	693.092,	5159.425,	0.0,	0.0	!	!END!
6999	!	X =	693.192,	5159.425,	0.0,	0.0	!	!END!
7000	!	X =	693.292,	5159.425,	0.0,	0.0	!	!END!
7001	!	X =	693.392,	5159.425,	0.0,	0.0	!	!END!
7002	!	X =	693.492,	5159.425,	0.0,	0.0	!	!END!
7003	!	X =	693.592,	5159.425,	0.0,	0.0	!	!END!
7004	!	X =	693.692,	5159.425,	0.0,	0.0	!	!END!
7005	!	X =	693.792,	5159.425,	0.0,	0.0	!	!END!
7006	!	X =	693.892,	5159.425,	0.0,	0.0	!	!END!
7007	!	X =	693.992,	5159.425,	0.0,	0.0	!	!END!
7008	!	X =	691.992,	5159.525,	0.0,	0.0	!	!END!
7009	!	X =	692.092,	5159.525,	0.0,	0.0	!	!END!
7010	!	X =	692.192,	5159.525,	0.0,	0.0	!	!END!
7011	!	X =	692.292,	5159.525,	0.0,	0.0	!	!END!
7012	!	X =	692.392,	5159.525,	0.0,	0.0	!	!END!
7013	!	X =	692.492,	5159.525,	0.0,	0.0	!	!END!
7014	!	X =	692.592,	5159.525,	0.0,	0.0	!	!END!
7015	!	X =	692.692,	5159.525,	0.0,	0.0	!	!END!
7016	!	X =	692.792,	5159.525,	0.0,	0.0	!	!END!
7017	!	X =	692.892,	5159.525,	0.0,	0.0	!	!END!

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7018	!	X =	692.992,	5159.525,	0.0,	0.0	!	!END!
7019	!	X =	693.092,	5159.525,	0.0,	0.0	!	!END!
7020	!	X =	693.192,	5159.525,	0.0,	0.0	!	!END!
7021	!	X =	693.292,	5159.525,	0.0,	0.0	!	!END!
7022	!	X =	693.392,	5159.525,	0.0,	0.0	!	!END!
7023	!	X =	693.492,	5159.525,	0.0,	0.0	!	!END!
7024	!	X =	693.592,	5159.525,	0.0,	0.0	!	!END!
7025	!	X =	693.692,	5159.525,	0.0,	0.0	!	!END!
7026	!	X =	693.792,	5159.525,	0.0,	0.0	!	!END!
7027	!	X =	693.892,	5159.525,	0.0,	0.0	!	!END!
7028	!	X =	693.992,	5159.525,	0.0,	0.0	!	!END!
7029	!	X =	690.992,	5156.525,	0.0,	0.0	!	!END!
7030	!	X =	691.192,	5156.525,	0.0,	0.0	!	!END!
7031	!	X =	691.392,	5156.525,	0.0,	0.0	!	!END!
7032	!	X =	691.592,	5156.525,	0.0,	0.0	!	!END!
7033	!	X =	691.792,	5156.525,	0.0,	0.0	!	!END!
7034	!	X =	691.992,	5156.525,	0.0,	0.0	!	!END!
7035	!	X =	692.192,	5156.525,	0.0,	0.0	!	!END!
7036	!	X =	692.392,	5156.525,	0.0,	0.0	!	!END!
7037	!	X =	692.592,	5156.525,	0.0,	0.0	!	!END!
7038	!	X =	692.792,	5156.525,	0.0,	0.0	!	!END!
7039	!	X =	692.992,	5156.525,	0.0,	0.0	!	!END!
7040	!	X =	693.192,	5156.525,	0.0,	0.0	!	!END!
7041	!	X =	693.392,	5156.525,	0.0,	0.0	!	!END!
7042	!	X =	693.592,	5156.525,	0.0,	0.0	!	!END!
7043	!	X =	693.792,	5156.525,	0.0,	0.0	!	!END!
7044	!	X =	693.992,	5156.525,	0.0,	0.0	!	!END!
7045	!	X =	694.192,	5156.525,	0.0,	0.0	!	!END!
7046	!	X =	694.392,	5156.525,	0.0,	0.0	!	!END!
7047	!	X =	694.592,	5156.525,	0.0,	0.0	!	!END!
7048	!	X =	694.792,	5156.525,	0.0,	0.0	!	!END!
7049	!	X =	694.992,	5156.525,	0.0,	0.0	!	!END!
7050	!	X =	690.992,	5156.725,	0.0,	0.0	!	!END!
7051	!	X =	691.192,	5156.725,	0.0,	0.0	!	!END!
7052	!	X =	691.392,	5156.725,	0.0,	0.0	!	!END!
7053	!	X =	691.592,	5156.725,	0.0,	0.0	!	!END!
7054	!	X =	691.792,	5156.725,	0.0,	0.0	!	!END!
7055	!	X =	691.992,	5156.725,	0.0,	0.0	!	!END!
7056	!	X =	692.192,	5156.725,	0.0,	0.0	!	!END!
7057	!	X =	692.392,	5156.725,	0.0,	0.0	!	!END!
7058	!	X =	692.592,	5156.725,	0.0,	0.0	!	!END!
7059	!	X =	692.792,	5156.725,	0.0,	0.0	!	!END!
7060	!	X =	692.992,	5156.725,	0.0,	0.0	!	!END!
7061	!	X =	693.192,	5156.725,	0.0,	0.0	!	!END!
7062	!	X =	693.392,	5156.725,	0.0,	0.0	!	!END!
7063	!	X =	693.592,	5156.725,	0.0,	0.0	!	!END!
7064	!	X =	693.792,	5156.725,	0.0,	0.0	!	!END!
7065	!	X =	693.992,	5156.725,	0.0,	0.0	!	!END!
7066	!	X =	694.192,	5156.725,	0.0,	0.0	!	!END!
7067	!	X =	694.392,	5156.725,	0.0,	0.0	!	!END!
7068	!	X =	694.592,	5156.725,	0.0,	0.0	!	!END!
7069	!	X =	694.792,	5156.725,	0.0,	0.0	!	!END!
7070	!	X =	694.992,	5156.725,	0.0,	0.0	!	!END!
7071	!	X =	690.992,	5156.925,	0.0,	0.0	!	!END!
7072	!	X =	691.192,	5156.925,	0.0,	0.0	!	!END!
7073	!	X =	691.392,	5156.925,	0.0,	0.0	!	!END!
7074	!	X =	691.592,	5156.925,	0.0,	0.0	!	!END!
7075	!	X =	691.792,	5156.925,	0.0,	0.0	!	!END!
7076	!	X =	691.992,	5156.925,	0.0,	0.0	!	!END!
7077	!	X =	692.192,	5156.925,	0.0,	0.0	!	!END!
7078	!	X =	692.392,	5156.925,	0.0,	0.0	!	!END!
7079	!	X =	692.592,	5156.925,	0.0,	0.0	!	!END!
7080	!	X =	692.792,	5156.925,	0.0,	0.0	!	!END!

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7081	!	X =	692.992,	5156.925,	0.0,	0.0	!	!END!
7082	!	X =	693.192,	5156.925,	0.0,	0.0	!	!END!
7083	!	X =	693.392,	5156.925,	0.0,	0.0	!	!END!
7084	!	X =	693.592,	5156.925,	0.0,	0.0	!	!END!
7085	!	X =	693.792,	5156.925,	0.0,	0.0	!	!END!
7086	!	X =	693.992,	5156.925,	0.0,	0.0	!	!END!
7087	!	X =	694.192,	5156.925,	0.0,	0.0	!	!END!
7088	!	X =	694.392,	5156.925,	0.0,	0.0	!	!END!
7089	!	X =	694.592,	5156.925,	0.0,	0.0	!	!END!
7090	!	X =	694.792,	5156.925,	0.0,	0.0	!	!END!
7091	!	X =	694.992,	5156.925,	0.0,	0.0	!	!END!
7092	!	X =	690.992,	5157.125,	0.0,	0.0	!	!END!
7093	!	X =	691.192,	5157.125,	0.0,	0.0	!	!END!
7094	!	X =	691.392,	5157.125,	0.0,	0.0	!	!END!
7095	!	X =	691.592,	5157.125,	0.0,	0.0	!	!END!
7096	!	X =	691.792,	5157.125,	0.0,	0.0	!	!END!
7097	!	X =	691.992,	5157.125,	0.0,	0.0	!	!END!
7098	!	X =	692.192,	5157.125,	0.0,	0.0	!	!END!
7099	!	X =	692.392,	5157.125,	0.0,	0.0	!	!END!
7100	!	X =	692.592,	5157.125,	0.0,	0.0	!	!END!
7101	!	X =	692.792,	5157.125,	0.0,	0.0	!	!END!
7102	!	X =	692.992,	5157.125,	0.0,	0.0	!	!END!
7103	!	X =	693.192,	5157.125,	0.0,	0.0	!	!END!
7104	!	X =	693.392,	5157.125,	0.0,	0.0	!	!END!
7105	!	X =	693.592,	5157.125,	0.0,	0.0	!	!END!
7106	!	X =	693.792,	5157.125,	0.0,	0.0	!	!END!
7107	!	X =	693.992,	5157.125,	0.0,	0.0	!	!END!
7108	!	X =	694.192,	5157.125,	0.0,	0.0	!	!END!
7109	!	X =	694.392,	5157.125,	0.0,	0.0	!	!END!
7110	!	X =	694.592,	5157.125,	0.0,	0.0	!	!END!
7111	!	X =	694.792,	5157.125,	0.0,	0.0	!	!END!
7112	!	X =	694.992,	5157.125,	0.0,	0.0	!	!END!
7113	!	X =	690.992,	5157.325,	0.0,	0.0	!	!END!
7114	!	X =	691.192,	5157.325,	0.0,	0.0	!	!END!
7115	!	X =	691.392,	5157.325,	0.0,	0.0	!	!END!
7116	!	X =	691.592,	5157.325,	0.0,	0.0	!	!END!
7117	!	X =	691.792,	5157.325,	0.0,	0.0	!	!END!
7118	!	X =	691.992,	5157.325,	0.0,	0.0	!	!END!
7119	!	X =	692.192,	5157.325,	0.0,	0.0	!	!END!
7120	!	X =	692.392,	5157.325,	0.0,	0.0	!	!END!
7121	!	X =	692.592,	5157.325,	0.0,	0.0	!	!END!
7122	!	X =	692.792,	5157.325,	0.0,	0.0	!	!END!
7123	!	X =	692.992,	5157.325,	0.0,	0.0	!	!END!
7124	!	X =	693.192,	5157.325,	0.0,	0.0	!	!END!
7125	!	X =	693.392,	5157.325,	0.0,	0.0	!	!END!
7126	!	X =	693.592,	5157.325,	0.0,	0.0	!	!END!
7127	!	X =	693.792,	5157.325,	0.0,	0.0	!	!END!
7128	!	X =	693.992,	5157.325,	0.0,	0.0	!	!END!
7129	!	X =	694.192,	5157.325,	0.0,	0.0	!	!END!
7130	!	X =	694.392,	5157.325,	0.0,	0.0	!	!END!
7131	!	X =	694.592,	5157.325,	0.0,	0.0	!	!END!
7132	!	X =	694.792,	5157.325,	0.0,	0.0	!	!END!
7133	!	X =	694.992,	5157.325,	0.0,	0.0	!	!END!
7134	!	X =	690.992,	5157.525,	0.0,	0.0	!	!END!
7135	!	X =	691.192,	5157.525,	0.0,	0.0	!	!END!
7136	!	X =	691.392,	5157.525,	0.0,	0.0	!	!END!
7137	!	X =	691.592,	5157.525,	0.0,	0.0	!	!END!
7138	!	X =	691.792,	5157.525,	0.0,	0.0	!	!END!
7139	!	X =	694.192,	5157.525,	0.0,	0.0	!	!END!
7140	!	X =	694.392,	5157.525,	0.0,	0.0	!	!END!
7141	!	X =	694.592,	5157.525,	0.0,	0.0	!	!END!
7142	!	X =	694.792,	5157.525,	0.0,	0.0	!	!END!
7143	!	X =	694.992,	5157.525,	0.0,	0.0	!	!END!

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7207	!	X =	691.592,	5158.925,	0.0,	0.0	!	!END!
7208	!	X =	691.792,	5158.925,	0.0,	0.0	!	!END!
7209	!	X =	694.192,	5158.925,	0.0,	0.0	!	!END!
7210	!	X =	694.392,	5158.925,	0.0,	0.0	!	!END!
7211	!	X =	694.592,	5158.925,	0.0,	0.0	!	!END!
7212	!	X =	694.792,	5158.925,	0.0,	0.0	!	!END!
7213	!	X =	694.992,	5158.925,	0.0,	0.0	!	!END!
7214	!	X =	690.992,	5159.125,	0.0,	0.0	!	!END!
7215	!	X =	691.192,	5159.125,	0.0,	0.0	!	!END!
7216	!	X =	691.392,	5159.125,	0.0,	0.0	!	!END!
7217	!	X =	691.592,	5159.125,	0.0,	0.0	!	!END!
7218	!	X =	691.792,	5159.125,	0.0,	0.0	!	!END!
7219	!	X =	694.192,	5159.125,	0.0,	0.0	!	!END!
7220	!	X =	694.392,	5159.125,	0.0,	0.0	!	!END!
7221	!	X =	694.592,	5159.125,	0.0,	0.0	!	!END!
7222	!	X =	694.792,	5159.125,	0.0,	0.0	!	!END!
7223	!	X =	694.992,	5159.125,	0.0,	0.0	!	!END!
7224	!	X =	690.992,	5159.325,	0.0,	0.0	!	!END!
7225	!	X =	691.192,	5159.325,	0.0,	0.0	!	!END!
7226	!	X =	691.392,	5159.325,	0.0,	0.0	!	!END!
7227	!	X =	691.592,	5159.325,	0.0,	0.0	!	!END!
7228	!	X =	691.792,	5159.325,	0.0,	0.0	!	!END!
7229	!	X =	694.192,	5159.325,	0.0,	0.0	!	!END!
7230	!	X =	694.392,	5159.325,	0.0,	0.0	!	!END!
7231	!	X =	694.592,	5159.325,	0.0,	0.0	!	!END!
7232	!	X =	694.792,	5159.325,	0.0,	0.0	!	!END!
7233	!	X =	694.992,	5159.325,	0.0,	0.0	!	!END!
7234	!	X =	690.992,	5159.525,	0.0,	0.0	!	!END!
7235	!	X =	691.192,	5159.525,	0.0,	0.0	!	!END!
7236	!	X =	691.392,	5159.525,	0.0,	0.0	!	!END!
7237	!	X =	691.592,	5159.525,	0.0,	0.0	!	!END!
7238	!	X =	691.792,	5159.525,	0.0,	0.0	!	!END!
7239	!	X =	694.192,	5159.525,	0.0,	0.0	!	!END!
7240	!	X =	694.392,	5159.525,	0.0,	0.0	!	!END!
7241	!	X =	694.592,	5159.525,	0.0,	0.0	!	!END!
7242	!	X =	694.792,	5159.525,	0.0,	0.0	!	!END!
7243	!	X =	694.992,	5159.525,	0.0,	0.0	!	!END!
7244	!	X =	690.992,	5159.725,	0.0,	0.0	!	!END!
7245	!	X =	691.192,	5159.725,	0.0,	0.0	!	!END!
7246	!	X =	691.392,	5159.725,	0.0,	0.0	!	!END!
7247	!	X =	691.592,	5159.725,	0.0,	0.0	!	!END!
7248	!	X =	691.792,	5159.725,	0.0,	0.0	!	!END!
7249	!	X =	691.992,	5159.725,	0.0,	0.0	!	!END!
7250	!	X =	692.192,	5159.725,	0.0,	0.0	!	!END!
7251	!	X =	692.392,	5159.725,	0.0,	0.0	!	!END!
7252	!	X =	692.592,	5159.725,	0.0,	0.0	!	!END!
7253	!	X =	692.792,	5159.725,	0.0,	0.0	!	!END!
7254	!	X =	692.992,	5159.725,	0.0,	0.0	!	!END!
7255	!	X =	693.192,	5159.725,	0.0,	0.0	!	!END!
7256	!	X =	693.392,	5159.725,	0.0,	0.0	!	!END!
7257	!	X =	693.592,	5159.725,	0.0,	0.0	!	!END!
7258	!	X =	693.792,	5159.725,	0.0,	0.0	!	!END!
7259	!	X =	693.992,	5159.725,	0.0,	0.0	!	!END!
7260	!	X =	694.192,	5159.725,	0.0,	0.0	!	!END!
7261	!	X =	694.392,	5159.725,	0.0,	0.0	!	!END!
7262	!	X =	694.592,	5159.725,	0.0,	0.0	!	!END!
7263	!	X =	694.792,	5159.725,	0.0,	0.0	!	!END!
7264	!	X =	694.992,	5159.725,	0.0,	0.0	!	!END!
7265	!	X =	690.992,	5159.925,	0.0,	0.0	!	!END!
7266	!	X =	691.192,	5159.925,	0.0,	0.0	!	!END!
7267	!	X =	691.392,	5159.925,	0.0,	0.0	!	!END!
7268	!	X =	691.592,	5159.925,	0.0,	0.0	!	!END!
7269	!	X =	691.792,	5159.925,	0.0,	0.0	!	!END!

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7270	!	X =	691.992,	5159.925,	0.0,	0.0	!	!END!
7271	!	X =	692.192,	5159.925,	0.0,	0.0	!	!END!
7272	!	X =	692.392,	5159.925,	0.0,	0.0	!	!END!
7273	!	X =	692.592,	5159.925,	0.0,	0.0	!	!END!
7274	!	X =	692.792,	5159.925,	0.0,	0.0	!	!END!
7275	!	X =	692.992,	5159.925,	0.0,	0.0	!	!END!
7276	!	X =	693.192,	5159.925,	0.0,	0.0	!	!END!
7277	!	X =	693.392,	5159.925,	0.0,	0.0	!	!END!
7278	!	X =	693.592,	5159.925,	0.0,	0.0	!	!END!
7279	!	X =	693.792,	5159.925,	0.0,	0.0	!	!END!
7280	!	X =	693.992,	5159.925,	0.0,	0.0	!	!END!
7281	!	X =	694.192,	5159.925,	0.0,	0.0	!	!END!
7282	!	X =	694.392,	5159.925,	0.0,	0.0	!	!END!
7283	!	X =	694.592,	5159.925,	0.0,	0.0	!	!END!
7284	!	X =	694.792,	5159.925,	0.0,	0.0	!	!END!
7285	!	X =	694.992,	5159.925,	0.0,	0.0	!	!END!
7286	!	X =	690.992,	5160.125,	0.0,	0.0	!	!END!
7287	!	X =	691.192,	5160.125,	0.0,	0.0	!	!END!
7288	!	X =	691.392,	5160.125,	0.0,	0.0	!	!END!
7289	!	X =	691.592,	5160.125,	0.0,	0.0	!	!END!
7290	!	X =	691.792,	5160.125,	0.0,	0.0	!	!END!
7291	!	X =	691.992,	5160.125,	0.0,	0.0	!	!END!
7292	!	X =	692.192,	5160.125,	0.0,	0.0	!	!END!
7293	!	X =	692.392,	5160.125,	0.0,	0.0	!	!END!
7294	!	X =	692.592,	5160.125,	0.0,	0.0	!	!END!
7295	!	X =	692.792,	5160.125,	0.0,	0.0	!	!END!
7296	!	X =	692.992,	5160.125,	0.0,	0.0	!	!END!
7297	!	X =	693.192,	5160.125,	0.0,	0.0	!	!END!
7298	!	X =	693.392,	5160.125,	0.0,	0.0	!	!END!
7299	!	X =	693.592,	5160.125,	0.0,	0.0	!	!END!
7300	!	X =	693.792,	5160.125,	0.0,	0.0	!	!END!
7301	!	X =	693.992,	5160.125,	0.0,	0.0	!	!END!
7302	!	X =	694.192,	5160.125,	0.0,	0.0	!	!END!
7303	!	X =	694.392,	5160.125,	0.0,	0.0	!	!END!
7304	!	X =	694.592,	5160.125,	0.0,	0.0	!	!END!
7305	!	X =	694.792,	5160.125,	0.0,	0.0	!	!END!
7306	!	X =	694.992,	5160.125,	0.0,	0.0	!	!END!
7307	!	X =	690.992,	5160.325,	0.0,	0.0	!	!END!
7308	!	X =	691.192,	5160.325,	0.0,	0.0	!	!END!
7309	!	X =	691.392,	5160.325,	0.0,	0.0	!	!END!
7310	!	X =	691.592,	5160.325,	0.0,	0.0	!	!END!
7311	!	X =	691.792,	5160.325,	0.0,	0.0	!	!END!
7312	!	X =	691.992,	5160.325,	0.0,	0.0	!	!END!
7313	!	X =	692.192,	5160.325,	0.0,	0.0	!	!END!
7314	!	X =	692.392,	5160.325,	0.0,	0.0	!	!END!
7315	!	X =	692.592,	5160.325,	0.0,	0.0	!	!END!
7316	!	X =	692.792,	5160.325,	0.0,	0.0	!	!END!
7317	!	X =	692.992,	5160.325,	0.0,	0.0	!	!END!
7318	!	X =	693.192,	5160.325,	0.0,	0.0	!	!END!
7319	!	X =	693.392,	5160.325,	0.0,	0.0	!	!END!
7320	!	X =	693.592,	5160.325,	0.0,	0.0	!	!END!
7321	!	X =	693.792,	5160.325,	0.0,	0.0	!	!END!
7322	!	X =	693.992,	5160.325,	0.0,	0.0	!	!END!
7323	!	X =	694.192,	5160.325,	0.0,	0.0	!	!END!
7324	!	X =	694.392,	5160.325,	0.0,	0.0	!	!END!
7325	!	X =	694.592,	5160.325,	0.0,	0.0	!	!END!
7326	!	X =	694.792,	5160.325,	0.0,	0.0	!	!END!
7327	!	X =	694.992,	5160.325,	0.0,	0.0	!	!END!
7328	!	X =	690.992,	5160.525,	0.0,	0.0	!	!END!
7329	!	X =	691.192,	5160.525,	0.0,	0.0	!	!END!
7330	!	X =	691.392,	5160.525,	0.0,	0.0	!	!END!
7331	!	X =	691.592,	5160.525,	0.0,	0.0	!	!END!
7332	!	X =	691.792,	5160.525,	0.0,	0.0	!	!END!

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7333	!	X =	691.992,	5160.525,	0.0,	0.0	!	!END!
7334	!	X =	692.192,	5160.525,	0.0,	0.0	!	!END!
7335	!	X =	692.392,	5160.525,	0.0,	0.0	!	!END!
7336	!	X =	692.592,	5160.525,	0.0,	0.0	!	!END!
7337	!	X =	692.792,	5160.525,	0.0,	0.0	!	!END!
7338	!	X =	692.992,	5160.525,	0.0,	0.0	!	!END!
7339	!	X =	693.192,	5160.525,	0.0,	0.0	!	!END!
7340	!	X =	693.392,	5160.525,	0.0,	0.0	!	!END!
7341	!	X =	693.592,	5160.525,	0.0,	0.0	!	!END!
7342	!	X =	693.792,	5160.525,	0.0,	0.0	!	!END!
7343	!	X =	693.992,	5160.525,	0.0,	0.0	!	!END!
7344	!	X =	694.192,	5160.525,	0.0,	0.0	!	!END!
7345	!	X =	694.392,	5160.525,	0.0,	0.0	!	!END!
7346	!	X =	694.592,	5160.525,	0.0,	0.0	!	!END!
7347	!	X =	694.792,	5160.525,	0.0,	0.0	!	!END!
7348	!	X =	694.992,	5160.525,	0.0,	0.0	!	!END!
7349	!	X =	692.492,	5158.025,	0.0,	0.0	!	!END!
7350	!	X =	692.542,	5158.025,	0.0,	0.0	!	!END!
7351	!	X =	692.592,	5158.025,	0.0,	0.0	!	!END!
7352	!	X =	692.642,	5158.025,	0.0,	0.0	!	!END!
7353	!	X =	692.692,	5158.025,	0.0,	0.0	!	!END!
7354	!	X =	692.742,	5158.025,	0.0,	0.0	!	!END!
7355	!	X =	692.792,	5158.025,	0.0,	0.0	!	!END!
7356	!	X =	692.842,	5158.025,	0.0,	0.0	!	!END!
7357	!	X =	692.892,	5158.025,	0.0,	0.0	!	!END!
7358	!	X =	692.942,	5158.025,	0.0,	0.0	!	!END!
7359	!	X =	692.992,	5158.025,	0.0,	0.0	!	!END!
7360	!	X =	693.042,	5158.025,	0.0,	0.0	!	!END!
7361	!	X =	693.092,	5158.025,	0.0,	0.0	!	!END!
7362	!	X =	693.142,	5158.025,	0.0,	0.0	!	!END!
7363	!	X =	693.192,	5158.025,	0.0,	0.0	!	!END!
7364	!	X =	693.242,	5158.025,	0.0,	0.0	!	!END!
7365	!	X =	693.292,	5158.025,	0.0,	0.0	!	!END!
7366	!	X =	693.342,	5158.025,	0.0,	0.0	!	!END!
7367	!	X =	693.392,	5158.025,	0.0,	0.0	!	!END!
7368	!	X =	693.442,	5158.025,	0.0,	0.0	!	!END!
7369	!	X =	693.492,	5158.025,	0.0,	0.0	!	!END!
7370	!	X =	692.492,	5158.075,	0.0,	0.0	!	!END!
7371	!	X =	692.542,	5158.075,	0.0,	0.0	!	!END!
7372	!	X =	692.592,	5158.075,	0.0,	0.0	!	!END!
7373	!	X =	692.642,	5158.075,	0.0,	0.0	!	!END!
7374	!	X =	692.692,	5158.075,	0.0,	0.0	!	!END!
7375	!	X =	692.742,	5158.075,	0.0,	0.0	!	!END!
7376	!	X =	692.792,	5158.075,	0.0,	0.0	!	!END!
7377	!	X =	692.842,	5158.075,	0.0,	0.0	!	!END!
7378	!	X =	692.892,	5158.075,	0.0,	0.0	!	!END!
7379	!	X =	692.942,	5158.075,	0.0,	0.0	!	!END!
7380	!	X =	692.992,	5158.075,	0.0,	0.0	!	!END!
7381	!	X =	693.042,	5158.075,	0.0,	0.0	!	!END!
7382	!	X =	693.092,	5158.075,	0.0,	0.0	!	!END!
7383	!	X =	693.142,	5158.075,	0.0,	0.0	!	!END!
7384	!	X =	693.192,	5158.075,	0.0,	0.0	!	!END!
7385	!	X =	693.242,	5158.075,	0.0,	0.0	!	!END!
7386	!	X =	693.292,	5158.075,	0.0,	0.0	!	!END!
7387	!	X =	693.342,	5158.075,	0.0,	0.0	!	!END!
7388	!	X =	693.392,	5158.075,	0.0,	0.0	!	!END!
7389	!	X =	727.305,	5185.600,	0.0,	0.0	!	!END!
7390	!	X =	727.355,	5185.600,	0.0,	0.0	!	!END!
7391	!	X =	727.405,	5185.600,	0.0,	0.0	!	!END!
7392	!	X =	727.455,	5185.600,	0.0,	0.0	!	!END!
7393	!	X =	727.505,	5185.600,	0.0,	0.0	!	!END!
7394	!	X =	727.555,	5185.600,	0.0,	0.0	!	!END!
7395	!	X =	727.605,	5185.600,	0.0,	0.0	!	!END!

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7396	!	X =	727.655,	5185.600,	0.0,	0.0	!	!END!
7397	!	X =	727.705,	5185.600,	0.0,	0.0	!	!END!
7398	!	X =	727.755,	5185.600,	0.0,	0.0	!	!END!
7399	!	X =	727.805,	5185.600,	0.0,	0.0	!	!END!
7400	!	X =	727.855,	5185.600,	0.0,	0.0	!	!END!
7401	!	X =	727.905,	5185.600,	0.0,	0.0	!	!END!
7402	!	X =	727.955,	5185.600,	0.0,	0.0	!	!END!
7403	!	X =	728.005,	5185.600,	0.0,	0.0	!	!END!
7404	!	X =	728.055,	5185.600,	0.0,	0.0	!	!END!
7405	!	X =	728.105,	5185.600,	0.0,	0.0	!	!END!
7406	!	X =	728.155,	5185.600,	0.0,	0.0	!	!END!
7407	!	X =	728.205,	5185.600,	0.0,	0.0	!	!END!
7408	!	X =	728.255,	5185.600,	0.0,	0.0	!	!END!
7409	!	X =	728.305,	5185.600,	0.0,	0.0	!	!END!
7410	!	X =	727.305,	5185.650,	0.0,	0.0	!	!END!
7411	!	X =	727.355,	5185.650,	0.0,	0.0	!	!END!
7412	!	X =	727.405,	5185.650,	0.0,	0.0	!	!END!
7413	!	X =	727.455,	5185.650,	0.0,	0.0	!	!END!
7414	!	X =	727.505,	5185.650,	0.0,	0.0	!	!END!
7415	!	X =	727.555,	5185.650,	0.0,	0.0	!	!END!
7416	!	X =	727.605,	5185.650,	0.0,	0.0	!	!END!
7417	!	X =	727.655,	5185.650,	0.0,	0.0	!	!END!
7418	!	X =	727.705,	5185.650,	0.0,	0.0	!	!END!
7419	!	X =	727.755,	5185.650,	0.0,	0.0	!	!END!
7420	!	X =	727.805,	5185.650,	0.0,	0.0	!	!END!
7421	!	X =	727.855,	5185.650,	0.0,	0.0	!	!END!
7422	!	X =	727.905,	5185.650,	0.0,	0.0	!	!END!
7423	!	X =	727.955,	5185.650,	0.0,	0.0	!	!END!
7424	!	X =	728.005,	5185.650,	0.0,	0.0	!	!END!
7425	!	X =	728.055,	5185.650,	0.0,	0.0	!	!END!
7426	!	X =	728.105,	5185.650,	0.0,	0.0	!	!END!
7427	!	X =	728.155,	5185.650,	0.0,	0.0	!	!END!
7428	!	X =	728.205,	5185.650,	0.0,	0.0	!	!END!
7429	!	X =	728.255,	5185.650,	0.0,	0.0	!	!END!
7430	!	X =	728.305,	5185.650,	0.0,	0.0	!	!END!
7431	!	X =	727.305,	5185.700,	0.0,	0.0	!	!END!
7432	!	X =	727.355,	5185.700,	0.0,	0.0	!	!END!
7433	!	X =	727.405,	5185.700,	0.0,	0.0	!	!END!
7434	!	X =	727.455,	5185.700,	0.0,	0.0	!	!END!
7435	!	X =	727.505,	5185.700,	0.0,	0.0	!	!END!
7436	!	X =	727.555,	5185.700,	0.0,	0.0	!	!END!
7437	!	X =	727.605,	5185.700,	0.0,	0.0	!	!END!
7438	!	X =	727.655,	5185.700,	0.0,	0.0	!	!END!
7439	!	X =	727.705,	5185.700,	0.0,	0.0	!	!END!
7440	!	X =	727.755,	5185.700,	0.0,	0.0	!	!END!
7441	!	X =	727.805,	5185.700,	0.0,	0.0	!	!END!
7442	!	X =	727.855,	5185.700,	0.0,	0.0	!	!END!
7443	!	X =	727.905,	5185.700,	0.0,	0.0	!	!END!
7444	!	X =	727.955,	5185.700,	0.0,	0.0	!	!END!
7445	!	X =	728.005,	5185.700,	0.0,	0.0	!	!END!
7446	!	X =	728.055,	5185.700,	0.0,	0.0	!	!END!
7447	!	X =	728.105,	5185.700,	0.0,	0.0	!	!END!
7448	!	X =	728.155,	5185.700,	0.0,	0.0	!	!END!
7449	!	X =	728.205,	5185.700,	0.0,	0.0	!	!END!
7450	!	X =	728.255,	5185.700,	0.0,	0.0	!	!END!
7451	!	X =	728.305,	5185.700,	0.0,	0.0	!	!END!
7452	!	X =	727.305,	5185.750,	0.0,	0.0	!	!END!
7453	!	X =	727.355,	5185.750,	0.0,	0.0	!	!END!
7454	!	X =	727.405,	5185.750,	0.0,	0.0	!	!END!
7455	!	X =	727.455,	5185.750,	0.0,	0.0	!	!END!
7456	!	X =	727.505,	5185.750,	0.0,	0.0	!	!END!
7457	!	X =	727.555,	5185.750,	0.0,	0.0	!	!END!
7458	!	X =	727.605,	5185.750,	0.0,	0.0	!	!END!

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7459	!	X =	727.655,	5185.750,	0.0,	0.0	!	!END!
7460	!	X =	727.705,	5185.750,	0.0,	0.0	!	!END!
7461	!	X =	727.755,	5185.750,	0.0,	0.0	!	!END!
7462	!	X =	727.805,	5185.750,	0.0,	0.0	!	!END!
7463	!	X =	727.855,	5185.750,	0.0,	0.0	!	!END!
7464	!	X =	727.905,	5185.750,	0.0,	0.0	!	!END!
7465	!	X =	727.955,	5185.750,	0.0,	0.0	!	!END!
7466	!	X =	728.005,	5185.750,	0.0,	0.0	!	!END!
7467	!	X =	728.055,	5185.750,	0.0,	0.0	!	!END!
7468	!	X =	728.105,	5185.750,	0.0,	0.0	!	!END!
7469	!	X =	728.155,	5185.750,	0.0,	0.0	!	!END!
7470	!	X =	728.205,	5185.750,	0.0,	0.0	!	!END!
7471	!	X =	728.255,	5185.750,	0.0,	0.0	!	!END!
7472	!	X =	728.305,	5185.750,	0.0,	0.0	!	!END!
7473	!	X =	727.305,	5185.800,	0.0,	0.0	!	!END!
7474	!	X =	727.355,	5185.800,	0.0,	0.0	!	!END!
7475	!	X =	727.405,	5185.800,	0.0,	0.0	!	!END!
7476	!	X =	727.455,	5185.800,	0.0,	0.0	!	!END!
7477	!	X =	727.505,	5185.800,	0.0,	0.0	!	!END!
7478	!	X =	727.555,	5185.800,	0.0,	0.0	!	!END!
7479	!	X =	727.605,	5185.800,	0.0,	0.0	!	!END!
7480	!	X =	727.655,	5185.800,	0.0,	0.0	!	!END!
7481	!	X =	727.705,	5185.800,	0.0,	0.0	!	!END!
7482	!	X =	727.755,	5185.800,	0.0,	0.0	!	!END!
7483	!	X =	727.805,	5185.800,	0.0,	0.0	!	!END!
7484	!	X =	727.855,	5185.800,	0.0,	0.0	!	!END!
7485	!	X =	727.905,	5185.800,	0.0,	0.0	!	!END!
7486	!	X =	727.955,	5185.800,	0.0,	0.0	!	!END!
7487	!	X =	728.005,	5185.800,	0.0,	0.0	!	!END!
7488	!	X =	728.055,	5185.800,	0.0,	0.0	!	!END!
7489	!	X =	728.105,	5185.800,	0.0,	0.0	!	!END!
7490	!	X =	728.155,	5185.800,	0.0,	0.0	!	!END!
7491	!	X =	728.205,	5185.800,	0.0,	0.0	!	!END!
7492	!	X =	728.255,	5185.800,	0.0,	0.0	!	!END!
7493	!	X =	728.305,	5185.800,	0.0,	0.0	!	!END!
7494	!	X =	727.305,	5185.850,	0.0,	0.0	!	!END!
7495	!	X =	727.355,	5185.850,	0.0,	0.0	!	!END!
7496	!	X =	727.405,	5185.850,	0.0,	0.0	!	!END!
7497	!	X =	727.455,	5185.850,	0.0,	0.0	!	!END!
7498	!	X =	727.505,	5185.850,	0.0,	0.0	!	!END!
7499	!	X =	727.555,	5185.850,	0.0,	0.0	!	!END!
7500	!	X =	727.605,	5185.850,	0.0,	0.0	!	!END!
7501	!	X =	727.655,	5185.850,	0.0,	0.0	!	!END!
7502	!	X =	727.705,	5185.850,	0.0,	0.0	!	!END!
7503	!	X =	727.755,	5185.850,	0.0,	0.0	!	!END!
7504	!	X =	727.805,	5185.850,	0.0,	0.0	!	!END!
7505	!	X =	727.855,	5185.850,	0.0,	0.0	!	!END!
7506	!	X =	727.905,	5185.850,	0.0,	0.0	!	!END!
7507	!	X =	727.955,	5185.850,	0.0,	0.0	!	!END!
7508	!	X =	728.005,	5185.850,	0.0,	0.0	!	!END!
7509	!	X =	728.055,	5185.850,	0.0,	0.0	!	!END!
7510	!	X =	728.105,	5185.850,	0.0,	0.0	!	!END!
7511	!	X =	728.155,	5185.850,	0.0,	0.0	!	!END!
7512	!	X =	728.205,	5185.850,	0.0,	0.0	!	!END!
7513	!	X =	728.255,	5185.850,	0.0,	0.0	!	!END!
7514	!	X =	728.305,	5185.850,	0.0,	0.0	!	!END!
7515	!	X =	727.305,	5185.900,	0.0,	0.0	!	!END!
7516	!	X =	727.355,	5185.900,	0.0,	0.0	!	!END!
7517	!	X =	727.405,	5185.900,	0.0,	0.0	!	!END!
7518	!	X =	727.455,	5185.900,	0.0,	0.0	!	!END!
7519	!	X =	727.505,	5185.900,	0.0,	0.0	!	!END!
7520	!	X =	727.555,	5185.900,	0.0,	0.0	!	!END!
7521	!	X =	727.605,	5185.900,	0.0,	0.0	!	!END!

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7522	!	X =	727.655,	5185.900,	0.0,	0.0	!	!END!
7523	!	X =	727.705,	5185.900,	0.0,	0.0	!	!END!
7524	!	X =	727.755,	5185.900,	0.0,	0.0	!	!END!
7525	!	X =	727.805,	5185.900,	0.0,	0.0	!	!END!
7526	!	X =	727.855,	5185.900,	0.0,	0.0	!	!END!
7527	!	X =	727.905,	5185.900,	0.0,	0.0	!	!END!
7528	!	X =	727.955,	5185.900,	0.0,	0.0	!	!END!
7529	!	X =	728.005,	5185.900,	0.0,	0.0	!	!END!
7530	!	X =	728.055,	5185.900,	0.0,	0.0	!	!END!
7531	!	X =	728.105,	5185.900,	0.0,	0.0	!	!END!
7532	!	X =	728.155,	5185.900,	0.0,	0.0	!	!END!
7533	!	X =	728.205,	5185.900,	0.0,	0.0	!	!END!
7534	!	X =	728.255,	5185.900,	0.0,	0.0	!	!END!
7535	!	X =	728.305,	5185.900,	0.0,	0.0	!	!END!
7536	!	X =	727.305,	5185.950,	0.0,	0.0	!	!END!
7537	!	X =	727.355,	5185.950,	0.0,	0.0	!	!END!
7538	!	X =	727.405,	5185.950,	0.0,	0.0	!	!END!
7539	!	X =	727.455,	5185.950,	0.0,	0.0	!	!END!
7540	!	X =	727.505,	5185.950,	0.0,	0.0	!	!END!
7541	!	X =	727.555,	5185.950,	0.0,	0.0	!	!END!
7542	!	X =	727.605,	5185.950,	0.0,	0.0	!	!END!
7543	!	X =	727.655,	5185.950,	0.0,	0.0	!	!END!
7544	!	X =	727.705,	5185.950,	0.0,	0.0	!	!END!
7545	!	X =	727.755,	5185.950,	0.0,	0.0	!	!END!
7546	!	X =	727.805,	5185.950,	0.0,	0.0	!	!END!
7547	!	X =	727.855,	5185.950,	0.0,	0.0	!	!END!
7548	!	X =	727.905,	5185.950,	0.0,	0.0	!	!END!
7549	!	X =	727.955,	5185.950,	0.0,	0.0	!	!END!
7550	!	X =	728.005,	5185.950,	0.0,	0.0	!	!END!
7551	!	X =	728.055,	5185.950,	0.0,	0.0	!	!END!
7552	!	X =	728.105,	5185.950,	0.0,	0.0	!	!END!
7553	!	X =	728.155,	5185.950,	0.0,	0.0	!	!END!
7554	!	X =	728.205,	5185.950,	0.0,	0.0	!	!END!
7555	!	X =	728.255,	5185.950,	0.0,	0.0	!	!END!
7556	!	X =	728.305,	5185.950,	0.0,	0.0	!	!END!
7557	!	X =	727.305,	5186.000,	0.0,	0.0	!	!END!
7558	!	X =	727.355,	5186.000,	0.0,	0.0	!	!END!
7559	!	X =	727.405,	5186.000,	0.0,	0.0	!	!END!
7560	!	X =	727.455,	5186.000,	0.0,	0.0	!	!END!
7561	!	X =	727.505,	5186.000,	0.0,	0.0	!	!END!
7562	!	X =	727.555,	5186.000,	0.0,	0.0	!	!END!
7563	!	X =	727.605,	5186.000,	0.0,	0.0	!	!END!
7564	!	X =	727.655,	5186.000,	0.0,	0.0	!	!END!
7565	!	X =	727.705,	5186.000,	0.0,	0.0	!	!END!
7566	!	X =	727.755,	5186.000,	0.0,	0.0	!	!END!
7567	!	X =	727.805,	5186.000,	0.0,	0.0	!	!END!
7568	!	X =	727.855,	5186.000,	0.0,	0.0	!	!END!
7569	!	X =	727.905,	5186.000,	0.0,	0.0	!	!END!
7570	!	X =	727.955,	5186.000,	0.0,	0.0	!	!END!
7571	!	X =	728.005,	5186.000,	0.0,	0.0	!	!END!
7572	!	X =	728.055,	5186.000,	0.0,	0.0	!	!END!
7573	!	X =	728.105,	5186.000,	0.0,	0.0	!	!END!
7574	!	X =	728.155,	5186.000,	0.0,	0.0	!	!END!
7575	!	X =	728.205,	5186.000,	0.0,	0.0	!	!END!
7576	!	X =	728.255,	5186.000,	0.0,	0.0	!	!END!
7577	!	X =	728.305,	5186.000,	0.0,	0.0	!	!END!
7578	!	X =	727.305,	5186.050,	0.0,	0.0	!	!END!
7579	!	X =	727.355,	5186.050,	0.0,	0.0	!	!END!
7580	!	X =	727.405,	5186.050,	0.0,	0.0	!	!END!
7581	!	X =	727.455,	5186.050,	0.0,	0.0	!	!END!
7582	!	X =	727.505,	5186.050,	0.0,	0.0	!	!END!
7583	!	X =	727.555,	5186.050,	0.0,	0.0	!	!END!
7584	!	X =	727.605,	5186.050,	0.0,	0.0	!	!END!

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7585	!	X =	727.655,	5186.050,	0.0,	0.0	!	!END!
7586	!	X =	727.705,	5186.050,	0.0,	0.0	!	!END!
7587	!	X =	727.755,	5186.050,	0.0,	0.0	!	!END!
7588	!	X =	727.805,	5186.050,	0.0,	0.0	!	!END!
7589	!	X =	727.855,	5186.050,	0.0,	0.0	!	!END!
7590	!	X =	727.905,	5186.050,	0.0,	0.0	!	!END!
7591	!	X =	727.955,	5186.050,	0.0,	0.0	!	!END!
7592	!	X =	728.005,	5186.050,	0.0,	0.0	!	!END!
7593	!	X =	728.055,	5186.050,	0.0,	0.0	!	!END!
7594	!	X =	728.105,	5186.050,	0.0,	0.0	!	!END!
7595	!	X =	728.155,	5186.050,	0.0,	0.0	!	!END!
7596	!	X =	728.205,	5186.050,	0.0,	0.0	!	!END!
7597	!	X =	728.255,	5186.050,	0.0,	0.0	!	!END!
7598	!	X =	728.305,	5186.050,	0.0,	0.0	!	!END!
7599	!	X =	727.305,	5186.100,	0.0,	0.0	!	!END!
7600	!	X =	727.355,	5186.100,	0.0,	0.0	!	!END!
7601	!	X =	727.405,	5186.100,	0.0,	0.0	!	!END!
7602	!	X =	727.455,	5186.100,	0.0,	0.0	!	!END!
7603	!	X =	727.505,	5186.100,	0.0,	0.0	!	!END!
7604	!	X =	727.555,	5186.100,	0.0,	0.0	!	!END!
7605	!	X =	727.605,	5186.100,	0.0,	0.0	!	!END!
7606	!	X =	727.655,	5186.100,	0.0,	0.0	!	!END!
7607	!	X =	727.705,	5186.100,	0.0,	0.0	!	!END!
7608	!	X =	727.755,	5186.100,	0.0,	0.0	!	!END!
7609	!	X =	727.855,	5186.100,	0.0,	0.0	!	!END!
7610	!	X =	727.905,	5186.100,	0.0,	0.0	!	!END!
7611	!	X =	727.955,	5186.100,	0.0,	0.0	!	!END!
7612	!	X =	728.005,	5186.100,	0.0,	0.0	!	!END!
7613	!	X =	728.055,	5186.100,	0.0,	0.0	!	!END!
7614	!	X =	728.105,	5186.100,	0.0,	0.0	!	!END!
7615	!	X =	728.155,	5186.100,	0.0,	0.0	!	!END!
7616	!	X =	728.205,	5186.100,	0.0,	0.0	!	!END!
7617	!	X =	728.255,	5186.100,	0.0,	0.0	!	!END!
7618	!	X =	728.305,	5186.100,	0.0,	0.0	!	!END!
7619	!	X =	727.305,	5186.150,	0.0,	0.0	!	!END!
7620	!	X =	727.355,	5186.150,	0.0,	0.0	!	!END!
7621	!	X =	727.405,	5186.150,	0.0,	0.0	!	!END!
7622	!	X =	727.455,	5186.150,	0.0,	0.0	!	!END!
7623	!	X =	727.505,	5186.150,	0.0,	0.0	!	!END!
7624	!	X =	727.555,	5186.150,	0.0,	0.0	!	!END!
7625	!	X =	727.605,	5186.150,	0.0,	0.0	!	!END!
7626	!	X =	727.655,	5186.150,	0.0,	0.0	!	!END!
7627	!	X =	727.705,	5186.150,	0.0,	0.0	!	!END!
7628	!	X =	727.755,	5186.150,	0.0,	0.0	!	!END!
7629	!	X =	727.805,	5186.150,	0.0,	0.0	!	!END!
7630	!	X =	727.855,	5186.150,	0.0,	0.0	!	!END!
7631	!	X =	727.905,	5186.150,	0.0,	0.0	!	!END!
7632	!	X =	727.955,	5186.150,	0.0,	0.0	!	!END!
7633	!	X =	728.005,	5186.150,	0.0,	0.0	!	!END!
7634	!	X =	728.055,	5186.150,	0.0,	0.0	!	!END!
7635	!	X =	728.105,	5186.150,	0.0,	0.0	!	!END!
7636	!	X =	728.155,	5186.150,	0.0,	0.0	!	!END!
7637	!	X =	728.205,	5186.150,	0.0,	0.0	!	!END!
7638	!	X =	728.255,	5186.150,	0.0,	0.0	!	!END!
7639	!	X =	728.305,	5186.150,	0.0,	0.0	!	!END!
7640	!	X =	727.305,	5186.200,	0.0,	0.0	!	!END!
7641	!	X =	727.355,	5186.200,	0.0,	0.0	!	!END!
7642	!	X =	727.405,	5186.200,	0.0,	0.0	!	!END!
7643	!	X =	727.455,	5186.200,	0.0,	0.0	!	!END!
7644	!	X =	727.505,	5186.200,	0.0,	0.0	!	!END!
7645	!	X =	727.555,	5186.200,	0.0,	0.0	!	!END!
7646	!	X =	727.605,	5186.200,	0.0,	0.0	!	!END!
7647	!	X =	727.655,	5186.200,	0.0,	0.0	!	!END!

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7648	!	X =	727.705,	5186.200,	0.0,	0.0	!	!END!
7649	!	X =	727.755,	5186.200,	0.0,	0.0	!	!END!
7650	!	X =	727.805,	5186.200,	0.0,	0.0	!	!END!
7651	!	X =	727.855,	5186.200,	0.0,	0.0	!	!END!
7652	!	X =	727.905,	5186.200,	0.0,	0.0	!	!END!
7653	!	X =	727.955,	5186.200,	0.0,	0.0	!	!END!
7654	!	X =	728.005,	5186.200,	0.0,	0.0	!	!END!
7655	!	X =	728.055,	5186.200,	0.0,	0.0	!	!END!
7656	!	X =	728.105,	5186.200,	0.0,	0.0	!	!END!
7657	!	X =	728.155,	5186.200,	0.0,	0.0	!	!END!
7658	!	X =	728.205,	5186.200,	0.0,	0.0	!	!END!
7659	!	X =	728.255,	5186.200,	0.0,	0.0	!	!END!
7660	!	X =	728.305,	5186.200,	0.0,	0.0	!	!END!
7661	!	X =	727.305,	5186.250,	0.0,	0.0	!	!END!
7662	!	X =	727.355,	5186.250,	0.0,	0.0	!	!END!
7663	!	X =	727.405,	5186.250,	0.0,	0.0	!	!END!
7664	!	X =	727.455,	5186.250,	0.0,	0.0	!	!END!
7665	!	X =	727.505,	5186.250,	0.0,	0.0	!	!END!
7666	!	X =	727.555,	5186.250,	0.0,	0.0	!	!END!
7667	!	X =	727.605,	5186.250,	0.0,	0.0	!	!END!
7668	!	X =	727.655,	5186.250,	0.0,	0.0	!	!END!
7669	!	X =	727.705,	5186.250,	0.0,	0.0	!	!END!
7670	!	X =	727.755,	5186.250,	0.0,	0.0	!	!END!
7671	!	X =	727.805,	5186.250,	0.0,	0.0	!	!END!
7672	!	X =	727.855,	5186.250,	0.0,	0.0	!	!END!
7673	!	X =	727.905,	5186.250,	0.0,	0.0	!	!END!
7674	!	X =	727.955,	5186.250,	0.0,	0.0	!	!END!
7675	!	X =	728.005,	5186.250,	0.0,	0.0	!	!END!
7676	!	X =	728.055,	5186.250,	0.0,	0.0	!	!END!
7677	!	X =	728.105,	5186.250,	0.0,	0.0	!	!END!
7678	!	X =	728.155,	5186.250,	0.0,	0.0	!	!END!
7679	!	X =	728.205,	5186.250,	0.0,	0.0	!	!END!
7680	!	X =	728.255,	5186.250,	0.0,	0.0	!	!END!
7681	!	X =	728.305,	5186.250,	0.0,	0.0	!	!END!
7682	!	X =	727.305,	5186.300,	0.0,	0.0	!	!END!
7683	!	X =	727.355,	5186.300,	0.0,	0.0	!	!END!
7684	!	X =	727.405,	5186.300,	0.0,	0.0	!	!END!
7685	!	X =	727.455,	5186.300,	0.0,	0.0	!	!END!
7686	!	X =	727.505,	5186.300,	0.0,	0.0	!	!END!
7687	!	X =	727.555,	5186.300,	0.0,	0.0	!	!END!
7688	!	X =	727.605,	5186.300,	0.0,	0.0	!	!END!
7689	!	X =	727.655,	5186.300,	0.0,	0.0	!	!END!
7690	!	X =	727.705,	5186.300,	0.0,	0.0	!	!END!
7691	!	X =	727.755,	5186.300,	0.0,	0.0	!	!END!
7692	!	X =	727.805,	5186.300,	0.0,	0.0	!	!END!
7693	!	X =	727.855,	5186.300,	0.0,	0.0	!	!END!
7694	!	X =	727.905,	5186.300,	0.0,	0.0	!	!END!
7695	!	X =	727.955,	5186.300,	0.0,	0.0	!	!END!
7696	!	X =	728.005,	5186.300,	0.0,	0.0	!	!END!
7697	!	X =	728.055,	5186.300,	0.0,	0.0	!	!END!
7698	!	X =	728.105,	5186.300,	0.0,	0.0	!	!END!
7699	!	X =	728.155,	5186.300,	0.0,	0.0	!	!END!
7700	!	X =	728.205,	5186.300,	0.0,	0.0	!	!END!
7701	!	X =	728.255,	5186.300,	0.0,	0.0	!	!END!
7702	!	X =	728.305,	5186.300,	0.0,	0.0	!	!END!
7703	!	X =	727.305,	5186.350,	0.0,	0.0	!	!END!
7704	!	X =	727.355,	5186.350,	0.0,	0.0	!	!END!
7705	!	X =	727.405,	5186.350,	0.0,	0.0	!	!END!
7706	!	X =	727.455,	5186.350,	0.0,	0.0	!	!END!
7707	!	X =	727.505,	5186.350,	0.0,	0.0	!	!END!
7708	!	X =	727.555,	5186.350,	0.0,	0.0	!	!END!
7709	!	X =	727.605,	5186.350,	0.0,	0.0	!	!END!
7710	!	X =	727.655,	5186.350,	0.0,	0.0	!	!END!

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7711	!	X =	727.705,	5186.350,	0.0,	0.0	!	!END!
7712	!	X =	727.755,	5186.350,	0.0,	0.0	!	!END!
7713	!	X =	727.805,	5186.350,	0.0,	0.0	!	!END!
7714	!	X =	727.855,	5186.350,	0.0,	0.0	!	!END!
7715	!	X =	727.905,	5186.350,	0.0,	0.0	!	!END!
7716	!	X =	727.955,	5186.350,	0.0,	0.0	!	!END!
7717	!	X =	728.005,	5186.350,	0.0,	0.0	!	!END!
7718	!	X =	693.442,	5158.075,	0.0,	0.0	!	!END!
7719	!	X =	693.492,	5158.075,	0.0,	0.0	!	!END!
7720	!	X =	692.967,	5149.661,	0.0,	0.0	!	!END!
7721	!	X =	693.017,	5149.661,	0.0,	0.0	!	!END!
7722	!	X =	693.067,	5149.661,	0.0,	0.0	!	!END!
7723	!	X =	693.117,	5149.661,	0.0,	0.0	!	!END!
7724	!	X =	693.167,	5149.661,	0.0,	0.0	!	!END!
7725	!	X =	693.217,	5149.661,	0.0,	0.0	!	!END!
7726	!	X =	693.267,	5149.661,	0.0,	0.0	!	!END!
7727	!	X =	693.317,	5149.661,	0.0,	0.0	!	!END!
7728	!	X =	693.367,	5149.661,	0.0,	0.0	!	!END!
7729	!	X =	693.417,	5149.661,	0.0,	0.0	!	!END!
7730	!	X =	693.467,	5149.661,	0.0,	0.0	!	!END!
7731	!	X =	693.517,	5149.661,	0.0,	0.0	!	!END!
7732	!	X =	693.567,	5149.661,	0.0,	0.0	!	!END!
7733	!	X =	693.617,	5149.661,	0.0,	0.0	!	!END!
7734	!	X =	693.667,	5149.661,	0.0,	0.0	!	!END!
7735	!	X =	693.717,	5149.661,	0.0,	0.0	!	!END!
7736	!	X =	693.767,	5149.661,	0.0,	0.0	!	!END!
7737	!	X =	693.817,	5149.661,	0.0,	0.0	!	!END!
7738	!	X =	693.867,	5149.661,	0.0,	0.0	!	!END!
7739	!	X =	693.917,	5149.661,	0.0,	0.0	!	!END!
7740	!	X =	693.967,	5149.661,	0.0,	0.0	!	!END!
7741	!	X =	692.967,	5149.711,	0.0,	0.0	!	!END!
7742	!	X =	693.017,	5149.711,	0.0,	0.0	!	!END!
7743	!	X =	693.067,	5149.711,	0.0,	0.0	!	!END!
7744	!	X =	693.117,	5149.711,	0.0,	0.0	!	!END!
7745	!	X =	693.167,	5149.711,	0.0,	0.0	!	!END!
7746	!	X =	693.217,	5149.711,	0.0,	0.0	!	!END!
7747	!	X =	693.267,	5149.711,	0.0,	0.0	!	!END!
7748	!	X =	693.317,	5149.711,	0.0,	0.0	!	!END!
7749	!	X =	693.367,	5149.711,	0.0,	0.0	!	!END!
7750	!	X =	693.417,	5149.711,	0.0,	0.0	!	!END!
7751	!	X =	693.467,	5149.711,	0.0,	0.0	!	!END!
7752	!	X =	693.517,	5149.711,	0.0,	0.0	!	!END!
7753	!	X =	693.567,	5149.711,	0.0,	0.0	!	!END!
7754	!	X =	693.617,	5149.711,	0.0,	0.0	!	!END!
7755	!	X =	693.667,	5149.711,	0.0,	0.0	!	!END!
7756	!	X =	693.717,	5149.711,	0.0,	0.0	!	!END!
7757	!	X =	693.767,	5149.711,	0.0,	0.0	!	!END!
7758	!	X =	693.817,	5149.711,	0.0,	0.0	!	!END!
7759	!	X =	693.867,	5149.711,	0.0,	0.0	!	!END!
7760	!	X =	693.917,	5149.711,	0.0,	0.0	!	!END!
7761	!	X =	693.967,	5149.711,	0.0,	0.0	!	!END!
7762	!	X =	692.967,	5149.761,	0.0,	0.0	!	!END!
7763	!	X =	693.017,	5149.761,	0.0,	0.0	!	!END!
7764	!	X =	693.067,	5149.761,	0.0,	0.0	!	!END!
7765	!	X =	693.117,	5149.761,	0.0,	0.0	!	!END!
7766	!	X =	693.167,	5149.761,	0.0,	0.0	!	!END!
7767	!	X =	693.217,	5149.761,	0.0,	0.0	!	!END!
7768	!	X =	693.267,	5149.761,	0.0,	0.0	!	!END!
7769	!	X =	693.317,	5149.761,	0.0,	0.0	!	!END!
7770	!	X =	693.367,	5149.761,	0.0,	0.0	!	!END!
7771	!	X =	693.417,	5149.761,	0.0,	0.0	!	!END!
7772	!	X =	693.467,	5149.761,	0.0,	0.0	!	!END!
7773	!	X =	693.517,	5149.761,	0.0,	0.0	!	!END!

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7774	!	X =	693.567,	5149.761,	0.0,	0.0	!	!END!
7775	!	X =	693.617,	5149.761,	0.0,	0.0	!	!END!
7776	!	X =	693.667,	5149.761,	0.0,	0.0	!	!END!
7777	!	X =	693.717,	5149.761,	0.0,	0.0	!	!END!
7778	!	X =	693.767,	5149.761,	0.0,	0.0	!	!END!
7779	!	X =	693.817,	5149.761,	0.0,	0.0	!	!END!
7780	!	X =	693.867,	5149.761,	0.0,	0.0	!	!END!
7781	!	X =	693.917,	5149.761,	0.0,	0.0	!	!END!
7782	!	X =	693.967,	5149.761,	0.0,	0.0	!	!END!
7783	!	X =	692.967,	5149.811,	0.0,	0.0	!	!END!
7784	!	X =	693.017,	5149.811,	0.0,	0.0	!	!END!
7785	!	X =	693.067,	5149.811,	0.0,	0.0	!	!END!
7786	!	X =	693.117,	5149.811,	0.0,	0.0	!	!END!
7787	!	X =	693.167,	5149.811,	0.0,	0.0	!	!END!
7788	!	X =	693.217,	5149.811,	0.0,	0.0	!	!END!
7789	!	X =	693.267,	5149.811,	0.0,	0.0	!	!END!
7790	!	X =	693.317,	5149.811,	0.0,	0.0	!	!END!
7791	!	X =	693.367,	5149.811,	0.0,	0.0	!	!END!
7792	!	X =	693.417,	5149.811,	0.0,	0.0	!	!END!
7793	!	X =	693.467,	5149.811,	0.0,	0.0	!	!END!
7794	!	X =	693.517,	5149.811,	0.0,	0.0	!	!END!
7795	!	X =	693.567,	5149.811,	0.0,	0.0	!	!END!
7796	!	X =	693.617,	5149.811,	0.0,	0.0	!	!END!
7797	!	X =	693.667,	5149.811,	0.0,	0.0	!	!END!
7798	!	X =	693.717,	5149.811,	0.0,	0.0	!	!END!
7799	!	X =	693.767,	5149.811,	0.0,	0.0	!	!END!
7800	!	X =	693.817,	5149.811,	0.0,	0.0	!	!END!
7801	!	X =	693.867,	5149.811,	0.0,	0.0	!	!END!
7802	!	X =	693.917,	5149.811,	0.0,	0.0	!	!END!
7803	!	X =	693.967,	5149.811,	0.0,	0.0	!	!END!
7804	!	X =	692.967,	5149.861,	0.0,	0.0	!	!END!
7805	!	X =	693.017,	5149.861,	0.0,	0.0	!	!END!
7806	!	X =	693.067,	5149.861,	0.0,	0.0	!	!END!
7807	!	X =	693.117,	5149.861,	0.0,	0.0	!	!END!
7808	!	X =	693.167,	5149.861,	0.0,	0.0	!	!END!
7809	!	X =	693.217,	5149.861,	0.0,	0.0	!	!END!
7810	!	X =	693.267,	5149.861,	0.0,	0.0	!	!END!
7811	!	X =	693.317,	5149.861,	0.0,	0.0	!	!END!
7812	!	X =	693.367,	5149.861,	0.0,	0.0	!	!END!
7813	!	X =	693.417,	5149.861,	0.0,	0.0	!	!END!
7814	!	X =	693.467,	5149.861,	0.0,	0.0	!	!END!
7815	!	X =	693.517,	5149.861,	0.0,	0.0	!	!END!
7816	!	X =	693.567,	5149.861,	0.0,	0.0	!	!END!
7817	!	X =	693.617,	5149.861,	0.0,	0.0	!	!END!
7818	!	X =	693.667,	5149.861,	0.0,	0.0	!	!END!
7819	!	X =	693.717,	5149.861,	0.0,	0.0	!	!END!
7820	!	X =	693.767,	5149.861,	0.0,	0.0	!	!END!
7821	!	X =	693.817,	5149.861,	0.0,	0.0	!	!END!
7822	!	X =	693.867,	5149.861,	0.0,	0.0	!	!END!
7823	!	X =	693.917,	5149.861,	0.0,	0.0	!	!END!
7824	!	X =	693.967,	5149.861,	0.0,	0.0	!	!END!
7825	!	X =	692.967,	5149.911,	0.0,	0.0	!	!END!
7826	!	X =	693.017,	5149.911,	0.0,	0.0	!	!END!
7827	!	X =	693.067,	5149.911,	0.0,	0.0	!	!END!
7828	!	X =	693.117,	5149.911,	0.0,	0.0	!	!END!
7829	!	X =	693.167,	5149.911,	0.0,	0.0	!	!END!
7830	!	X =	693.217,	5149.911,	0.0,	0.0	!	!END!
7831	!	X =	693.267,	5149.911,	0.0,	0.0	!	!END!
7832	!	X =	693.317,	5149.911,	0.0,	0.0	!	!END!
7833	!	X =	693.367,	5149.911,	0.0,	0.0	!	!END!
7834	!	X =	693.417,	5149.911,	0.0,	0.0	!	!END!
7835	!	X =	693.467,	5149.911,	0.0,	0.0	!	!END!
7836	!	X =	693.517,	5149.911,	0.0,	0.0	!	!END!

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7837	!	X =	693.567,	5149.911,	0.0,	0.0	!	!END!
7838	!	X =	693.617,	5149.911,	0.0,	0.0	!	!END!
7839	!	X =	693.667,	5149.911,	0.0,	0.0	!	!END!
7840	!	X =	693.717,	5149.911,	0.0,	0.0	!	!END!
7841	!	X =	693.767,	5149.911,	0.0,	0.0	!	!END!
7842	!	X =	693.817,	5149.911,	0.0,	0.0	!	!END!
7843	!	X =	693.867,	5149.911,	0.0,	0.0	!	!END!
7844	!	X =	693.917,	5149.911,	0.0,	0.0	!	!END!
7845	!	X =	693.967,	5149.911,	0.0,	0.0	!	!END!
7846	!	X =	692.967,	5149.961,	0.0,	0.0	!	!END!
7847	!	X =	693.017,	5149.961,	0.0,	0.0	!	!END!
7848	!	X =	693.067,	5149.961,	0.0,	0.0	!	!END!
7849	!	X =	693.117,	5149.961,	0.0,	0.0	!	!END!
7850	!	X =	693.167,	5149.961,	0.0,	0.0	!	!END!
7851	!	X =	693.217,	5149.961,	0.0,	0.0	!	!END!
7852	!	X =	693.267,	5149.961,	0.0,	0.0	!	!END!
7853	!	X =	693.317,	5149.961,	0.0,	0.0	!	!END!
7854	!	X =	693.367,	5149.961,	0.0,	0.0	!	!END!
7855	!	X =	693.417,	5149.961,	0.0,	0.0	!	!END!
7856	!	X =	693.467,	5149.961,	0.0,	0.0	!	!END!
7857	!	X =	693.517,	5149.961,	0.0,	0.0	!	!END!
7858	!	X =	693.567,	5149.961,	0.0,	0.0	!	!END!
7859	!	X =	693.617,	5149.961,	0.0,	0.0	!	!END!
7860	!	X =	693.667,	5149.961,	0.0,	0.0	!	!END!
7861	!	X =	693.717,	5149.961,	0.0,	0.0	!	!END!
7862	!	X =	693.767,	5149.961,	0.0,	0.0	!	!END!
7863	!	X =	693.817,	5149.961,	0.0,	0.0	!	!END!
7864	!	X =	693.867,	5149.961,	0.0,	0.0	!	!END!
7865	!	X =	693.917,	5149.961,	0.0,	0.0	!	!END!
7866	!	X =	693.967,	5149.961,	0.0,	0.0	!	!END!
7867	!	X =	692.967,	5150.011,	0.0,	0.0	!	!END!
7868	!	X =	693.017,	5150.011,	0.0,	0.0	!	!END!
7869	!	X =	693.067,	5150.011,	0.0,	0.0	!	!END!
7870	!	X =	693.117,	5150.011,	0.0,	0.0	!	!END!
7871	!	X =	693.167,	5150.011,	0.0,	0.0	!	!END!
7872	!	X =	693.217,	5150.011,	0.0,	0.0	!	!END!
7873	!	X =	693.267,	5150.011,	0.0,	0.0	!	!END!
7874	!	X =	693.317,	5150.011,	0.0,	0.0	!	!END!
7875	!	X =	693.367,	5150.011,	0.0,	0.0	!	!END!
7876	!	X =	693.417,	5150.011,	0.0,	0.0	!	!END!
7877	!	X =	693.467,	5150.011,	0.0,	0.0	!	!END!
7878	!	X =	693.517,	5150.011,	0.0,	0.0	!	!END!
7879	!	X =	693.567,	5150.011,	0.0,	0.0	!	!END!
7880	!	X =	693.617,	5150.011,	0.0,	0.0	!	!END!
7881	!	X =	693.667,	5150.011,	0.0,	0.0	!	!END!
7882	!	X =	693.717,	5150.011,	0.0,	0.0	!	!END!
7883	!	X =	693.767,	5150.011,	0.0,	0.0	!	!END!
7884	!	X =	693.817,	5150.011,	0.0,	0.0	!	!END!
7885	!	X =	693.867,	5150.011,	0.0,	0.0	!	!END!
7886	!	X =	693.917,	5150.011,	0.0,	0.0	!	!END!
7887	!	X =	693.967,	5150.011,	0.0,	0.0	!	!END!
7888	!	X =	692.967,	5150.061,	0.0,	0.0	!	!END!
7889	!	X =	693.017,	5150.061,	0.0,	0.0	!	!END!
7890	!	X =	693.067,	5150.061,	0.0,	0.0	!	!END!
7891	!	X =	693.117,	5150.061,	0.0,	0.0	!	!END!
7892	!	X =	693.167,	5150.061,	0.0,	0.0	!	!END!
7893	!	X =	693.217,	5150.061,	0.0,	0.0	!	!END!
7894	!	X =	693.267,	5150.061,	0.0,	0.0	!	!END!
7895	!	X =	693.317,	5150.061,	0.0,	0.0	!	!END!
7896	!	X =	693.367,	5150.061,	0.0,	0.0	!	!END!
7897	!	X =	693.417,	5150.061,	0.0,	0.0	!	!END!
7898	!	X =	693.467,	5150.061,	0.0,	0.0	!	!END!
7899	!	X =	693.517,	5150.061,	0.0,	0.0	!	!END!

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7900	!	X =	693.567,	5150.061,	0.0,	0.0	!	!END!
7901	!	X =	693.617,	5150.061,	0.0,	0.0	!	!END!
7902	!	X =	693.667,	5150.061,	0.0,	0.0	!	!END!
7903	!	X =	693.717,	5150.061,	0.0,	0.0	!	!END!
7904	!	X =	693.767,	5150.061,	0.0,	0.0	!	!END!
7905	!	X =	693.817,	5150.061,	0.0,	0.0	!	!END!
7906	!	X =	693.867,	5150.061,	0.0,	0.0	!	!END!
7907	!	X =	693.917,	5150.061,	0.0,	0.0	!	!END!
7908	!	X =	693.967,	5150.061,	0.0,	0.0	!	!END!
7909	!	X =	692.967,	5150.111,	0.0,	0.0	!	!END!
7910	!	X =	693.017,	5150.111,	0.0,	0.0	!	!END!
7911	!	X =	693.067,	5150.111,	0.0,	0.0	!	!END!
7912	!	X =	693.117,	5150.111,	0.0,	0.0	!	!END!
7913	!	X =	693.167,	5150.111,	0.0,	0.0	!	!END!
7914	!	X =	693.217,	5150.111,	0.0,	0.0	!	!END!
7915	!	X =	693.267,	5150.111,	0.0,	0.0	!	!END!
7916	!	X =	693.317,	5150.111,	0.0,	0.0	!	!END!
7917	!	X =	693.367,	5150.111,	0.0,	0.0	!	!END!
7918	!	X =	693.417,	5150.111,	0.0,	0.0	!	!END!
7919	!	X =	693.467,	5150.111,	0.0,	0.0	!	!END!
7920	!	X =	693.517,	5150.111,	0.0,	0.0	!	!END!
7921	!	X =	693.567,	5150.111,	0.0,	0.0	!	!END!
7922	!	X =	693.617,	5150.111,	0.0,	0.0	!	!END!
7923	!	X =	693.667,	5150.111,	0.0,	0.0	!	!END!
7924	!	X =	693.717,	5150.111,	0.0,	0.0	!	!END!
7925	!	X =	693.767,	5150.111,	0.0,	0.0	!	!END!
7926	!	X =	693.817,	5150.111,	0.0,	0.0	!	!END!
7927	!	X =	693.867,	5150.111,	0.0,	0.0	!	!END!
7928	!	X =	693.917,	5150.111,	0.0,	0.0	!	!END!
7929	!	X =	693.967,	5150.111,	0.0,	0.0	!	!END!
7930	!	X =	692.967,	5150.161,	0.0,	0.0	!	!END!
7931	!	X =	693.017,	5150.161,	0.0,	0.0	!	!END!
7932	!	X =	693.067,	5150.161,	0.0,	0.0	!	!END!
7933	!	X =	693.117,	5150.161,	0.0,	0.0	!	!END!
7934	!	X =	693.167,	5150.161,	0.0,	0.0	!	!END!
7935	!	X =	693.217,	5150.161,	0.0,	0.0	!	!END!
7936	!	X =	693.267,	5150.161,	0.0,	0.0	!	!END!
7937	!	X =	693.317,	5150.161,	0.0,	0.0	!	!END!
7938	!	X =	693.367,	5150.161,	0.0,	0.0	!	!END!
7939	!	X =	693.417,	5150.161,	0.0,	0.0	!	!END!
7940	!	X =	693.517,	5150.161,	0.0,	0.0	!	!END!
7941	!	X =	693.567,	5150.161,	0.0,	0.0	!	!END!
7942	!	X =	693.617,	5150.161,	0.0,	0.0	!	!END!
7943	!	X =	693.667,	5150.161,	0.0,	0.0	!	!END!
7944	!	X =	693.717,	5150.161,	0.0,	0.0	!	!END!
7945	!	X =	693.767,	5150.161,	0.0,	0.0	!	!END!
7946	!	X =	693.817,	5150.161,	0.0,	0.0	!	!END!
7947	!	X =	693.867,	5150.161,	0.0,	0.0	!	!END!
7948	!	X =	693.917,	5150.161,	0.0,	0.0	!	!END!
7949	!	X =	693.967,	5150.161,	0.0,	0.0	!	!END!
7950	!	X =	692.967,	5150.211,	0.0,	0.0	!	!END!
7951	!	X =	693.017,	5150.211,	0.0,	0.0	!	!END!
7952	!	X =	693.067,	5150.211,	0.0,	0.0	!	!END!
7953	!	X =	693.117,	5150.211,	0.0,	0.0	!	!END!
7954	!	X =	693.167,	5150.211,	0.0,	0.0	!	!END!
7955	!	X =	693.217,	5150.211,	0.0,	0.0	!	!END!
7956	!	X =	693.267,	5150.211,	0.0,	0.0	!	!END!
7957	!	X =	693.317,	5150.211,	0.0,	0.0	!	!END!
7958	!	X =	693.367,	5150.211,	0.0,	0.0	!	!END!
7959	!	X =	693.417,	5150.211,	0.0,	0.0	!	!END!
7960	!	X =	693.467,	5150.211,	0.0,	0.0	!	!END!
7961	!	X =	693.517,	5150.211,	0.0,	0.0	!	!END!
7962	!	X =	693.567,	5150.211,	0.0,	0.0	!	!END!

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7963	!	X =	693.617,	5150.211,	0.0,	0.0	!	!END!
7964	!	X =	693.667,	5150.211,	0.0,	0.0	!	!END!
7965	!	X =	693.717,	5150.211,	0.0,	0.0	!	!END!
7966	!	X =	693.767,	5150.211,	0.0,	0.0	!	!END!
7967	!	X =	693.817,	5150.211,	0.0,	0.0	!	!END!
7968	!	X =	693.867,	5150.211,	0.0,	0.0	!	!END!
7969	!	X =	693.917,	5150.211,	0.0,	0.0	!	!END!
7970	!	X =	693.967,	5150.211,	0.0,	0.0	!	!END!
7971	!	X =	692.967,	5150.261,	0.0,	0.0	!	!END!
7972	!	X =	693.017,	5150.261,	0.0,	0.0	!	!END!
7973	!	X =	693.067,	5150.261,	0.0,	0.0	!	!END!
7974	!	X =	693.117,	5150.261,	0.0,	0.0	!	!END!
7975	!	X =	693.167,	5150.261,	0.0,	0.0	!	!END!
7976	!	X =	693.217,	5150.261,	0.0,	0.0	!	!END!
7977	!	X =	693.267,	5150.261,	0.0,	0.0	!	!END!
7978	!	X =	693.317,	5150.261,	0.0,	0.0	!	!END!
7979	!	X =	693.367,	5150.261,	0.0,	0.0	!	!END!
7980	!	X =	693.417,	5150.261,	0.0,	0.0	!	!END!
7981	!	X =	693.467,	5150.261,	0.0,	0.0	!	!END!
7982	!	X =	693.517,	5150.261,	0.0,	0.0	!	!END!
7983	!	X =	693.567,	5150.261,	0.0,	0.0	!	!END!
7984	!	X =	693.617,	5150.261,	0.0,	0.0	!	!END!
7985	!	X =	693.667,	5150.261,	0.0,	0.0	!	!END!
7986	!	X =	693.717,	5150.261,	0.0,	0.0	!	!END!
7987	!	X =	693.767,	5150.261,	0.0,	0.0	!	!END!
7988	!	X =	693.817,	5150.261,	0.0,	0.0	!	!END!
7989	!	X =	693.867,	5150.261,	0.0,	0.0	!	!END!
7990	!	X =	693.917,	5150.261,	0.0,	0.0	!	!END!
7991	!	X =	693.967,	5150.261,	0.0,	0.0	!	!END!
7992	!	X =	692.967,	5150.311,	0.0,	0.0	!	!END!
7993	!	X =	693.017,	5150.311,	0.0,	0.0	!	!END!
7994	!	X =	693.067,	5150.311,	0.0,	0.0	!	!END!
7995	!	X =	693.117,	5150.311,	0.0,	0.0	!	!END!
7996	!	X =	693.167,	5150.311,	0.0,	0.0	!	!END!
7997	!	X =	693.217,	5150.311,	0.0,	0.0	!	!END!
7998	!	X =	693.267,	5150.311,	0.0,	0.0	!	!END!
7999	!	X =	693.317,	5150.311,	0.0,	0.0	!	!END!
8000	!	X =	693.367,	5150.311,	0.0,	0.0	!	!END!
8001	!	X =	693.417,	5150.311,	0.0,	0.0	!	!END!
8002	!	X =	693.467,	5150.311,	0.0,	0.0	!	!END!
8003	!	X =	693.517,	5150.311,	0.0,	0.0	!	!END!
8004	!	X =	693.567,	5150.311,	0.0,	0.0	!	!END!
8005	!	X =	693.617,	5150.311,	0.0,	0.0	!	!END!
8006	!	X =	693.667,	5150.311,	0.0,	0.0	!	!END!
8007	!	X =	693.717,	5150.311,	0.0,	0.0	!	!END!
8008	!	X =	693.767,	5150.311,	0.0,	0.0	!	!END!
8009	!	X =	693.817,	5150.311,	0.0,	0.0	!	!END!
8010	!	X =	693.867,	5150.311,	0.0,	0.0	!	!END!
8011	!	X =	693.917,	5150.311,	0.0,	0.0	!	!END!
8012	!	X =	693.967,	5150.311,	0.0,	0.0	!	!END!
8013	!	X =	692.967,	5150.361,	0.0,	0.0	!	!END!
8014	!	X =	693.017,	5150.361,	0.0,	0.0	!	!END!
8015	!	X =	693.067,	5150.361,	0.0,	0.0	!	!END!
8016	!	X =	693.117,	5150.361,	0.0,	0.0	!	!END!
8017	!	X =	693.167,	5150.361,	0.0,	0.0	!	!END!
8018	!	X =	693.217,	5150.361,	0.0,	0.0	!	!END!
8019	!	X =	693.267,	5150.361,	0.0,	0.0	!	!END!
8020	!	X =	693.317,	5150.361,	0.0,	0.0	!	!END!
8021	!	X =	693.367,	5150.361,	0.0,	0.0	!	!END!
8022	!	X =	693.417,	5150.361,	0.0,	0.0	!	!END!
8023	!	X =	693.467,	5150.361,	0.0,	0.0	!	!END!
8024	!	X =	693.517,	5150.361,	0.0,	0.0	!	!END!
8025	!	X =	693.567,	5150.361,	0.0,	0.0	!	!END!

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8026	!	X =	693.617,	5150.361,	0.0,	0.0	!	!END!
8027	!	X =	693.667,	5150.361,	0.0,	0.0	!	!END!
8028	!	X =	693.717,	5150.361,	0.0,	0.0	!	!END!
8029	!	X =	693.767,	5150.361,	0.0,	0.0	!	!END!
8030	!	X =	693.817,	5150.361,	0.0,	0.0	!	!END!
8031	!	X =	693.867,	5150.361,	0.0,	0.0	!	!END!
8032	!	X =	693.917,	5150.361,	0.0,	0.0	!	!END!
8033	!	X =	693.967,	5150.361,	0.0,	0.0	!	!END!
8034	!	X =	692.967,	5150.411,	0.0,	0.0	!	!END!
8035	!	X =	693.017,	5150.411,	0.0,	0.0	!	!END!
8036	!	X =	693.067,	5150.411,	0.0,	0.0	!	!END!
8037	!	X =	693.117,	5150.411,	0.0,	0.0	!	!END!
8038	!	X =	693.167,	5150.411,	0.0,	0.0	!	!END!
8039	!	X =	693.217,	5150.411,	0.0,	0.0	!	!END!
8040	!	X =	693.267,	5150.411,	0.0,	0.0	!	!END!
8041	!	X =	693.317,	5150.411,	0.0,	0.0	!	!END!
8042	!	X =	693.367,	5150.411,	0.0,	0.0	!	!END!
8043	!	X =	693.417,	5150.411,	0.0,	0.0	!	!END!
8044	!	X =	693.467,	5150.411,	0.0,	0.0	!	!END!
8045	!	X =	693.517,	5150.411,	0.0,	0.0	!	!END!
8046	!	X =	693.567,	5150.411,	0.0,	0.0	!	!END!
8047	!	X =	693.617,	5150.411,	0.0,	0.0	!	!END!
8048	!	X =	693.667,	5150.411,	0.0,	0.0	!	!END!
8049	!	X =	693.717,	5150.411,	0.0,	0.0	!	!END!
8050	!	X =	693.767,	5150.411,	0.0,	0.0	!	!END!
8051	!	X =	693.817,	5150.411,	0.0,	0.0	!	!END!
8052	!	X =	693.867,	5150.411,	0.0,	0.0	!	!END!
8053	!	X =	693.917,	5150.411,	0.0,	0.0	!	!END!
8054	!	X =	693.967,	5150.411,	0.0,	0.0	!	!END!
8055	!	X =	692.967,	5150.461,	0.0,	0.0	!	!END!
8056	!	X =	693.017,	5150.461,	0.0,	0.0	!	!END!
8057	!	X =	693.067,	5150.461,	0.0,	0.0	!	!END!
8058	!	X =	693.117,	5150.461,	0.0,	0.0	!	!END!
8059	!	X =	693.167,	5150.461,	0.0,	0.0	!	!END!
8060	!	X =	693.217,	5150.461,	0.0,	0.0	!	!END!
8061	!	X =	693.267,	5150.461,	0.0,	0.0	!	!END!
8062	!	X =	693.317,	5150.461,	0.0,	0.0	!	!END!
8063	!	X =	693.367,	5150.461,	0.0,	0.0	!	!END!
8064	!	X =	693.417,	5150.461,	0.0,	0.0	!	!END!
8065	!	X =	693.467,	5150.461,	0.0,	0.0	!	!END!
8066	!	X =	693.517,	5150.461,	0.0,	0.0	!	!END!
8067	!	X =	693.567,	5150.461,	0.0,	0.0	!	!END!
8068	!	X =	693.617,	5150.461,	0.0,	0.0	!	!END!
8069	!	X =	693.667,	5150.461,	0.0,	0.0	!	!END!
8070	!	X =	693.717,	5150.461,	0.0,	0.0	!	!END!
8071	!	X =	693.767,	5150.461,	0.0,	0.0	!	!END!
8072	!	X =	693.817,	5150.461,	0.0,	0.0	!	!END!
8073	!	X =	693.867,	5150.461,	0.0,	0.0	!	!END!
8074	!	X =	693.917,	5150.461,	0.0,	0.0	!	!END!
8075	!	X =	693.967,	5150.461,	0.0,	0.0	!	!END!
8076	!	X =	692.967,	5150.511,	0.0,	0.0	!	!END!
8077	!	X =	693.017,	5150.511,	0.0,	0.0	!	!END!
8078	!	X =	693.067,	5150.511,	0.0,	0.0	!	!END!
8079	!	X =	693.117,	5150.511,	0.0,	0.0	!	!END!
8080	!	X =	693.167,	5150.511,	0.0,	0.0	!	!END!
8081	!	X =	693.217,	5150.511,	0.0,	0.0	!	!END!
8082	!	X =	693.267,	5150.511,	0.0,	0.0	!	!END!
8083	!	X =	693.317,	5150.511,	0.0,	0.0	!	!END!
8084	!	X =	693.367,	5150.511,	0.0,	0.0	!	!END!
8085	!	X =	693.417,	5150.511,	0.0,	0.0	!	!END!
8086	!	X =	693.467,	5150.511,	0.0,	0.0	!	!END!
8087	!	X =	693.517,	5150.511,	0.0,	0.0	!	!END!
8088	!	X =	693.567,	5150.511,	0.0,	0.0	!	!END!

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8089	!	X =	693.617,	5150.511,	0.0,	0.0	!	!END!
8090	!	X =	693.667,	5150.511,	0.0,	0.0	!	!END!
8091	!	X =	693.717,	5150.511,	0.0,	0.0	!	!END!
8092	!	X =	693.767,	5150.511,	0.0,	0.0	!	!END!
8093	!	X =	693.817,	5150.511,	0.0,	0.0	!	!END!
8094	!	X =	693.867,	5150.511,	0.0,	0.0	!	!END!
8095	!	X =	693.917,	5150.511,	0.0,	0.0	!	!END!
8096	!	X =	693.967,	5150.511,	0.0,	0.0	!	!END!
8097	!	X =	692.967,	5150.561,	0.0,	0.0	!	!END!
8098	!	X =	693.017,	5150.561,	0.0,	0.0	!	!END!
8099	!	X =	693.067,	5150.561,	0.0,	0.0	!	!END!
8100	!	X =	693.117,	5150.561,	0.0,	0.0	!	!END!
8101	!	X =	693.167,	5150.561,	0.0,	0.0	!	!END!
8102	!	X =	693.217,	5150.561,	0.0,	0.0	!	!END!
8103	!	X =	693.267,	5150.561,	0.0,	0.0	!	!END!
8104	!	X =	693.317,	5150.561,	0.0,	0.0	!	!END!
8105	!	X =	693.367,	5150.561,	0.0,	0.0	!	!END!
8106	!	X =	693.417,	5150.561,	0.0,	0.0	!	!END!
8107	!	X =	693.467,	5150.561,	0.0,	0.0	!	!END!
8108	!	X =	693.517,	5150.561,	0.0,	0.0	!	!END!
8109	!	X =	693.567,	5150.561,	0.0,	0.0	!	!END!
8110	!	X =	693.617,	5150.561,	0.0,	0.0	!	!END!
8111	!	X =	693.667,	5150.561,	0.0,	0.0	!	!END!
8112	!	X =	693.717,	5150.561,	0.0,	0.0	!	!END!
8113	!	X =	693.767,	5150.561,	0.0,	0.0	!	!END!
8114	!	X =	693.817,	5150.561,	0.0,	0.0	!	!END!
8115	!	X =	693.867,	5150.561,	0.0,	0.0	!	!END!
8116	!	X =	693.917,	5150.561,	0.0,	0.0	!	!END!
8117	!	X =	693.967,	5150.561,	0.0,	0.0	!	!END!
8118	!	X =	692.967,	5150.611,	0.0,	0.0	!	!END!
8119	!	X =	693.017,	5150.611,	0.0,	0.0	!	!END!
8120	!	X =	693.067,	5150.611,	0.0,	0.0	!	!END!
8121	!	X =	693.117,	5150.611,	0.0,	0.0	!	!END!
8122	!	X =	693.167,	5150.611,	0.0,	0.0	!	!END!
8123	!	X =	693.217,	5150.611,	0.0,	0.0	!	!END!
8124	!	X =	693.267,	5150.611,	0.0,	0.0	!	!END!
8125	!	X =	693.317,	5150.611,	0.0,	0.0	!	!END!
8126	!	X =	693.367,	5150.611,	0.0,	0.0	!	!END!
8127	!	X =	693.417,	5150.611,	0.0,	0.0	!	!END!
8128	!	X =	693.467,	5150.611,	0.0,	0.0	!	!END!
8129	!	X =	693.517,	5150.611,	0.0,	0.0	!	!END!
8130	!	X =	693.567,	5150.611,	0.0,	0.0	!	!END!
8131	!	X =	693.617,	5150.611,	0.0,	0.0	!	!END!
8132	!	X =	693.667,	5150.611,	0.0,	0.0	!	!END!
8133	!	X =	693.717,	5150.611,	0.0,	0.0	!	!END!
8134	!	X =	693.767,	5150.611,	0.0,	0.0	!	!END!
8135	!	X =	693.817,	5150.611,	0.0,	0.0	!	!END!
8136	!	X =	693.867,	5150.611,	0.0,	0.0	!	!END!
8137	!	X =	693.917,	5150.611,	0.0,	0.0	!	!END!
8138	!	X =	693.967,	5150.611,	0.0,	0.0	!	!END!
8139	!	X =	692.967,	5150.661,	0.0,	0.0	!	!END!
8140	!	X =	693.017,	5150.661,	0.0,	0.0	!	!END!
8141	!	X =	693.067,	5150.661,	0.0,	0.0	!	!END!
8142	!	X =	693.117,	5150.661,	0.0,	0.0	!	!END!
8143	!	X =	693.167,	5150.661,	0.0,	0.0	!	!END!
8144	!	X =	693.217,	5150.661,	0.0,	0.0	!	!END!
8145	!	X =	693.267,	5150.661,	0.0,	0.0	!	!END!
8146	!	X =	693.317,	5150.661,	0.0,	0.0	!	!END!
8147	!	X =	693.367,	5150.661,	0.0,	0.0	!	!END!
8148	!	X =	693.417,	5150.661,	0.0,	0.0	!	!END!
8149	!	X =	693.467,	5150.661,	0.0,	0.0	!	!END!
8150	!	X =	693.517,	5150.661,	0.0,	0.0	!	!END!
8151	!	X =	693.567,	5150.661,	0.0,	0.0	!	!END!

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8152	!	X =	693.617,	5150.661,	0.0,	0.0	!	!END!
8153	!	X =	693.667,	5150.661,	0.0,	0.0	!	!END!
8154	!	X =	693.717,	5150.661,	0.0,	0.0	!	!END!
8155	!	X =	693.767,	5150.661,	0.0,	0.0	!	!END!
8156	!	X =	693.817,	5150.661,	0.0,	0.0	!	!END!
8157	!	X =	693.867,	5150.661,	0.0,	0.0	!	!END!
8158	!	X =	693.917,	5150.661,	0.0,	0.0	!	!END!
8159	!	X =	693.967,	5150.661,	0.0,	0.0	!	!END!
8160	!	X =	692.467,	5149.161,	0.0,	0.0	!	!END!
8161	!	X =	692.567,	5149.161,	0.0,	0.0	!	!END!
8162	!	X =	692.667,	5149.161,	0.0,	0.0	!	!END!
8163	!	X =	692.767,	5149.161,	0.0,	0.0	!	!END!
8164	!	X =	692.867,	5149.161,	0.0,	0.0	!	!END!
8165	!	X =	692.967,	5149.161,	0.0,	0.0	!	!END!
8166	!	X =	693.067,	5149.161,	0.0,	0.0	!	!END!
8167	!	X =	693.167,	5149.161,	0.0,	0.0	!	!END!
8168	!	X =	693.267,	5149.161,	0.0,	0.0	!	!END!
8169	!	X =	693.367,	5149.161,	0.0,	0.0	!	!END!
8170	!	X =	693.467,	5149.161,	0.0,	0.0	!	!END!
8171	!	X =	693.567,	5149.161,	0.0,	0.0	!	!END!
8172	!	X =	693.667,	5149.161,	0.0,	0.0	!	!END!
8173	!	X =	693.767,	5149.161,	0.0,	0.0	!	!END!
8174	!	X =	693.867,	5149.161,	0.0,	0.0	!	!END!
8175	!	X =	693.967,	5149.161,	0.0,	0.0	!	!END!
8176	!	X =	694.067,	5149.161,	0.0,	0.0	!	!END!
8177	!	X =	694.167,	5149.161,	0.0,	0.0	!	!END!
8178	!	X =	694.267,	5149.161,	0.0,	0.0	!	!END!
8179	!	X =	694.367,	5149.161,	0.0,	0.0	!	!END!
8180	!	X =	694.467,	5149.161,	0.0,	0.0	!	!END!
8181	!	X =	692.467,	5149.261,	0.0,	0.0	!	!END!
8182	!	X =	692.567,	5149.261,	0.0,	0.0	!	!END!
8183	!	X =	692.667,	5149.261,	0.0,	0.0	!	!END!
8184	!	X =	692.767,	5149.261,	0.0,	0.0	!	!END!
8185	!	X =	692.867,	5149.261,	0.0,	0.0	!	!END!
8186	!	X =	692.967,	5149.261,	0.0,	0.0	!	!END!
8187	!	X =	693.067,	5149.261,	0.0,	0.0	!	!END!
8188	!	X =	693.167,	5149.261,	0.0,	0.0	!	!END!
8189	!	X =	693.267,	5149.261,	0.0,	0.0	!	!END!
8190	!	X =	693.367,	5149.261,	0.0,	0.0	!	!END!
8191	!	X =	693.467,	5149.261,	0.0,	0.0	!	!END!
8192	!	X =	693.567,	5149.261,	0.0,	0.0	!	!END!
8193	!	X =	693.667,	5149.261,	0.0,	0.0	!	!END!
8194	!	X =	693.767,	5149.261,	0.0,	0.0	!	!END!
8195	!	X =	693.867,	5149.261,	0.0,	0.0	!	!END!
8196	!	X =	693.967,	5149.261,	0.0,	0.0	!	!END!
8197	!	X =	694.067,	5149.261,	0.0,	0.0	!	!END!
8198	!	X =	694.167,	5149.261,	0.0,	0.0	!	!END!
8199	!	X =	694.267,	5149.261,	0.0,	0.0	!	!END!
8200	!	X =	694.367,	5149.261,	0.0,	0.0	!	!END!
8201	!	X =	694.467,	5149.261,	0.0,	0.0	!	!END!
8202	!	X =	692.467,	5149.361,	0.0,	0.0	!	!END!
8203	!	X =	692.567,	5149.361,	0.0,	0.0	!	!END!
8204	!	X =	692.667,	5149.361,	0.0,	0.0	!	!END!
8205	!	X =	692.767,	5149.361,	0.0,	0.0	!	!END!
8206	!	X =	692.867,	5149.361,	0.0,	0.0	!	!END!
8207	!	X =	692.967,	5149.361,	0.0,	0.0	!	!END!
8208	!	X =	693.067,	5149.361,	0.0,	0.0	!	!END!
8209	!	X =	693.167,	5149.361,	0.0,	0.0	!	!END!
8210	!	X =	693.267,	5149.361,	0.0,	0.0	!	!END!
8211	!	X =	693.367,	5149.361,	0.0,	0.0	!	!END!
8212	!	X =	693.467,	5149.361,	0.0,	0.0	!	!END!
8213	!	X =	693.567,	5149.361,	0.0,	0.0	!	!END!
8214	!	X =	693.667,	5149.361,	0.0,	0.0	!	!END!

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8215	!	X =	693.767,	5149.361,	0.0,	0.0	!	!END!
8216	!	X =	693.867,	5149.361,	0.0,	0.0	!	!END!
8217	!	X =	693.967,	5149.361,	0.0,	0.0	!	!END!
8218	!	X =	694.067,	5149.361,	0.0,	0.0	!	!END!
8219	!	X =	694.167,	5149.361,	0.0,	0.0	!	!END!
8220	!	X =	694.267,	5149.361,	0.0,	0.0	!	!END!
8221	!	X =	694.367,	5149.361,	0.0,	0.0	!	!END!
8222	!	X =	694.467,	5149.361,	0.0,	0.0	!	!END!
8223	!	X =	692.467,	5149.461,	0.0,	0.0	!	!END!
8224	!	X =	692.567,	5149.461,	0.0,	0.0	!	!END!
8225	!	X =	692.667,	5149.461,	0.0,	0.0	!	!END!
8226	!	X =	692.767,	5149.461,	0.0,	0.0	!	!END!
8227	!	X =	692.867,	5149.461,	0.0,	0.0	!	!END!
8228	!	X =	692.967,	5149.461,	0.0,	0.0	!	!END!
8229	!	X =	693.067,	5149.461,	0.0,	0.0	!	!END!
8230	!	X =	693.167,	5149.461,	0.0,	0.0	!	!END!
8231	!	X =	693.267,	5149.461,	0.0,	0.0	!	!END!
8232	!	X =	693.367,	5149.461,	0.0,	0.0	!	!END!
8233	!	X =	693.467,	5149.461,	0.0,	0.0	!	!END!
8234	!	X =	693.567,	5149.461,	0.0,	0.0	!	!END!
8235	!	X =	693.667,	5149.461,	0.0,	0.0	!	!END!
8236	!	X =	693.767,	5149.461,	0.0,	0.0	!	!END!
8237	!	X =	693.867,	5149.461,	0.0,	0.0	!	!END!
8238	!	X =	693.967,	5149.461,	0.0,	0.0	!	!END!
8239	!	X =	694.067,	5149.461,	0.0,	0.0	!	!END!
8240	!	X =	694.167,	5149.461,	0.0,	0.0	!	!END!
8241	!	X =	694.267,	5149.461,	0.0,	0.0	!	!END!
8242	!	X =	694.367,	5149.461,	0.0,	0.0	!	!END!
8243	!	X =	694.467,	5149.461,	0.0,	0.0	!	!END!
8244	!	X =	692.467,	5149.561,	0.0,	0.0	!	!END!
8245	!	X =	692.567,	5149.561,	0.0,	0.0	!	!END!
8246	!	X =	692.667,	5149.561,	0.0,	0.0	!	!END!
8247	!	X =	692.767,	5149.561,	0.0,	0.0	!	!END!
8248	!	X =	692.867,	5149.561,	0.0,	0.0	!	!END!
8249	!	X =	692.967,	5149.561,	0.0,	0.0	!	!END!
8250	!	X =	693.067,	5149.561,	0.0,	0.0	!	!END!
8251	!	X =	693.167,	5149.561,	0.0,	0.0	!	!END!
8252	!	X =	693.267,	5149.561,	0.0,	0.0	!	!END!
8253	!	X =	693.367,	5149.561,	0.0,	0.0	!	!END!
8254	!	X =	693.467,	5149.561,	0.0,	0.0	!	!END!
8255	!	X =	693.567,	5149.561,	0.0,	0.0	!	!END!
8256	!	X =	693.667,	5149.561,	0.0,	0.0	!	!END!
8257	!	X =	693.767,	5149.561,	0.0,	0.0	!	!END!
8258	!	X =	693.867,	5149.561,	0.0,	0.0	!	!END!
8259	!	X =	693.967,	5149.561,	0.0,	0.0	!	!END!
8260	!	X =	694.067,	5149.561,	0.0,	0.0	!	!END!
8261	!	X =	694.167,	5149.561,	0.0,	0.0	!	!END!
8262	!	X =	694.267,	5149.561,	0.0,	0.0	!	!END!
8263	!	X =	694.367,	5149.561,	0.0,	0.0	!	!END!
8264	!	X =	694.467,	5149.561,	0.0,	0.0	!	!END!
8265	!	X =	692.467,	5149.661,	0.0,	0.0	!	!END!
8266	!	X =	692.567,	5149.661,	0.0,	0.0	!	!END!
8267	!	X =	692.667,	5149.661,	0.0,	0.0	!	!END!
8268	!	X =	692.767,	5149.661,	0.0,	0.0	!	!END!
8269	!	X =	692.867,	5149.661,	0.0,	0.0	!	!END!
8270	!	X =	694.067,	5149.661,	0.0,	0.0	!	!END!
8271	!	X =	694.167,	5149.661,	0.0,	0.0	!	!END!
8272	!	X =	694.267,	5149.661,	0.0,	0.0	!	!END!
8273	!	X =	694.367,	5149.661,	0.0,	0.0	!	!END!
8274	!	X =	694.467,	5149.661,	0.0,	0.0	!	!END!
8275	!	X =	692.467,	5149.761,	0.0,	0.0	!	!END!
8276	!	X =	692.567,	5149.761,	0.0,	0.0	!	!END!
8277	!	X =	692.667,	5149.761,	0.0,	0.0	!	!END!

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8341	!	X =	694.167,	5150.361,	0.0,	0.0	!	!END!
8342	!	X =	694.267,	5150.361,	0.0,	0.0	!	!END!
8343	!	X =	694.367,	5150.361,	0.0,	0.0	!	!END!
8344	!	X =	694.467,	5150.361,	0.0,	0.0	!	!END!
8345	!	X =	692.467,	5150.461,	0.0,	0.0	!	!END!
8346	!	X =	692.567,	5150.461,	0.0,	0.0	!	!END!
8347	!	X =	692.667,	5150.461,	0.0,	0.0	!	!END!
8348	!	X =	692.767,	5150.461,	0.0,	0.0	!	!END!
8349	!	X =	692.867,	5150.461,	0.0,	0.0	!	!END!
8350	!	X =	694.067,	5150.461,	0.0,	0.0	!	!END!
8351	!	X =	694.167,	5150.461,	0.0,	0.0	!	!END!
8352	!	X =	694.267,	5150.461,	0.0,	0.0	!	!END!
8353	!	X =	694.367,	5150.461,	0.0,	0.0	!	!END!
8354	!	X =	694.467,	5150.461,	0.0,	0.0	!	!END!
8355	!	X =	692.467,	5150.561,	0.0,	0.0	!	!END!
8356	!	X =	692.567,	5150.561,	0.0,	0.0	!	!END!
8357	!	X =	692.667,	5150.561,	0.0,	0.0	!	!END!
8358	!	X =	692.767,	5150.561,	0.0,	0.0	!	!END!
8359	!	X =	692.867,	5150.561,	0.0,	0.0	!	!END!
8360	!	X =	694.067,	5150.561,	0.0,	0.0	!	!END!
8361	!	X =	694.167,	5150.561,	0.0,	0.0	!	!END!
8362	!	X =	694.267,	5150.561,	0.0,	0.0	!	!END!
8363	!	X =	694.367,	5150.561,	0.0,	0.0	!	!END!
8364	!	X =	694.467,	5150.561,	0.0,	0.0	!	!END!
8365	!	X =	692.467,	5150.661,	0.0,	0.0	!	!END!
8366	!	X =	692.567,	5150.661,	0.0,	0.0	!	!END!
8367	!	X =	692.667,	5150.661,	0.0,	0.0	!	!END!
8368	!	X =	692.767,	5150.661,	0.0,	0.0	!	!END!
8369	!	X =	692.867,	5150.661,	0.0,	0.0	!	!END!
8370	!	X =	694.067,	5150.661,	0.0,	0.0	!	!END!
8371	!	X =	694.167,	5150.661,	0.0,	0.0	!	!END!
8372	!	X =	694.267,	5150.661,	0.0,	0.0	!	!END!
8373	!	X =	694.367,	5150.661,	0.0,	0.0	!	!END!
8374	!	X =	694.467,	5150.661,	0.0,	0.0	!	!END!
8375	!	X =	692.467,	5150.761,	0.0,	0.0	!	!END!
8376	!	X =	692.567,	5150.761,	0.0,	0.0	!	!END!
8377	!	X =	692.667,	5150.761,	0.0,	0.0	!	!END!
8378	!	X =	692.767,	5150.761,	0.0,	0.0	!	!END!
8379	!	X =	692.867,	5150.761,	0.0,	0.0	!	!END!
8380	!	X =	692.967,	5150.761,	0.0,	0.0	!	!END!
8381	!	X =	693.067,	5150.761,	0.0,	0.0	!	!END!
8382	!	X =	693.167,	5150.761,	0.0,	0.0	!	!END!
8383	!	X =	693.267,	5150.761,	0.0,	0.0	!	!END!
8384	!	X =	693.367,	5150.761,	0.0,	0.0	!	!END!
8385	!	X =	693.467,	5150.761,	0.0,	0.0	!	!END!
8386	!	X =	693.567,	5150.761,	0.0,	0.0	!	!END!
8387	!	X =	693.667,	5150.761,	0.0,	0.0	!	!END!
8388	!	X =	693.767,	5150.761,	0.0,	0.0	!	!END!
8389	!	X =	693.867,	5150.761,	0.0,	0.0	!	!END!
8390	!	X =	693.967,	5150.761,	0.0,	0.0	!	!END!
8391	!	X =	694.067,	5150.761,	0.0,	0.0	!	!END!
8392	!	X =	694.167,	5150.761,	0.0,	0.0	!	!END!
8393	!	X =	694.267,	5150.761,	0.0,	0.0	!	!END!
8394	!	X =	694.367,	5150.761,	0.0,	0.0	!	!END!
8395	!	X =	694.467,	5150.761,	0.0,	0.0	!	!END!
8396	!	X =	692.467,	5150.861,	0.0,	0.0	!	!END!
8397	!	X =	692.567,	5150.861,	0.0,	0.0	!	!END!
8398	!	X =	692.667,	5150.861,	0.0,	0.0	!	!END!
8399	!	X =	692.767,	5150.861,	0.0,	0.0	!	!END!
8400	!	X =	692.867,	5150.861,	0.0,	0.0	!	!END!
8401	!	X =	692.967,	5150.861,	0.0,	0.0	!	!END!
8402	!	X =	693.067,	5150.861,	0.0,	0.0	!	!END!
8403	!	X =	693.167,	5150.861,	0.0,	0.0	!	!END!

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8404	!	X =	693.267,	5150.861,	0.0,	0.0	!	!END!
8405	!	X =	693.367,	5150.861,	0.0,	0.0	!	!END!
8406	!	X =	693.467,	5150.861,	0.0,	0.0	!	!END!
8407	!	X =	693.567,	5150.861,	0.0,	0.0	!	!END!
8408	!	X =	693.667,	5150.861,	0.0,	0.0	!	!END!
8409	!	X =	693.767,	5150.861,	0.0,	0.0	!	!END!
8410	!	X =	693.867,	5150.861,	0.0,	0.0	!	!END!
8411	!	X =	693.967,	5150.861,	0.0,	0.0	!	!END!
8412	!	X =	694.067,	5150.861,	0.0,	0.0	!	!END!
8413	!	X =	694.167,	5150.861,	0.0,	0.0	!	!END!
8414	!	X =	694.267,	5150.861,	0.0,	0.0	!	!END!
8415	!	X =	694.367,	5150.861,	0.0,	0.0	!	!END!
8416	!	X =	694.467,	5150.861,	0.0,	0.0	!	!END!
8417	!	X =	692.467,	5150.961,	0.0,	0.0	!	!END!
8418	!	X =	692.567,	5150.961,	0.0,	0.0	!	!END!
8419	!	X =	692.667,	5150.961,	0.0,	0.0	!	!END!
8420	!	X =	692.767,	5150.961,	0.0,	0.0	!	!END!
8421	!	X =	692.867,	5150.961,	0.0,	0.0	!	!END!
8422	!	X =	692.967,	5150.961,	0.0,	0.0	!	!END!
8423	!	X =	693.067,	5150.961,	0.0,	0.0	!	!END!
8424	!	X =	693.167,	5150.961,	0.0,	0.0	!	!END!
8425	!	X =	693.267,	5150.961,	0.0,	0.0	!	!END!
8426	!	X =	693.367,	5150.961,	0.0,	0.0	!	!END!
8427	!	X =	693.467,	5150.961,	0.0,	0.0	!	!END!
8428	!	X =	693.567,	5150.961,	0.0,	0.0	!	!END!
8429	!	X =	693.667,	5150.961,	0.0,	0.0	!	!END!
8430	!	X =	693.767,	5150.961,	0.0,	0.0	!	!END!
8431	!	X =	693.867,	5150.961,	0.0,	0.0	!	!END!
8432	!	X =	693.967,	5150.961,	0.0,	0.0	!	!END!
8433	!	X =	694.067,	5150.961,	0.0,	0.0	!	!END!
8434	!	X =	694.167,	5150.961,	0.0,	0.0	!	!END!
8435	!	X =	694.267,	5150.961,	0.0,	0.0	!	!END!
8436	!	X =	694.367,	5150.961,	0.0,	0.0	!	!END!
8437	!	X =	694.467,	5150.961,	0.0,	0.0	!	!END!
8438	!	X =	692.467,	5151.061,	0.0,	0.0	!	!END!
8439	!	X =	692.567,	5151.061,	0.0,	0.0	!	!END!
8440	!	X =	692.667,	5151.061,	0.0,	0.0	!	!END!
8441	!	X =	692.767,	5151.061,	0.0,	0.0	!	!END!
8442	!	X =	692.867,	5151.061,	0.0,	0.0	!	!END!
8443	!	X =	692.967,	5151.061,	0.0,	0.0	!	!END!
8444	!	X =	693.067,	5151.061,	0.0,	0.0	!	!END!
8445	!	X =	693.167,	5151.061,	0.0,	0.0	!	!END!
8446	!	X =	693.267,	5151.061,	0.0,	0.0	!	!END!
8447	!	X =	693.367,	5151.061,	0.0,	0.0	!	!END!
8448	!	X =	693.467,	5151.061,	0.0,	0.0	!	!END!
8449	!	X =	693.567,	5151.061,	0.0,	0.0	!	!END!
8450	!	X =	693.667,	5151.061,	0.0,	0.0	!	!END!
8451	!	X =	693.767,	5151.061,	0.0,	0.0	!	!END!
8452	!	X =	693.867,	5151.061,	0.0,	0.0	!	!END!
8453	!	X =	693.967,	5151.061,	0.0,	0.0	!	!END!
8454	!	X =	694.067,	5151.061,	0.0,	0.0	!	!END!
8455	!	X =	694.167,	5151.061,	0.0,	0.0	!	!END!
8456	!	X =	694.267,	5151.061,	0.0,	0.0	!	!END!
8457	!	X =	694.367,	5151.061,	0.0,	0.0	!	!END!
8458	!	X =	694.467,	5151.061,	0.0,	0.0	!	!END!
8459	!	X =	692.467,	5151.161,	0.0,	0.0	!	!END!
8460	!	X =	692.567,	5151.161,	0.0,	0.0	!	!END!
8461	!	X =	692.667,	5151.161,	0.0,	0.0	!	!END!
8462	!	X =	692.767,	5151.161,	0.0,	0.0	!	!END!
8463	!	X =	692.867,	5151.161,	0.0,	0.0	!	!END!
8464	!	X =	692.967,	5151.161,	0.0,	0.0	!	!END!
8465	!	X =	693.067,	5151.161,	0.0,	0.0	!	!END!
8466	!	X =	693.167,	5151.161,	0.0,	0.0	!	!END!

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8467	!	X =	693.267,	5151.161,	0.0,	0.0	!	!END!
8468	!	X =	693.367,	5151.161,	0.0,	0.0	!	!END!
8469	!	X =	693.467,	5151.161,	0.0,	0.0	!	!END!
8470	!	X =	693.567,	5151.161,	0.0,	0.0	!	!END!
8471	!	X =	693.667,	5151.161,	0.0,	0.0	!	!END!
8472	!	X =	693.767,	5151.161,	0.0,	0.0	!	!END!
8473	!	X =	693.867,	5151.161,	0.0,	0.0	!	!END!
8474	!	X =	693.967,	5151.161,	0.0,	0.0	!	!END!
8475	!	X =	694.067,	5151.161,	0.0,	0.0	!	!END!
8476	!	X =	694.167,	5151.161,	0.0,	0.0	!	!END!
8477	!	X =	694.267,	5151.161,	0.0,	0.0	!	!END!
8478	!	X =	694.367,	5151.161,	0.0,	0.0	!	!END!
8479	!	X =	694.467,	5151.161,	0.0,	0.0	!	!END!
8480	!	X =	691.467,	5148.161,	0.0,	0.0	!	!END!
8481	!	X =	691.667,	5148.161,	0.0,	0.0	!	!END!
8482	!	X =	691.867,	5148.161,	0.0,	0.0	!	!END!
8483	!	X =	692.067,	5148.161,	0.0,	0.0	!	!END!
8484	!	X =	692.267,	5148.161,	0.0,	0.0	!	!END!
8485	!	X =	692.467,	5148.161,	0.0,	0.0	!	!END!
8486	!	X =	692.667,	5148.161,	0.0,	0.0	!	!END!
8487	!	X =	692.867,	5148.161,	0.0,	0.0	!	!END!
8488	!	X =	693.067,	5148.161,	0.0,	0.0	!	!END!
8489	!	X =	693.267,	5148.161,	0.0,	0.0	!	!END!
8490	!	X =	693.467,	5148.161,	0.0,	0.0	!	!END!
8491	!	X =	693.667,	5148.161,	0.0,	0.0	!	!END!
8492	!	X =	693.867,	5148.161,	0.0,	0.0	!	!END!
8493	!	X =	694.067,	5148.161,	0.0,	0.0	!	!END!
8494	!	X =	694.267,	5148.161,	0.0,	0.0	!	!END!
8495	!	X =	694.467,	5148.161,	0.0,	0.0	!	!END!
8496	!	X =	694.667,	5148.161,	0.0,	0.0	!	!END!
8497	!	X =	694.867,	5148.161,	0.0,	0.0	!	!END!
8498	!	X =	695.067,	5148.161,	0.0,	0.0	!	!END!
8499	!	X =	695.267,	5148.161,	0.0,	0.0	!	!END!
8500	!	X =	695.467,	5148.161,	0.0,	0.0	!	!END!
8501	!	X =	691.467,	5148.361,	0.0,	0.0	!	!END!
8502	!	X =	691.667,	5148.361,	0.0,	0.0	!	!END!
8503	!	X =	691.867,	5148.361,	0.0,	0.0	!	!END!
8504	!	X =	692.067,	5148.361,	0.0,	0.0	!	!END!
8505	!	X =	692.267,	5148.361,	0.0,	0.0	!	!END!
8506	!	X =	692.467,	5148.361,	0.0,	0.0	!	!END!
8507	!	X =	692.667,	5148.361,	0.0,	0.0	!	!END!
8508	!	X =	692.867,	5148.361,	0.0,	0.0	!	!END!
8509	!	X =	693.067,	5148.361,	0.0,	0.0	!	!END!
8510	!	X =	693.267,	5148.361,	0.0,	0.0	!	!END!
8511	!	X =	693.467,	5148.361,	0.0,	0.0	!	!END!
8512	!	X =	693.667,	5148.361,	0.0,	0.0	!	!END!
8513	!	X =	693.867,	5148.361,	0.0,	0.0	!	!END!
8514	!	X =	694.067,	5148.361,	0.0,	0.0	!	!END!
8515	!	X =	694.267,	5148.361,	0.0,	0.0	!	!END!
8516	!	X =	694.467,	5148.361,	0.0,	0.0	!	!END!
8517	!	X =	694.667,	5148.361,	0.0,	0.0	!	!END!
8518	!	X =	694.867,	5148.361,	0.0,	0.0	!	!END!
8519	!	X =	695.067,	5148.361,	0.0,	0.0	!	!END!
8520	!	X =	695.267,	5148.361,	0.0,	0.0	!	!END!
8521	!	X =	695.467,	5148.361,	0.0,	0.0	!	!END!
8522	!	X =	691.467,	5148.561,	0.0,	0.0	!	!END!
8523	!	X =	691.667,	5148.561,	0.0,	0.0	!	!END!
8524	!	X =	691.867,	5148.561,	0.0,	0.0	!	!END!
8525	!	X =	692.067,	5148.561,	0.0,	0.0	!	!END!
8526	!	X =	692.267,	5148.561,	0.0,	0.0	!	!END!
8527	!	X =	692.467,	5148.561,	0.0,	0.0	!	!END!
8528	!	X =	692.667,	5148.561,	0.0,	0.0	!	!END!
8529	!	X =	692.867,	5148.561,	0.0,	0.0	!	!END!

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8530	!	X =	693.067,	5148.561,	0.0,	0.0	!	!END!
8531	!	X =	693.267,	5148.561,	0.0,	0.0	!	!END!
8532	!	X =	693.467,	5148.561,	0.0,	0.0	!	!END!
8533	!	X =	693.667,	5148.561,	0.0,	0.0	!	!END!
8534	!	X =	693.867,	5148.561,	0.0,	0.0	!	!END!
8535	!	X =	694.067,	5148.561,	0.0,	0.0	!	!END!
8536	!	X =	694.267,	5148.561,	0.0,	0.0	!	!END!
8537	!	X =	694.467,	5148.561,	0.0,	0.0	!	!END!
8538	!	X =	694.667,	5148.561,	0.0,	0.0	!	!END!
8539	!	X =	694.867,	5148.561,	0.0,	0.0	!	!END!
8540	!	X =	695.067,	5148.561,	0.0,	0.0	!	!END!
8541	!	X =	695.267,	5148.561,	0.0,	0.0	!	!END!
8542	!	X =	695.467,	5148.561,	0.0,	0.0	!	!END!
8543	!	X =	691.467,	5148.761,	0.0,	0.0	!	!END!
8544	!	X =	691.667,	5148.761,	0.0,	0.0	!	!END!
8545	!	X =	691.867,	5148.761,	0.0,	0.0	!	!END!
8546	!	X =	692.067,	5148.761,	0.0,	0.0	!	!END!
8547	!	X =	692.267,	5148.761,	0.0,	0.0	!	!END!
8548	!	X =	692.467,	5148.761,	0.0,	0.0	!	!END!
8549	!	X =	692.667,	5148.761,	0.0,	0.0	!	!END!
8550	!	X =	692.867,	5148.761,	0.0,	0.0	!	!END!
8551	!	X =	693.067,	5148.761,	0.0,	0.0	!	!END!
8552	!	X =	693.267,	5148.761,	0.0,	0.0	!	!END!
8553	!	X =	693.467,	5148.761,	0.0,	0.0	!	!END!
8554	!	X =	693.667,	5148.761,	0.0,	0.0	!	!END!
8555	!	X =	693.867,	5148.761,	0.0,	0.0	!	!END!
8556	!	X =	694.067,	5148.761,	0.0,	0.0	!	!END!
8557	!	X =	694.267,	5148.761,	0.0,	0.0	!	!END!
8558	!	X =	694.467,	5148.761,	0.0,	0.0	!	!END!
8559	!	X =	694.667,	5148.761,	0.0,	0.0	!	!END!
8560	!	X =	694.867,	5148.761,	0.0,	0.0	!	!END!
8561	!	X =	695.067,	5148.761,	0.0,	0.0	!	!END!
8562	!	X =	695.267,	5148.761,	0.0,	0.0	!	!END!
8563	!	X =	695.467,	5148.761,	0.0,	0.0	!	!END!
8564	!	X =	691.467,	5148.961,	0.0,	0.0	!	!END!
8565	!	X =	691.667,	5148.961,	0.0,	0.0	!	!END!
8566	!	X =	691.867,	5148.961,	0.0,	0.0	!	!END!
8567	!	X =	692.067,	5148.961,	0.0,	0.0	!	!END!
8568	!	X =	692.267,	5148.961,	0.0,	0.0	!	!END!
8569	!	X =	692.467,	5148.961,	0.0,	0.0	!	!END!
8570	!	X =	692.667,	5148.961,	0.0,	0.0	!	!END!
8571	!	X =	692.867,	5148.961,	0.0,	0.0	!	!END!
8572	!	X =	693.067,	5148.961,	0.0,	0.0	!	!END!
8573	!	X =	693.267,	5148.961,	0.0,	0.0	!	!END!
8574	!	X =	693.467,	5148.961,	0.0,	0.0	!	!END!
8575	!	X =	693.667,	5148.961,	0.0,	0.0	!	!END!
8576	!	X =	693.867,	5148.961,	0.0,	0.0	!	!END!
8577	!	X =	694.067,	5148.961,	0.0,	0.0	!	!END!
8578	!	X =	694.267,	5148.961,	0.0,	0.0	!	!END!
8579	!	X =	694.467,	5148.961,	0.0,	0.0	!	!END!
8580	!	X =	694.667,	5148.961,	0.0,	0.0	!	!END!
8581	!	X =	694.867,	5148.961,	0.0,	0.0	!	!END!
8582	!	X =	695.067,	5148.961,	0.0,	0.0	!	!END!
8583	!	X =	695.267,	5148.961,	0.0,	0.0	!	!END!
8584	!	X =	695.467,	5148.961,	0.0,	0.0	!	!END!
8585	!	X =	691.467,	5149.161,	0.0,	0.0	!	!END!
8586	!	X =	691.667,	5149.161,	0.0,	0.0	!	!END!
8587	!	X =	691.867,	5149.161,	0.0,	0.0	!	!END!
8588	!	X =	692.067,	5149.161,	0.0,	0.0	!	!END!
8589	!	X =	692.267,	5149.161,	0.0,	0.0	!	!END!
8590	!	X =	694.667,	5149.161,	0.0,	0.0	!	!END!
8591	!	X =	694.867,	5149.161,	0.0,	0.0	!	!END!
8592	!	X =	695.067,	5149.161,	0.0,	0.0	!	!END!

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8656	!	X =	691.667,	5150.561,	0.0,	0.0	!	!END!
8657	!	X =	691.867,	5150.561,	0.0,	0.0	!	!END!
8658	!	X =	692.067,	5150.561,	0.0,	0.0	!	!END!
8659	!	X =	692.267,	5150.561,	0.0,	0.0	!	!END!
8660	!	X =	694.667,	5150.561,	0.0,	0.0	!	!END!
8661	!	X =	694.867,	5150.561,	0.0,	0.0	!	!END!
8662	!	X =	695.067,	5150.561,	0.0,	0.0	!	!END!
8663	!	X =	695.267,	5150.561,	0.0,	0.0	!	!END!
8664	!	X =	695.467,	5150.561,	0.0,	0.0	!	!END!
8665	!	X =	691.467,	5150.761,	0.0,	0.0	!	!END!
8666	!	X =	691.667,	5150.761,	0.0,	0.0	!	!END!
8667	!	X =	691.867,	5150.761,	0.0,	0.0	!	!END!
8668	!	X =	692.067,	5150.761,	0.0,	0.0	!	!END!
8669	!	X =	692.267,	5150.761,	0.0,	0.0	!	!END!
8670	!	X =	694.667,	5150.761,	0.0,	0.0	!	!END!
8671	!	X =	694.867,	5150.761,	0.0,	0.0	!	!END!
8672	!	X =	695.067,	5150.761,	0.0,	0.0	!	!END!
8673	!	X =	695.267,	5150.761,	0.0,	0.0	!	!END!
8674	!	X =	695.467,	5150.761,	0.0,	0.0	!	!END!
8675	!	X =	691.467,	5150.961,	0.0,	0.0	!	!END!
8676	!	X =	691.667,	5150.961,	0.0,	0.0	!	!END!
8677	!	X =	691.867,	5150.961,	0.0,	0.0	!	!END!
8678	!	X =	692.067,	5150.961,	0.0,	0.0	!	!END!
8679	!	X =	692.267,	5150.961,	0.0,	0.0	!	!END!
8680	!	X =	694.667,	5150.961,	0.0,	0.0	!	!END!
8681	!	X =	694.867,	5150.961,	0.0,	0.0	!	!END!
8682	!	X =	695.067,	5150.961,	0.0,	0.0	!	!END!
8683	!	X =	695.267,	5150.961,	0.0,	0.0	!	!END!
8684	!	X =	695.467,	5150.961,	0.0,	0.0	!	!END!
8685	!	X =	691.467,	5151.161,	0.0,	0.0	!	!END!
8686	!	X =	691.667,	5151.161,	0.0,	0.0	!	!END!
8687	!	X =	691.867,	5151.161,	0.0,	0.0	!	!END!
8688	!	X =	692.067,	5151.161,	0.0,	0.0	!	!END!
8689	!	X =	692.267,	5151.161,	0.0,	0.0	!	!END!
8690	!	X =	694.667,	5151.161,	0.0,	0.0	!	!END!
8691	!	X =	694.867,	5151.161,	0.0,	0.0	!	!END!
8692	!	X =	695.067,	5151.161,	0.0,	0.0	!	!END!
8693	!	X =	695.267,	5151.161,	0.0,	0.0	!	!END!
8694	!	X =	695.467,	5151.161,	0.0,	0.0	!	!END!
8695	!	X =	691.467,	5151.361,	0.0,	0.0	!	!END!
8696	!	X =	691.667,	5151.361,	0.0,	0.0	!	!END!
8697	!	X =	691.867,	5151.361,	0.0,	0.0	!	!END!
8698	!	X =	692.067,	5151.361,	0.0,	0.0	!	!END!
8699	!	X =	692.267,	5151.361,	0.0,	0.0	!	!END!
8700	!	X =	692.467,	5151.361,	0.0,	0.0	!	!END!
8701	!	X =	692.667,	5151.361,	0.0,	0.0	!	!END!
8702	!	X =	692.867,	5151.361,	0.0,	0.0	!	!END!
8703	!	X =	693.067,	5151.361,	0.0,	0.0	!	!END!
8704	!	X =	693.267,	5151.361,	0.0,	0.0	!	!END!
8705	!	X =	693.467,	5151.361,	0.0,	0.0	!	!END!
8706	!	X =	693.667,	5151.361,	0.0,	0.0	!	!END!
8707	!	X =	693.867,	5151.361,	0.0,	0.0	!	!END!
8708	!	X =	694.067,	5151.361,	0.0,	0.0	!	!END!
8709	!	X =	694.267,	5151.361,	0.0,	0.0	!	!END!
8710	!	X =	694.467,	5151.361,	0.0,	0.0	!	!END!
8711	!	X =	694.667,	5151.361,	0.0,	0.0	!	!END!
8712	!	X =	694.867,	5151.361,	0.0,	0.0	!	!END!
8713	!	X =	695.067,	5151.361,	0.0,	0.0	!	!END!
8714	!	X =	695.267,	5151.361,	0.0,	0.0	!	!END!
8715	!	X =	695.467,	5151.361,	0.0,	0.0	!	!END!
8716	!	X =	691.467,	5151.561,	0.0,	0.0	!	!END!
8717	!	X =	691.667,	5151.561,	0.0,	0.0	!	!END!
8718	!	X =	691.867,	5151.561,	0.0,	0.0	!	!END!

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8719	!	X =	692.067,	5151.561,	0.0,	0.0	!	!END!
8720	!	X =	692.267,	5151.561,	0.0,	0.0	!	!END!
8721	!	X =	692.467,	5151.561,	0.0,	0.0	!	!END!
8722	!	X =	692.667,	5151.561,	0.0,	0.0	!	!END!
8723	!	X =	692.867,	5151.561,	0.0,	0.0	!	!END!
8724	!	X =	693.067,	5151.561,	0.0,	0.0	!	!END!
8725	!	X =	693.267,	5151.561,	0.0,	0.0	!	!END!
8726	!	X =	693.467,	5151.561,	0.0,	0.0	!	!END!
8727	!	X =	693.667,	5151.561,	0.0,	0.0	!	!END!
8728	!	X =	693.867,	5151.561,	0.0,	0.0	!	!END!
8729	!	X =	694.067,	5151.561,	0.0,	0.0	!	!END!
8730	!	X =	694.267,	5151.561,	0.0,	0.0	!	!END!
8731	!	X =	694.467,	5151.561,	0.0,	0.0	!	!END!
8732	!	X =	694.667,	5151.561,	0.0,	0.0	!	!END!
8733	!	X =	694.867,	5151.561,	0.0,	0.0	!	!END!
8734	!	X =	695.067,	5151.561,	0.0,	0.0	!	!END!
8735	!	X =	695.267,	5151.561,	0.0,	0.0	!	!END!
8736	!	X =	695.467,	5151.561,	0.0,	0.0	!	!END!
8737	!	X =	691.467,	5151.761,	0.0,	0.0	!	!END!
8738	!	X =	691.667,	5151.761,	0.0,	0.0	!	!END!
8739	!	X =	691.867,	5151.761,	0.0,	0.0	!	!END!
8740	!	X =	692.067,	5151.761,	0.0,	0.0	!	!END!
8741	!	X =	692.267,	5151.761,	0.0,	0.0	!	!END!
8742	!	X =	692.467,	5151.761,	0.0,	0.0	!	!END!
8743	!	X =	692.667,	5151.761,	0.0,	0.0	!	!END!
8744	!	X =	692.867,	5151.761,	0.0,	0.0	!	!END!
8745	!	X =	693.067,	5151.761,	0.0,	0.0	!	!END!
8746	!	X =	693.267,	5151.761,	0.0,	0.0	!	!END!
8747	!	X =	693.467,	5151.761,	0.0,	0.0	!	!END!
8748	!	X =	693.667,	5151.761,	0.0,	0.0	!	!END!
8749	!	X =	693.867,	5151.761,	0.0,	0.0	!	!END!
8750	!	X =	694.067,	5151.761,	0.0,	0.0	!	!END!
8751	!	X =	694.267,	5151.761,	0.0,	0.0	!	!END!
8752	!	X =	694.467,	5151.761,	0.0,	0.0	!	!END!
8753	!	X =	694.667,	5151.761,	0.0,	0.0	!	!END!
8754	!	X =	694.867,	5151.761,	0.0,	0.0	!	!END!
8755	!	X =	695.067,	5151.761,	0.0,	0.0	!	!END!
8756	!	X =	695.267,	5151.761,	0.0,	0.0	!	!END!
8757	!	X =	695.467,	5151.761,	0.0,	0.0	!	!END!
8758	!	X =	691.467,	5151.961,	0.0,	0.0	!	!END!
8759	!	X =	691.667,	5151.961,	0.0,	0.0	!	!END!
8760	!	X =	691.867,	5151.961,	0.0,	0.0	!	!END!
8761	!	X =	692.067,	5151.961,	0.0,	0.0	!	!END!
8762	!	X =	692.267,	5151.961,	0.0,	0.0	!	!END!
8763	!	X =	692.467,	5151.961,	0.0,	0.0	!	!END!
8764	!	X =	692.667,	5151.961,	0.0,	0.0	!	!END!
8765	!	X =	692.867,	5151.961,	0.0,	0.0	!	!END!
8766	!	X =	693.067,	5151.961,	0.0,	0.0	!	!END!
8767	!	X =	693.267,	5151.961,	0.0,	0.0	!	!END!
8768	!	X =	693.467,	5151.961,	0.0,	0.0	!	!END!
8769	!	X =	693.667,	5151.961,	0.0,	0.0	!	!END!
8770	!	X =	693.867,	5151.961,	0.0,	0.0	!	!END!
8771	!	X =	694.067,	5151.961,	0.0,	0.0	!	!END!
8772	!	X =	694.267,	5151.961,	0.0,	0.0	!	!END!
8773	!	X =	694.467,	5151.961,	0.0,	0.0	!	!END!
8774	!	X =	694.667,	5151.961,	0.0,	0.0	!	!END!
8775	!	X =	694.867,	5151.961,	0.0,	0.0	!	!END!
8776	!	X =	695.067,	5151.961,	0.0,	0.0	!	!END!
8777	!	X =	695.267,	5151.961,	0.0,	0.0	!	!END!
8778	!	X =	695.467,	5151.961,	0.0,	0.0	!	!END!
8779	!	X =	691.467,	5152.161,	0.0,	0.0	!	!END!
8780	!	X =	691.667,	5152.161,	0.0,	0.0	!	!END!
8781	!	X =	691.867,	5152.161,	0.0,	0.0	!	!END!

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8782	!	X =	692.067,	5152.161,	0.0,	0.0	!	!END!
8783	!	X =	692.267,	5152.161,	0.0,	0.0	!	!END!
8784	!	X =	692.467,	5152.161,	0.0,	0.0	!	!END!
8785	!	X =	692.667,	5152.161,	0.0,	0.0	!	!END!
8786	!	X =	692.867,	5152.161,	0.0,	0.0	!	!END!
8787	!	X =	693.067,	5152.161,	0.0,	0.0	!	!END!
8788	!	X =	693.267,	5152.161,	0.0,	0.0	!	!END!
8789	!	X =	693.467,	5152.161,	0.0,	0.0	!	!END!
8790	!	X =	693.667,	5152.161,	0.0,	0.0	!	!END!
8791	!	X =	693.867,	5152.161,	0.0,	0.0	!	!END!
8792	!	X =	694.067,	5152.161,	0.0,	0.0	!	!END!
8793	!	X =	694.267,	5152.161,	0.0,	0.0	!	!END!
8794	!	X =	694.467,	5152.161,	0.0,	0.0	!	!END!
8795	!	X =	694.667,	5152.161,	0.0,	0.0	!	!END!
8796	!	X =	694.867,	5152.161,	0.0,	0.0	!	!END!
8797	!	X =	695.067,	5152.161,	0.0,	0.0	!	!END!
8798	!	X =	695.267,	5152.161,	0.0,	0.0	!	!END!
8799	!	X =	695.467,	5152.161,	0.0,	0.0	!	!END!
8800	!	X =	692.492,	5158.125,	0.0,	0.0	!	!END!
8801	!	X =	692.542,	5158.125,	0.0,	0.0	!	!END!
8802	!	X =	692.592,	5158.125,	0.0,	0.0	!	!END!
8803	!	X =	692.642,	5158.125,	0.0,	0.0	!	!END!
8804	!	X =	692.692,	5158.125,	0.0,	0.0	!	!END!
8805	!	X =	692.742,	5158.125,	0.0,	0.0	!	!END!
8806	!	X =	692.792,	5158.125,	0.0,	0.0	!	!END!
8807	!	X =	692.842,	5158.125,	0.0,	0.0	!	!END!
8808	!	X =	692.892,	5158.125,	0.0,	0.0	!	!END!
8809	!	X =	692.942,	5158.125,	0.0,	0.0	!	!END!
8810	!	X =	692.992,	5158.125,	0.0,	0.0	!	!END!
8811	!	X =	693.042,	5158.125,	0.0,	0.0	!	!END!
8812	!	X =	693.092,	5158.125,	0.0,	0.0	!	!END!
8813	!	X =	693.142,	5158.125,	0.0,	0.0	!	!END!
8814	!	X =	693.192,	5158.125,	0.0,	0.0	!	!END!
8815	!	X =	693.242,	5158.125,	0.0,	0.0	!	!END!
8816	!	X =	693.292,	5158.125,	0.0,	0.0	!	!END!
8817	!	X =	693.342,	5158.125,	0.0,	0.0	!	!END!
8818	!	X =	693.392,	5158.125,	0.0,	0.0	!	!END!
8819	!	X =	693.442,	5158.125,	0.0,	0.0	!	!END!
8820	!	X =	693.492,	5158.125,	0.0,	0.0	!	!END!
8821	!	X =	692.492,	5158.175,	0.0,	0.0	!	!END!
8822	!	X =	692.542,	5158.175,	0.0,	0.0	!	!END!
8823	!	X =	692.592,	5158.175,	0.0,	0.0	!	!END!
8824	!	X =	692.642,	5158.175,	0.0,	0.0	!	!END!
8825	!	X =	692.692,	5158.175,	0.0,	0.0	!	!END!
8826	!	X =	692.742,	5158.175,	0.0,	0.0	!	!END!
8827	!	X =	692.792,	5158.175,	0.0,	0.0	!	!END!
8828	!	X =	692.842,	5158.175,	0.0,	0.0	!	!END!
8829	!	X =	692.892,	5158.175,	0.0,	0.0	!	!END!
8830	!	X =	692.942,	5158.175,	0.0,	0.0	!	!END!
8831	!	X =	692.992,	5158.175,	0.0,	0.0	!	!END!
8832	!	X =	693.042,	5158.175,	0.0,	0.0	!	!END!
8833	!	X =	728.055,	5186.350,	0.0,	0.0	!	!END!
8834	!	X =	728.105,	5186.350,	0.0,	0.0	!	!END!
8835	!	X =	728.155,	5186.350,	0.0,	0.0	!	!END!
8836	!	X =	728.205,	5186.350,	0.0,	0.0	!	!END!
8837	!	X =	728.255,	5186.350,	0.0,	0.0	!	!END!
8838	!	X =	728.305,	5186.350,	0.0,	0.0	!	!END!
8839	!	X =	727.305,	5186.400,	0.0,	0.0	!	!END!
8840	!	X =	727.355,	5186.400,	0.0,	0.0	!	!END!
8841	!	X =	727.405,	5186.400,	0.0,	0.0	!	!END!
8842	!	X =	727.455,	5186.400,	0.0,	0.0	!	!END!
8843	!	X =	727.505,	5186.400,	0.0,	0.0	!	!END!
8844	!	X =	727.555,	5186.400,	0.0,	0.0	!	!END!

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8845	!	X =	727.605,	5186.400,	0.0,	0.0	!	!END!
8846	!	X =	727.655,	5186.400,	0.0,	0.0	!	!END!
8847	!	X =	727.705,	5186.400,	0.0,	0.0	!	!END!
8848	!	X =	727.755,	5186.400,	0.0,	0.0	!	!END!
8849	!	X =	727.805,	5186.400,	0.0,	0.0	!	!END!
8850	!	X =	727.855,	5186.400,	0.0,	0.0	!	!END!
8851	!	X =	727.905,	5186.400,	0.0,	0.0	!	!END!
8852	!	X =	727.955,	5186.400,	0.0,	0.0	!	!END!
8853	!	X =	728.005,	5186.400,	0.0,	0.0	!	!END!
8854	!	X =	728.055,	5186.400,	0.0,	0.0	!	!END!
8855	!	X =	728.105,	5186.400,	0.0,	0.0	!	!END!
8856	!	X =	728.155,	5186.400,	0.0,	0.0	!	!END!
8857	!	X =	728.205,	5186.400,	0.0,	0.0	!	!END!
8858	!	X =	728.255,	5186.400,	0.0,	0.0	!	!END!
8859	!	X =	728.305,	5186.400,	0.0,	0.0	!	!END!
8860	!	X =	727.305,	5186.450,	0.0,	0.0	!	!END!
8861	!	X =	727.355,	5186.450,	0.0,	0.0	!	!END!
8862	!	X =	727.405,	5186.450,	0.0,	0.0	!	!END!
8863	!	X =	727.455,	5186.450,	0.0,	0.0	!	!END!
8864	!	X =	727.505,	5186.450,	0.0,	0.0	!	!END!
8865	!	X =	727.555,	5186.450,	0.0,	0.0	!	!END!
8866	!	X =	727.605,	5186.450,	0.0,	0.0	!	!END!
8867	!	X =	727.655,	5186.450,	0.0,	0.0	!	!END!
8868	!	X =	727.705,	5186.450,	0.0,	0.0	!	!END!
8869	!	X =	727.755,	5186.450,	0.0,	0.0	!	!END!
8870	!	X =	727.805,	5186.450,	0.0,	0.0	!	!END!
8871	!	X =	727.855,	5186.450,	0.0,	0.0	!	!END!
8872	!	X =	727.905,	5186.450,	0.0,	0.0	!	!END!
8873	!	X =	727.955,	5186.450,	0.0,	0.0	!	!END!
8874	!	X =	728.005,	5186.450,	0.0,	0.0	!	!END!
8875	!	X =	728.055,	5186.450,	0.0,	0.0	!	!END!
8876	!	X =	728.105,	5186.450,	0.0,	0.0	!	!END!
8877	!	X =	728.155,	5186.450,	0.0,	0.0	!	!END!
8878	!	X =	728.205,	5186.450,	0.0,	0.0	!	!END!
8879	!	X =	728.255,	5186.450,	0.0,	0.0	!	!END!
8880	!	X =	728.305,	5186.450,	0.0,	0.0	!	!END!
8881	!	X =	727.305,	5186.500,	0.0,	0.0	!	!END!
8882	!	X =	727.355,	5186.500,	0.0,	0.0	!	!END!
8883	!	X =	727.405,	5186.500,	0.0,	0.0	!	!END!
8884	!	X =	727.455,	5186.500,	0.0,	0.0	!	!END!
8885	!	X =	727.505,	5186.500,	0.0,	0.0	!	!END!
8886	!	X =	727.555,	5186.500,	0.0,	0.0	!	!END!
8887	!	X =	727.605,	5186.500,	0.0,	0.0	!	!END!
8888	!	X =	727.655,	5186.500,	0.0,	0.0	!	!END!
8889	!	X =	727.705,	5186.500,	0.0,	0.0	!	!END!
8890	!	X =	727.755,	5186.500,	0.0,	0.0	!	!END!
8891	!	X =	727.805,	5186.500,	0.0,	0.0	!	!END!
8892	!	X =	727.855,	5186.500,	0.0,	0.0	!	!END!
8893	!	X =	727.905,	5186.500,	0.0,	0.0	!	!END!
8894	!	X =	727.955,	5186.500,	0.0,	0.0	!	!END!
8895	!	X =	728.005,	5186.500,	0.0,	0.0	!	!END!
8896	!	X =	728.055,	5186.500,	0.0,	0.0	!	!END!
8897	!	X =	728.105,	5186.500,	0.0,	0.0	!	!END!
8898	!	X =	728.155,	5186.500,	0.0,	0.0	!	!END!
8899	!	X =	728.205,	5186.500,	0.0,	0.0	!	!END!
8900	!	X =	728.255,	5186.500,	0.0,	0.0	!	!END!
8901	!	X =	728.305,	5186.500,	0.0,	0.0	!	!END!
8902	!	X =	727.305,	5186.550,	0.0,	0.0	!	!END!
8903	!	X =	727.355,	5186.550,	0.0,	0.0	!	!END!
8904	!	X =	727.405,	5186.550,	0.0,	0.0	!	!END!
8905	!	X =	727.455,	5186.550,	0.0,	0.0	!	!END!
8906	!	X =	727.505,	5186.550,	0.0,	0.0	!	!END!
8907	!	X =	727.555,	5186.550,	0.0,	0.0	!	!END!

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8908	!	X =	727.605,	5186.550,	0.0,	0.0	!	!END!
8909	!	X =	727.655,	5186.550,	0.0,	0.0	!	!END!
8910	!	X =	727.705,	5186.550,	0.0,	0.0	!	!END!
8911	!	X =	727.755,	5186.550,	0.0,	0.0	!	!END!
8912	!	X =	727.805,	5186.550,	0.0,	0.0	!	!END!
8913	!	X =	727.855,	5186.550,	0.0,	0.0	!	!END!
8914	!	X =	727.905,	5186.550,	0.0,	0.0	!	!END!
8915	!	X =	727.955,	5186.550,	0.0,	0.0	!	!END!
8916	!	X =	728.005,	5186.550,	0.0,	0.0	!	!END!
8917	!	X =	728.055,	5186.550,	0.0,	0.0	!	!END!
8918	!	X =	728.105,	5186.550,	0.0,	0.0	!	!END!
8919	!	X =	728.155,	5186.550,	0.0,	0.0	!	!END!
8920	!	X =	728.205,	5186.550,	0.0,	0.0	!	!END!
8921	!	X =	728.255,	5186.550,	0.0,	0.0	!	!END!
8922	!	X =	728.305,	5186.550,	0.0,	0.0	!	!END!
8923	!	X =	727.305,	5186.600,	0.0,	0.0	!	!END!
8924	!	X =	727.355,	5186.600,	0.0,	0.0	!	!END!
8925	!	X =	727.405,	5186.600,	0.0,	0.0	!	!END!
8926	!	X =	727.455,	5186.600,	0.0,	0.0	!	!END!
8927	!	X =	727.505,	5186.600,	0.0,	0.0	!	!END!
8928	!	X =	727.555,	5186.600,	0.0,	0.0	!	!END!
8929	!	X =	727.605,	5186.600,	0.0,	0.0	!	!END!
8930	!	X =	727.655,	5186.600,	0.0,	0.0	!	!END!
8931	!	X =	727.705,	5186.600,	0.0,	0.0	!	!END!
8932	!	X =	727.755,	5186.600,	0.0,	0.0	!	!END!
8933	!	X =	727.805,	5186.600,	0.0,	0.0	!	!END!
8934	!	X =	727.855,	5186.600,	0.0,	0.0	!	!END!
8935	!	X =	727.905,	5186.600,	0.0,	0.0	!	!END!
8936	!	X =	727.955,	5186.600,	0.0,	0.0	!	!END!
8937	!	X =	728.005,	5186.600,	0.0,	0.0	!	!END!
8938	!	X =	728.055,	5186.600,	0.0,	0.0	!	!END!
8939	!	X =	728.105,	5186.600,	0.0,	0.0	!	!END!
8940	!	X =	728.155,	5186.600,	0.0,	0.0	!	!END!
8941	!	X =	728.205,	5186.600,	0.0,	0.0	!	!END!
8942	!	X =	728.255,	5186.600,	0.0,	0.0	!	!END!
8943	!	X =	728.305,	5186.600,	0.0,	0.0	!	!END!
8944	!	X =	726.805,	5185.100,	0.0,	0.0	!	!END!
8945	!	X =	726.905,	5185.100,	0.0,	0.0	!	!END!
8946	!	X =	727.005,	5185.100,	0.0,	0.0	!	!END!
8947	!	X =	727.105,	5185.100,	0.0,	0.0	!	!END!
8948	!	X =	727.205,	5185.100,	0.0,	0.0	!	!END!
8949	!	X =	727.305,	5185.100,	0.0,	0.0	!	!END!
8950	!	X =	727.405,	5185.100,	0.0,	0.0	!	!END!
8951	!	X =	727.505,	5185.100,	0.0,	0.0	!	!END!
8952	!	X =	727.605,	5185.100,	0.0,	0.0	!	!END!
8953	!	X =	727.705,	5185.100,	0.0,	0.0	!	!END!
8954	!	X =	727.805,	5185.100,	0.0,	0.0	!	!END!
8955	!	X =	727.905,	5185.100,	0.0,	0.0	!	!END!
8956	!	X =	728.005,	5185.100,	0.0,	0.0	!	!END!
8957	!	X =	728.105,	5185.100,	0.0,	0.0	!	!END!
8958	!	X =	728.205,	5185.100,	0.0,	0.0	!	!END!
8959	!	X =	728.305,	5185.100,	0.0,	0.0	!	!END!
8960	!	X =	728.405,	5185.100,	0.0,	0.0	!	!END!
8961	!	X =	728.505,	5185.100,	0.0,	0.0	!	!END!
8962	!	X =	728.605,	5185.100,	0.0,	0.0	!	!END!
8963	!	X =	728.705,	5185.100,	0.0,	0.0	!	!END!
8964	!	X =	728.805,	5185.100,	0.0,	0.0	!	!END!
8965	!	X =	726.805,	5185.200,	0.0,	0.0	!	!END!
8966	!	X =	726.905,	5185.200,	0.0,	0.0	!	!END!
8967	!	X =	727.005,	5185.200,	0.0,	0.0	!	!END!
8968	!	X =	727.105,	5185.200,	0.0,	0.0	!	!END!
8969	!	X =	727.205,	5185.200,	0.0,	0.0	!	!END!
8970	!	X =	727.305,	5185.200,	0.0,	0.0	!	!END!

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8971	!	X =	727.405,	5185.200,	0.0,	0.0	!	!END!
8972	!	X =	727.505,	5185.200,	0.0,	0.0	!	!END!
8973	!	X =	727.605,	5185.200,	0.0,	0.0	!	!END!
8974	!	X =	727.705,	5185.200,	0.0,	0.0	!	!END!
8975	!	X =	727.805,	5185.200,	0.0,	0.0	!	!END!
8976	!	X =	727.905,	5185.200,	0.0,	0.0	!	!END!
8977	!	X =	728.005,	5185.200,	0.0,	0.0	!	!END!
8978	!	X =	728.105,	5185.200,	0.0,	0.0	!	!END!
8979	!	X =	728.205,	5185.200,	0.0,	0.0	!	!END!
8980	!	X =	728.305,	5185.200,	0.0,	0.0	!	!END!
8981	!	X =	728.405,	5185.200,	0.0,	0.0	!	!END!
8982	!	X =	728.505,	5185.200,	0.0,	0.0	!	!END!
8983	!	X =	728.605,	5185.200,	0.0,	0.0	!	!END!
8984	!	X =	728.705,	5185.200,	0.0,	0.0	!	!END!
8985	!	X =	728.805,	5185.200,	0.0,	0.0	!	!END!
8986	!	X =	726.805,	5185.300,	0.0,	0.0	!	!END!
8987	!	X =	726.905,	5185.300,	0.0,	0.0	!	!END!
8988	!	X =	727.005,	5185.300,	0.0,	0.0	!	!END!
8989	!	X =	727.105,	5185.300,	0.0,	0.0	!	!END!
8990	!	X =	727.205,	5185.300,	0.0,	0.0	!	!END!
8991	!	X =	727.305,	5185.300,	0.0,	0.0	!	!END!
8992	!	X =	727.405,	5185.300,	0.0,	0.0	!	!END!
8993	!	X =	727.505,	5185.300,	0.0,	0.0	!	!END!
8994	!	X =	727.605,	5185.300,	0.0,	0.0	!	!END!
8995	!	X =	727.705,	5185.300,	0.0,	0.0	!	!END!
8996	!	X =	727.805,	5185.300,	0.0,	0.0	!	!END!
8997	!	X =	727.905,	5185.300,	0.0,	0.0	!	!END!
8998	!	X =	728.005,	5185.300,	0.0,	0.0	!	!END!
8999	!	X =	728.105,	5185.300,	0.0,	0.0	!	!END!
9000	!	X =	728.205,	5185.300,	0.0,	0.0	!	!END!
9001	!	X =	728.305,	5185.300,	0.0,	0.0	!	!END!
9002	!	X =	728.405,	5185.300,	0.0,	0.0	!	!END!
9003	!	X =	728.505,	5185.300,	0.0,	0.0	!	!END!
9004	!	X =	728.605,	5185.300,	0.0,	0.0	!	!END!
9005	!	X =	728.705,	5185.300,	0.0,	0.0	!	!END!
9006	!	X =	728.805,	5185.300,	0.0,	0.0	!	!END!
9007	!	X =	726.805,	5185.400,	0.0,	0.0	!	!END!
9008	!	X =	726.905,	5185.400,	0.0,	0.0	!	!END!
9009	!	X =	727.005,	5185.400,	0.0,	0.0	!	!END!
9010	!	X =	727.105,	5185.400,	0.0,	0.0	!	!END!
9011	!	X =	727.205,	5185.400,	0.0,	0.0	!	!END!
9012	!	X =	727.305,	5185.400,	0.0,	0.0	!	!END!
9013	!	X =	727.405,	5185.400,	0.0,	0.0	!	!END!
9014	!	X =	727.505,	5185.400,	0.0,	0.0	!	!END!
9015	!	X =	727.605,	5185.400,	0.0,	0.0	!	!END!
9016	!	X =	727.705,	5185.400,	0.0,	0.0	!	!END!
9017	!	X =	727.805,	5185.400,	0.0,	0.0	!	!END!
9018	!	X =	727.905,	5185.400,	0.0,	0.0	!	!END!
9019	!	X =	728.005,	5185.400,	0.0,	0.0	!	!END!
9020	!	X =	728.105,	5185.400,	0.0,	0.0	!	!END!
9021	!	X =	728.205,	5185.400,	0.0,	0.0	!	!END!
9022	!	X =	728.305,	5185.400,	0.0,	0.0	!	!END!
9023	!	X =	728.405,	5185.400,	0.0,	0.0	!	!END!
9024	!	X =	728.505,	5185.400,	0.0,	0.0	!	!END!
9025	!	X =	728.605,	5185.400,	0.0,	0.0	!	!END!
9026	!	X =	728.705,	5185.400,	0.0,	0.0	!	!END!
9027	!	X =	728.805,	5185.400,	0.0,	0.0	!	!END!
9028	!	X =	726.805,	5185.500,	0.0,	0.0	!	!END!
9029	!	X =	726.905,	5185.500,	0.0,	0.0	!	!END!
9030	!	X =	727.005,	5185.500,	0.0,	0.0	!	!END!
9031	!	X =	727.105,	5185.500,	0.0,	0.0	!	!END!
9032	!	X =	727.205,	5185.500,	0.0,	0.0	!	!END!
9033	!	X =	727.305,	5185.500,	0.0,	0.0	!	!END!

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9160	!	X =	726.905,	5186.700,	0.0,	0.0	!	!END!
9161	!	X =	727.005,	5186.700,	0.0,	0.0	!	!END!
9162	!	X =	727.105,	5186.700,	0.0,	0.0	!	!END!
9163	!	X =	727.205,	5186.700,	0.0,	0.0	!	!END!
9164	!	X =	727.305,	5186.700,	0.0,	0.0	!	!END!
9165	!	X =	727.405,	5186.700,	0.0,	0.0	!	!END!
9166	!	X =	727.505,	5186.700,	0.0,	0.0	!	!END!
9167	!	X =	727.605,	5186.700,	0.0,	0.0	!	!END!
9168	!	X =	727.705,	5186.700,	0.0,	0.0	!	!END!
9169	!	X =	727.805,	5186.700,	0.0,	0.0	!	!END!
9170	!	X =	727.905,	5186.700,	0.0,	0.0	!	!END!
9171	!	X =	728.005,	5186.700,	0.0,	0.0	!	!END!
9172	!	X =	728.105,	5186.700,	0.0,	0.0	!	!END!
9173	!	X =	728.205,	5186.700,	0.0,	0.0	!	!END!
9174	!	X =	728.305,	5186.700,	0.0,	0.0	!	!END!
9175	!	X =	728.405,	5186.700,	0.0,	0.0	!	!END!
9176	!	X =	728.505,	5186.700,	0.0,	0.0	!	!END!
9177	!	X =	728.605,	5186.700,	0.0,	0.0	!	!END!
9178	!	X =	728.705,	5186.700,	0.0,	0.0	!	!END!
9179	!	X =	728.805,	5186.700,	0.0,	0.0	!	!END!
9180	!	X =	726.805,	5186.800,	0.0,	0.0	!	!END!
9181	!	X =	726.905,	5186.800,	0.0,	0.0	!	!END!
9182	!	X =	727.005,	5186.800,	0.0,	0.0	!	!END!
9183	!	X =	727.105,	5186.800,	0.0,	0.0	!	!END!
9184	!	X =	727.205,	5186.800,	0.0,	0.0	!	!END!
9185	!	X =	727.305,	5186.800,	0.0,	0.0	!	!END!
9186	!	X =	727.405,	5186.800,	0.0,	0.0	!	!END!
9187	!	X =	727.505,	5186.800,	0.0,	0.0	!	!END!
9188	!	X =	727.605,	5186.800,	0.0,	0.0	!	!END!
9189	!	X =	727.705,	5186.800,	0.0,	0.0	!	!END!
9190	!	X =	727.805,	5186.800,	0.0,	0.0	!	!END!
9191	!	X =	727.905,	5186.800,	0.0,	0.0	!	!END!
9192	!	X =	728.005,	5186.800,	0.0,	0.0	!	!END!
9193	!	X =	728.105,	5186.800,	0.0,	0.0	!	!END!
9194	!	X =	728.205,	5186.800,	0.0,	0.0	!	!END!
9195	!	X =	728.305,	5186.800,	0.0,	0.0	!	!END!
9196	!	X =	728.405,	5186.800,	0.0,	0.0	!	!END!
9197	!	X =	728.505,	5186.800,	0.0,	0.0	!	!END!
9198	!	X =	728.605,	5186.800,	0.0,	0.0	!	!END!
9199	!	X =	728.705,	5186.800,	0.0,	0.0	!	!END!
9200	!	X =	728.805,	5186.800,	0.0,	0.0	!	!END!
9201	!	X =	726.805,	5186.900,	0.0,	0.0	!	!END!
9202	!	X =	726.905,	5186.900,	0.0,	0.0	!	!END!
9203	!	X =	727.005,	5186.900,	0.0,	0.0	!	!END!
9204	!	X =	727.105,	5186.900,	0.0,	0.0	!	!END!
9205	!	X =	727.205,	5186.900,	0.0,	0.0	!	!END!
9206	!	X =	727.305,	5186.900,	0.0,	0.0	!	!END!
9207	!	X =	727.405,	5186.900,	0.0,	0.0	!	!END!
9208	!	X =	727.505,	5186.900,	0.0,	0.0	!	!END!
9209	!	X =	727.605,	5186.900,	0.0,	0.0	!	!END!
9210	!	X =	727.705,	5186.900,	0.0,	0.0	!	!END!
9211	!	X =	727.805,	5186.900,	0.0,	0.0	!	!END!
9212	!	X =	727.905,	5186.900,	0.0,	0.0	!	!END!
9213	!	X =	728.005,	5186.900,	0.0,	0.0	!	!END!
9214	!	X =	728.105,	5186.900,	0.0,	0.0	!	!END!
9215	!	X =	728.205,	5186.900,	0.0,	0.0	!	!END!
9216	!	X =	728.305,	5186.900,	0.0,	0.0	!	!END!
9217	!	X =	728.405,	5186.900,	0.0,	0.0	!	!END!
9218	!	X =	728.505,	5186.900,	0.0,	0.0	!	!END!
9219	!	X =	728.605,	5186.900,	0.0,	0.0	!	!END!
9220	!	X =	728.705,	5186.900,	0.0,	0.0	!	!END!
9221	!	X =	728.805,	5186.900,	0.0,	0.0	!	!END!
9222	!	X =	726.805,	5187.000,	0.0,	0.0	!	!END!

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9223	!	X =	726.905,	5187.000,	0.0,	0.0	!	!END!
9224	!	X =	727.005,	5187.000,	0.0,	0.0	!	!END!
9225	!	X =	727.105,	5187.000,	0.0,	0.0	!	!END!
9226	!	X =	727.205,	5187.000,	0.0,	0.0	!	!END!
9227	!	X =	727.305,	5187.000,	0.0,	0.0	!	!END!
9228	!	X =	727.405,	5187.000,	0.0,	0.0	!	!END!
9229	!	X =	727.505,	5187.000,	0.0,	0.0	!	!END!
9230	!	X =	727.605,	5187.000,	0.0,	0.0	!	!END!
9231	!	X =	727.705,	5187.000,	0.0,	0.0	!	!END!
9232	!	X =	727.805,	5187.000,	0.0,	0.0	!	!END!
9233	!	X =	727.905,	5187.000,	0.0,	0.0	!	!END!
9234	!	X =	728.005,	5187.000,	0.0,	0.0	!	!END!
9235	!	X =	728.105,	5187.000,	0.0,	0.0	!	!END!
9236	!	X =	728.205,	5187.000,	0.0,	0.0	!	!END!
9237	!	X =	728.305,	5187.000,	0.0,	0.0	!	!END!
9238	!	X =	728.405,	5187.000,	0.0,	0.0	!	!END!
9239	!	X =	728.505,	5187.000,	0.0,	0.0	!	!END!
9240	!	X =	728.605,	5187.000,	0.0,	0.0	!	!END!
9241	!	X =	728.705,	5187.000,	0.0,	0.0	!	!END!
9242	!	X =	728.805,	5187.000,	0.0,	0.0	!	!END!
9243	!	X =	726.805,	5187.100,	0.0,	0.0	!	!END!
9244	!	X =	726.905,	5187.100,	0.0,	0.0	!	!END!
9245	!	X =	727.005,	5187.100,	0.0,	0.0	!	!END!
9246	!	X =	727.105,	5187.100,	0.0,	0.0	!	!END!
9247	!	X =	727.205,	5187.100,	0.0,	0.0	!	!END!
9248	!	X =	727.305,	5187.100,	0.0,	0.0	!	!END!
9249	!	X =	727.405,	5187.100,	0.0,	0.0	!	!END!
9250	!	X =	727.505,	5187.100,	0.0,	0.0	!	!END!
9251	!	X =	727.605,	5187.100,	0.0,	0.0	!	!END!
9252	!	X =	727.705,	5187.100,	0.0,	0.0	!	!END!
9253	!	X =	727.805,	5187.100,	0.0,	0.0	!	!END!
9254	!	X =	727.905,	5187.100,	0.0,	0.0	!	!END!
9255	!	X =	728.005,	5187.100,	0.0,	0.0	!	!END!
9256	!	X =	728.105,	5187.100,	0.0,	0.0	!	!END!
9257	!	X =	728.205,	5187.100,	0.0,	0.0	!	!END!
9258	!	X =	728.305,	5187.100,	0.0,	0.0	!	!END!
9259	!	X =	728.405,	5187.100,	0.0,	0.0	!	!END!
9260	!	X =	728.505,	5187.100,	0.0,	0.0	!	!END!
9261	!	X =	728.605,	5187.100,	0.0,	0.0	!	!END!
9262	!	X =	728.705,	5187.100,	0.0,	0.0	!	!END!
9263	!	X =	728.805,	5187.100,	0.0,	0.0	!	!END!
9264	!	X =	725.805,	5184.100,	0.0,	0.0	!	!END!
9265	!	X =	726.005,	5184.100,	0.0,	0.0	!	!END!
9266	!	X =	726.205,	5184.100,	0.0,	0.0	!	!END!
9267	!	X =	726.405,	5184.100,	0.0,	0.0	!	!END!
9268	!	X =	726.605,	5184.100,	0.0,	0.0	!	!END!
9269	!	X =	726.805,	5184.100,	0.0,	0.0	!	!END!
9270	!	X =	727.005,	5184.100,	0.0,	0.0	!	!END!
9271	!	X =	727.205,	5184.100,	0.0,	0.0	!	!END!
9272	!	X =	727.405,	5184.100,	0.0,	0.0	!	!END!
9273	!	X =	727.605,	5184.100,	0.0,	0.0	!	!END!
9274	!	X =	727.805,	5184.100,	0.0,	0.0	!	!END!
9275	!	X =	728.005,	5184.100,	0.0,	0.0	!	!END!
9276	!	X =	728.205,	5184.100,	0.0,	0.0	!	!END!
9277	!	X =	728.405,	5184.100,	0.0,	0.0	!	!END!
9278	!	X =	728.605,	5184.100,	0.0,	0.0	!	!END!
9279	!	X =	728.805,	5184.100,	0.0,	0.0	!	!END!
9280	!	X =	729.005,	5184.100,	0.0,	0.0	!	!END!
9281	!	X =	729.205,	5184.100,	0.0,	0.0	!	!END!
9282	!	X =	729.405,	5184.100,	0.0,	0.0	!	!END!
9283	!	X =	729.605,	5184.100,	0.0,	0.0	!	!END!
9284	!	X =	729.805,	5184.100,	0.0,	0.0	!	!END!
9285	!	X =	725.805,	5184.300,	0.0,	0.0	!	!END!

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9286	!	X =	726.005,	5184.300,	0.0,	0.0	!	!END!
9287	!	X =	726.205,	5184.300,	0.0,	0.0	!	!END!
9288	!	X =	726.405,	5184.300,	0.0,	0.0	!	!END!
9289	!	X =	726.605,	5184.300,	0.0,	0.0	!	!END!
9290	!	X =	726.805,	5184.300,	0.0,	0.0	!	!END!
9291	!	X =	727.005,	5184.300,	0.0,	0.0	!	!END!
9292	!	X =	727.205,	5184.300,	0.0,	0.0	!	!END!
9293	!	X =	727.405,	5184.300,	0.0,	0.0	!	!END!
9294	!	X =	727.605,	5184.300,	0.0,	0.0	!	!END!
9295	!	X =	727.805,	5184.300,	0.0,	0.0	!	!END!
9296	!	X =	728.005,	5184.300,	0.0,	0.0	!	!END!
9297	!	X =	728.205,	5184.300,	0.0,	0.0	!	!END!
9298	!	X =	728.405,	5184.300,	0.0,	0.0	!	!END!
9299	!	X =	728.605,	5184.300,	0.0,	0.0	!	!END!
9300	!	X =	728.805,	5184.300,	0.0,	0.0	!	!END!
9301	!	X =	729.005,	5184.300,	0.0,	0.0	!	!END!
9302	!	X =	729.205,	5184.300,	0.0,	0.0	!	!END!
9303	!	X =	729.405,	5184.300,	0.0,	0.0	!	!END!
9304	!	X =	729.605,	5184.300,	0.0,	0.0	!	!END!
9305	!	X =	729.805,	5184.300,	0.0,	0.0	!	!END!
9306	!	X =	725.805,	5184.500,	0.0,	0.0	!	!END!
9307	!	X =	726.005,	5184.500,	0.0,	0.0	!	!END!
9308	!	X =	726.205,	5184.500,	0.0,	0.0	!	!END!
9309	!	X =	726.405,	5184.500,	0.0,	0.0	!	!END!
9310	!	X =	726.605,	5184.500,	0.0,	0.0	!	!END!
9311	!	X =	726.805,	5184.500,	0.0,	0.0	!	!END!
9312	!	X =	727.005,	5184.500,	0.0,	0.0	!	!END!
9313	!	X =	727.205,	5184.500,	0.0,	0.0	!	!END!
9314	!	X =	727.405,	5184.500,	0.0,	0.0	!	!END!
9315	!	X =	727.605,	5184.500,	0.0,	0.0	!	!END!
9316	!	X =	727.805,	5184.500,	0.0,	0.0	!	!END!
9317	!	X =	728.005,	5184.500,	0.0,	0.0	!	!END!
9318	!	X =	728.205,	5184.500,	0.0,	0.0	!	!END!
9319	!	X =	728.405,	5184.500,	0.0,	0.0	!	!END!
9320	!	X =	728.605,	5184.500,	0.0,	0.0	!	!END!
9321	!	X =	728.805,	5184.500,	0.0,	0.0	!	!END!
9322	!	X =	729.005,	5184.500,	0.0,	0.0	!	!END!
9323	!	X =	729.205,	5184.500,	0.0,	0.0	!	!END!
9324	!	X =	729.405,	5184.500,	0.0,	0.0	!	!END!
9325	!	X =	729.605,	5184.500,	0.0,	0.0	!	!END!
9326	!	X =	729.805,	5184.500,	0.0,	0.0	!	!END!
9327	!	X =	725.805,	5184.700,	0.0,	0.0	!	!END!
9328	!	X =	726.005,	5184.700,	0.0,	0.0	!	!END!
9329	!	X =	726.205,	5184.700,	0.0,	0.0	!	!END!
9330	!	X =	726.405,	5184.700,	0.0,	0.0	!	!END!
9331	!	X =	726.605,	5184.700,	0.0,	0.0	!	!END!
9332	!	X =	726.805,	5184.700,	0.0,	0.0	!	!END!
9333	!	X =	727.005,	5184.700,	0.0,	0.0	!	!END!
9334	!	X =	727.205,	5184.700,	0.0,	0.0	!	!END!
9335	!	X =	727.405,	5184.700,	0.0,	0.0	!	!END!
9336	!	X =	727.605,	5184.700,	0.0,	0.0	!	!END!
9337	!	X =	727.805,	5184.700,	0.0,	0.0	!	!END!
9338	!	X =	728.005,	5184.700,	0.0,	0.0	!	!END!
9339	!	X =	728.205,	5184.700,	0.0,	0.0	!	!END!
9340	!	X =	728.405,	5184.700,	0.0,	0.0	!	!END!
9341	!	X =	728.605,	5184.700,	0.0,	0.0	!	!END!
9342	!	X =	728.805,	5184.700,	0.0,	0.0	!	!END!
9343	!	X =	729.005,	5184.700,	0.0,	0.0	!	!END!
9344	!	X =	729.205,	5184.700,	0.0,	0.0	!	!END!
9345	!	X =	729.405,	5184.700,	0.0,	0.0	!	!END!
9346	!	X =	729.605,	5184.700,	0.0,	0.0	!	!END!
9347	!	X =	729.805,	5184.700,	0.0,	0.0	!	!END!
9348	!	X =	725.805,	5184.900,	0.0,	0.0	!	!END!

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9475	!	X =	729.205,	5187.100,	0.0,	0.0	!	!END!
9476	!	X =	729.405,	5187.100,	0.0,	0.0	!	!END!
9477	!	X =	729.605,	5187.100,	0.0,	0.0	!	!END!
9478	!	X =	729.805,	5187.100,	0.0,	0.0	!	!END!
9479	!	X =	725.805,	5187.300,	0.0,	0.0	!	!END!
9480	!	X =	726.005,	5187.300,	0.0,	0.0	!	!END!
9481	!	X =	726.205,	5187.300,	0.0,	0.0	!	!END!
9482	!	X =	726.405,	5187.300,	0.0,	0.0	!	!END!
9483	!	X =	726.605,	5187.300,	0.0,	0.0	!	!END!
9484	!	X =	726.805,	5187.300,	0.0,	0.0	!	!END!
9485	!	X =	727.005,	5187.300,	0.0,	0.0	!	!END!
9486	!	X =	727.205,	5187.300,	0.0,	0.0	!	!END!
9487	!	X =	727.405,	5187.300,	0.0,	0.0	!	!END!
9488	!	X =	727.605,	5187.300,	0.0,	0.0	!	!END!
9489	!	X =	727.805,	5187.300,	0.0,	0.0	!	!END!
9490	!	X =	728.005,	5187.300,	0.0,	0.0	!	!END!
9491	!	X =	728.205,	5187.300,	0.0,	0.0	!	!END!
9492	!	X =	728.405,	5187.300,	0.0,	0.0	!	!END!
9493	!	X =	728.605,	5187.300,	0.0,	0.0	!	!END!
9494	!	X =	728.805,	5187.300,	0.0,	0.0	!	!END!
9495	!	X =	729.005,	5187.300,	0.0,	0.0	!	!END!
9496	!	X =	729.205,	5187.300,	0.0,	0.0	!	!END!
9497	!	X =	729.405,	5187.300,	0.0,	0.0	!	!END!
9498	!	X =	729.605,	5187.300,	0.0,	0.0	!	!END!
9499	!	X =	729.805,	5187.300,	0.0,	0.0	!	!END!
9500	!	X =	725.805,	5187.500,	0.0,	0.0	!	!END!
9501	!	X =	726.005,	5187.500,	0.0,	0.0	!	!END!
9502	!	X =	726.205,	5187.500,	0.0,	0.0	!	!END!
9503	!	X =	726.405,	5187.500,	0.0,	0.0	!	!END!
9504	!	X =	726.605,	5187.500,	0.0,	0.0	!	!END!
9505	!	X =	726.805,	5187.500,	0.0,	0.0	!	!END!
9506	!	X =	727.005,	5187.500,	0.0,	0.0	!	!END!
9507	!	X =	727.205,	5187.500,	0.0,	0.0	!	!END!
9508	!	X =	727.405,	5187.500,	0.0,	0.0	!	!END!
9509	!	X =	727.605,	5187.500,	0.0,	0.0	!	!END!
9510	!	X =	727.805,	5187.500,	0.0,	0.0	!	!END!
9511	!	X =	728.005,	5187.500,	0.0,	0.0	!	!END!
9512	!	X =	728.205,	5187.500,	0.0,	0.0	!	!END!
9513	!	X =	728.405,	5187.500,	0.0,	0.0	!	!END!
9514	!	X =	728.605,	5187.500,	0.0,	0.0	!	!END!
9515	!	X =	728.805,	5187.500,	0.0,	0.0	!	!END!
9516	!	X =	729.005,	5187.500,	0.0,	0.0	!	!END!
9517	!	X =	729.205,	5187.500,	0.0,	0.0	!	!END!
9518	!	X =	729.405,	5187.500,	0.0,	0.0	!	!END!
9519	!	X =	729.605,	5187.500,	0.0,	0.0	!	!END!
9520	!	X =	729.805,	5187.500,	0.0,	0.0	!	!END!
9521	!	X =	725.805,	5187.700,	0.0,	0.0	!	!END!
9522	!	X =	726.005,	5187.700,	0.0,	0.0	!	!END!
9523	!	X =	726.205,	5187.700,	0.0,	0.0	!	!END!
9524	!	X =	726.405,	5187.700,	0.0,	0.0	!	!END!
9525	!	X =	726.605,	5187.700,	0.0,	0.0	!	!END!
9526	!	X =	726.805,	5187.700,	0.0,	0.0	!	!END!
9527	!	X =	727.005,	5187.700,	0.0,	0.0	!	!END!
9528	!	X =	727.205,	5187.700,	0.0,	0.0	!	!END!
9529	!	X =	727.405,	5187.700,	0.0,	0.0	!	!END!
9530	!	X =	727.605,	5187.700,	0.0,	0.0	!	!END!
9531	!	X =	727.805,	5187.700,	0.0,	0.0	!	!END!
9532	!	X =	728.005,	5187.700,	0.0,	0.0	!	!END!
9533	!	X =	728.205,	5187.700,	0.0,	0.0	!	!END!
9534	!	X =	728.405,	5187.700,	0.0,	0.0	!	!END!
9535	!	X =	728.605,	5187.700,	0.0,	0.0	!	!END!
9536	!	X =	728.805,	5187.700,	0.0,	0.0	!	!END!
9537	!	X =	729.005,	5187.700,	0.0,	0.0	!	!END!

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9538	!	X =	729.205,	5187.700,	0.0,	0.0	!	!END!
9539	!	X =	729.405,	5187.700,	0.0,	0.0	!	!END!
9540	!	X =	729.605,	5187.700,	0.0,	0.0	!	!END!
9541	!	X =	729.805,	5187.700,	0.0,	0.0	!	!END!
9542	!	X =	725.805,	5187.900,	0.0,	0.0	!	!END!
9543	!	X =	726.005,	5187.900,	0.0,	0.0	!	!END!
9544	!	X =	726.205,	5187.900,	0.0,	0.0	!	!END!
9545	!	X =	726.405,	5187.900,	0.0,	0.0	!	!END!
9546	!	X =	726.605,	5187.900,	0.0,	0.0	!	!END!
9547	!	X =	726.805,	5187.900,	0.0,	0.0	!	!END!
9548	!	X =	727.005,	5187.900,	0.0,	0.0	!	!END!
9549	!	X =	727.205,	5187.900,	0.0,	0.0	!	!END!
9550	!	X =	727.405,	5187.900,	0.0,	0.0	!	!END!
9551	!	X =	727.605,	5187.900,	0.0,	0.0	!	!END!
9552	!	X =	727.805,	5187.900,	0.0,	0.0	!	!END!
9553	!	X =	728.005,	5187.900,	0.0,	0.0	!	!END!
9554	!	X =	728.205,	5187.900,	0.0,	0.0	!	!END!
9555	!	X =	728.405,	5187.900,	0.0,	0.0	!	!END!
9556	!	X =	728.605,	5187.900,	0.0,	0.0	!	!END!
9557	!	X =	728.805,	5187.900,	0.0,	0.0	!	!END!
9558	!	X =	729.005,	5187.900,	0.0,	0.0	!	!END!
9559	!	X =	729.205,	5187.900,	0.0,	0.0	!	!END!
9560	!	X =	729.405,	5187.900,	0.0,	0.0	!	!END!
9561	!	X =	729.605,	5187.900,	0.0,	0.0	!	!END!
9562	!	X =	729.805,	5187.900,	0.0,	0.0	!	!END!
9563	!	X =	725.805,	5188.100,	0.0,	0.0	!	!END!
9564	!	X =	726.005,	5188.100,	0.0,	0.0	!	!END!
9565	!	X =	726.205,	5188.100,	0.0,	0.0	!	!END!
9566	!	X =	726.405,	5188.100,	0.0,	0.0	!	!END!
9567	!	X =	726.605,	5188.100,	0.0,	0.0	!	!END!
9568	!	X =	726.805,	5188.100,	0.0,	0.0	!	!END!
9569	!	X =	727.005,	5188.100,	0.0,	0.0	!	!END!
9570	!	X =	727.205,	5188.100,	0.0,	0.0	!	!END!
9571	!	X =	727.405,	5188.100,	0.0,	0.0	!	!END!
9572	!	X =	727.605,	5188.100,	0.0,	0.0	!	!END!
9573	!	X =	727.805,	5188.100,	0.0,	0.0	!	!END!
9574	!	X =	728.005,	5188.100,	0.0,	0.0	!	!END!
9575	!	X =	728.205,	5188.100,	0.0,	0.0	!	!END!
9576	!	X =	728.405,	5188.100,	0.0,	0.0	!	!END!
9577	!	X =	728.605,	5188.100,	0.0,	0.0	!	!END!
9578	!	X =	728.805,	5188.100,	0.0,	0.0	!	!END!
9579	!	X =	729.005,	5188.100,	0.0,	0.0	!	!END!
9580	!	X =	729.205,	5188.100,	0.0,	0.0	!	!END!
9581	!	X =	729.405,	5188.100,	0.0,	0.0	!	!END!
9582	!	X =	729.605,	5188.100,	0.0,	0.0	!	!END!
9583	!	X =	729.805,	5188.100,	0.0,	0.0	!	!END!
9584	!	X =	693.092,	5158.175,	0.0,	0.0	!	!END!
9585	!	X =	693.142,	5158.175,	0.0,	0.0	!	!END!
9586	!	X =	693.192,	5158.175,	0.0,	0.0	!	!END!
9587	!	X =	693.242,	5158.175,	0.0,	0.0	!	!END!
9588	!	X =	693.292,	5158.175,	0.0,	0.0	!	!END!
9589	!	X =	693.342,	5158.175,	0.0,	0.0	!	!END!
9590	!	X =	693.392,	5158.175,	0.0,	0.0	!	!END!
9591	!	X =	693.442,	5158.175,	0.0,	0.0	!	!END!
9592	!	X =	693.492,	5158.175,	0.0,	0.0	!	!END!
9593	!	X =	692.492,	5158.225,	0.0,	0.0	!	!END!
9594	!	X =	692.542,	5158.225,	0.0,	0.0	!	!END!
9595	!	X =	692.592,	5158.225,	0.0,	0.0	!	!END!
9596	!	X =	692.642,	5158.225,	0.0,	0.0	!	!END!
9597	!	X =	692.692,	5158.225,	0.0,	0.0	!	!END!
9598	!	X =	692.742,	5158.225,	0.0,	0.0	!	!END!
9599	!	X =	692.792,	5158.225,	0.0,	0.0	!	!END!
9600	!	X =	692.842,	5158.225,	0.0,	0.0	!	!END!

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9601	!	X =	692.892,	5158.225,	0.0,	0.0	!	!END!
9602	!	X =	692.942,	5158.225,	0.0,	0.0	!	!END!
9603	!	X =	692.992,	5158.225,	0.0,	0.0	!	!END!
9604	!	X =	693.042,	5158.225,	0.0,	0.0	!	!END!
9605	!	X =	693.092,	5158.225,	0.0,	0.0	!	!END!
9606	!	X =	693.142,	5158.225,	0.0,	0.0	!	!END!
9607	!	X =	693.192,	5158.225,	0.0,	0.0	!	!END!
9608	!	X =	693.242,	5158.225,	0.0,	0.0	!	!END!
9609	!	X =	693.292,	5158.225,	0.0,	0.0	!	!END!
9610	!	X =	693.342,	5158.225,	0.0,	0.0	!	!END!
9611	!	X =	693.392,	5158.225,	0.0,	0.0	!	!END!
9612	!	X =	693.442,	5158.225,	0.0,	0.0	!	!END!
9613	!	X =	693.492,	5158.225,	0.0,	0.0	!	!END!
9614	!	X =	692.492,	5158.275,	0.0,	0.0	!	!END!
9615	!	X =	692.542,	5158.275,	0.0,	0.0	!	!END!
9616	!	X =	692.592,	5158.275,	0.0,	0.0	!	!END!
9617	!	X =	692.642,	5158.275,	0.0,	0.0	!	!END!
9618	!	X =	692.692,	5158.275,	0.0,	0.0	!	!END!
9619	!	X =	692.742,	5158.275,	0.0,	0.0	!	!END!
9620	!	X =	692.792,	5158.275,	0.0,	0.0	!	!END!
9621	!	X =	692.842,	5158.275,	0.0,	0.0	!	!END!
9622	!	X =	692.892,	5158.275,	0.0,	0.0	!	!END!
9623	!	X =	692.942,	5158.275,	0.0,	0.0	!	!END!
9624	!	X =	692.992,	5158.275,	0.0,	0.0	!	!END!
9625	!	X =	693.042,	5158.275,	0.0,	0.0	!	!END!
9626	!	X =	693.092,	5158.275,	0.0,	0.0	!	!END!
9627	!	X =	693.142,	5158.275,	0.0,	0.0	!	!END!
9628	!	X =	693.192,	5158.275,	0.0,	0.0	!	!END!
9629	!	X =	693.242,	5158.275,	0.0,	0.0	!	!END!
9630	!	X =	693.292,	5158.275,	0.0,	0.0	!	!END!
9631	!	X =	693.342,	5158.275,	0.0,	0.0	!	!END!
9632	!	X =	693.392,	5158.275,	0.0,	0.0	!	!END!
9633	!	X =	693.442,	5158.275,	0.0,	0.0	!	!END!
9634	!	X =	693.492,	5158.275,	0.0,	0.0	!	!END!
9635	!	X =	692.492,	5158.325,	0.0,	0.0	!	!END!
9636	!	X =	692.542,	5158.325,	0.0,	0.0	!	!END!
9637	!	X =	692.592,	5158.325,	0.0,	0.0	!	!END!
9638	!	X =	692.642,	5158.325,	0.0,	0.0	!	!END!
9639	!	X =	692.692,	5158.325,	0.0,	0.0	!	!END!
9640	!	X =	692.742,	5158.325,	0.0,	0.0	!	!END!
9641	!	X =	692.792,	5158.325,	0.0,	0.0	!	!END!
9642	!	X =	692.842,	5158.325,	0.0,	0.0	!	!END!
9643	!	X =	692.892,	5158.325,	0.0,	0.0	!	!END!
9644	!	X =	692.942,	5158.325,	0.0,	0.0	!	!END!
9645	!	X =	692.992,	5158.325,	0.0,	0.0	!	!END!
9646	!	X =	693.042,	5158.325,	0.0,	0.0	!	!END!
9647	!	X =	693.092,	5158.325,	0.0,	0.0	!	!END!
9648	!	X =	693.142,	5158.325,	0.0,	0.0	!	!END!
9649	!	X =	693.192,	5158.325,	0.0,	0.0	!	!END!
9650	!	X =	693.242,	5158.325,	0.0,	0.0	!	!END!
9651	!	X =	693.292,	5158.325,	0.0,	0.0	!	!END!
9652	!	X =	693.342,	5158.325,	0.0,	0.0	!	!END!
9653	!	X =	693.392,	5158.325,	0.0,	0.0	!	!END!
9654	!	X =	693.442,	5158.325,	0.0,	0.0	!	!END!
9655	!	X =	693.492,	5158.325,	0.0,	0.0	!	!END!
9656	!	X =	692.492,	5158.375,	0.0,	0.0	!	!END!
9657	!	X =	692.542,	5158.375,	0.0,	0.0	!	!END!
9658	!	X =	692.592,	5158.375,	0.0,	0.0	!	!END!
9659	!	X =	692.642,	5158.375,	0.0,	0.0	!	!END!
9660	!	X =	692.692,	5158.375,	0.0,	0.0	!	!END!
9661	!	X =	692.742,	5158.375,	0.0,	0.0	!	!END!
9662	!	X =	692.792,	5158.375,	0.0,	0.0	!	!END!
9663	!	X =	692.842,	5158.375,	0.0,	0.0	!	!END!

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9664	!	X =	692.892,	5158.375,	0.0,	0.0	!	!END!
9665	!	X =	692.942,	5158.375,	0.0,	0.0	!	!END!
9666	!	X =	692.992,	5158.375,	0.0,	0.0	!	!END!
9667	!	X =	693.042,	5158.375,	0.0,	0.0	!	!END!
9668	!	X =	693.092,	5158.375,	0.0,	0.0	!	!END!
9669	!	X =	693.142,	5158.375,	0.0,	0.0	!	!END!
9670	!	X =	693.192,	5158.375,	0.0,	0.0	!	!END!
9671	!	X =	693.242,	5158.375,	0.0,	0.0	!	!END!
9672	!	X =	693.292,	5158.375,	0.0,	0.0	!	!END!
9673	!	X =	693.342,	5158.375,	0.0,	0.0	!	!END!
9674	!	X =	693.392,	5158.375,	0.0,	0.0	!	!END!
9675	!	X =	693.442,	5158.375,	0.0,	0.0	!	!END!
9676	!	X =	693.492,	5158.375,	0.0,	0.0	!	!END!
9677	!	X =	692.492,	5158.425,	0.0,	0.0	!	!END!
9678	!	X =	692.542,	5158.425,	0.0,	0.0	!	!END!
9679	!	X =	692.592,	5158.425,	0.0,	0.0	!	!END!
9680	!	X =	692.642,	5158.425,	0.0,	0.0	!	!END!
9681	!	X =	692.692,	5158.425,	0.0,	0.0	!	!END!
9682	!	X =	692.742,	5158.425,	0.0,	0.0	!	!END!
9683	!	X =	692.792,	5158.425,	0.0,	0.0	!	!END!
9684	!	X =	692.842,	5158.425,	0.0,	0.0	!	!END!
9685	!	X =	692.892,	5158.425,	0.0,	0.0	!	!END!
9686	!	X =	692.942,	5158.425,	0.0,	0.0	!	!END!
9687	!	X =	692.992,	5158.425,	0.0,	0.0	!	!END!
9688	!	X =	693.042,	5158.425,	0.0,	0.0	!	!END!
9689	!	X =	693.092,	5158.425,	0.0,	0.0	!	!END!
9690	!	X =	693.142,	5158.425,	0.0,	0.0	!	!END!
9691	!	X =	693.192,	5158.425,	0.0,	0.0	!	!END!
9692	!	X =	693.242,	5158.425,	0.0,	0.0	!	!END!
9693	!	X =	693.292,	5158.425,	0.0,	0.0	!	!END!
9694	!	X =	693.342,	5158.425,	0.0,	0.0	!	!END!
9695	!	X =	693.392,	5158.425,	0.0,	0.0	!	!END!
9696	!	X =	693.442,	5158.425,	0.0,	0.0	!	!END!
9697	!	X =	693.492,	5158.425,	0.0,	0.0	!	!END!
9698	!	X =	692.492,	5158.475,	0.0,	0.0	!	!END!
9699	!	X =	692.542,	5158.475,	0.0,	0.0	!	!END!
9700	!	X =	692.592,	5158.475,	0.0,	0.0	!	!END!
9701	!	X =	692.642,	5158.475,	0.0,	0.0	!	!END!
9702	!	X =	692.692,	5158.475,	0.0,	0.0	!	!END!
9703	!	X =	692.742,	5158.475,	0.0,	0.0	!	!END!
9704	!	X =	692.792,	5158.475,	0.0,	0.0	!	!END!
9705	!	X =	692.842,	5158.475,	0.0,	0.0	!	!END!
9706	!	X =	692.892,	5158.475,	0.0,	0.0	!	!END!
9707	!	X =	692.942,	5158.475,	0.0,	0.0	!	!END!
9708	!	X =	692.992,	5158.475,	0.0,	0.0	!	!END!
9709	!	X =	693.042,	5158.475,	0.0,	0.0	!	!END!
9710	!	X =	693.092,	5158.475,	0.0,	0.0	!	!END!
9711	!	X =	693.142,	5158.475,	0.0,	0.0	!	!END!
9712	!	X =	693.192,	5158.475,	0.0,	0.0	!	!END!
9713	!	X =	693.242,	5158.475,	0.0,	0.0	!	!END!
9714	!	X =	693.292,	5158.475,	0.0,	0.0	!	!END!
9715	!	X =	693.342,	5158.475,	0.0,	0.0	!	!END!
9716	!	X =	693.392,	5158.475,	0.0,	0.0	!	!END!
9717	!	X =	693.442,	5158.475,	0.0,	0.0	!	!END!
9718	!	X =	693.492,	5158.475,	0.0,	0.0	!	!END!
9719	!	X =	692.492,	5158.525,	0.0,	0.0	!	!END!
9720	!	X =	692.542,	5158.525,	0.0,	0.0	!	!END!
9721	!	X =	692.592,	5158.525,	0.0,	0.0	!	!END!
9722	!	X =	692.642,	5158.525,	0.0,	0.0	!	!END!
9723	!	X =	692.692,	5158.525,	0.0,	0.0	!	!END!

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Data for each receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

b

Receptor height above ground is optional. If no value is entered, the receptor is placed on the ground.

c

Receptors can be assigned using group names provided in 17b. If no group names are used (NRGRP=0) then the default assignment name X must be used.

NSMODEL
NSMODEL
NSMODEL

----- Run title (3 lines) -----

CALPUFF MODEL CONTROL FILE

INPUT GROUP: 0 -- Input and Output File Names

Default Name	Type	File Name
CALMET.DAT	input	! METDAT = CALMET.DAT !
or		
ISCMET.DAT	input	* ISCDAT = *
or		
PLMMET.DAT	input	* PLMDAT = *
or		
PROFILE.DAT	input	* PRFDAT = *
SURFACE.DAT	input	* SFCDAT = *
RESTARTB.DAT	input	* RSTARTB = *

CALPUFF.LST	output	! PUFLST = CALPUFF.LST !
CONC.DAT	output	! CONDAT = CONC.DAT !
DFLX.DAT	output	! DFDAT = DFLX.DAT !
WFLX.DAT	output	! WFDAT = WFLX.DAT !

VISB.DAT	output	! VISDAT = VISB.DAT !
TK2D.DAT	output	* T2DDAT = *
RHO2D.DAT	output	* RHODAT = *
RESTARTE.DAT	output	* RSTARTE = *

Emission Files

PTEMARB.DAT	input	* PTDAT = *
VOLEMARB.DAT	input	* VOLDAT = *
BAEMARB.DAT	input	* ARDAT = *
LNEMARB.DAT	input	* LNDAT = *

Other Files

OZONE.DAT	input	* OZDAT = *
VD.DAT	input	* VDDAT = *
CHEM.DAT	input	* CHEMDAT = *
AUX	input	! AUXEXT = aux !
(Extension added to METDAT filename(s) for files with auxiliary 2D and 3D data)		
H2O2.DAT	input	* H2O2DAT = *
NH3Z.DAT	input	* NH3ZDAT = *
HILL.DAT	input	* HILDAT = *
HILLRCT.DAT	input	* RCTDAT = *
COASTLN.DAT	input	* CSTDAT = *
FLUXBDY.DAT	input	* BDYDAT = *
BCON.DAT	input	* BCNDAT = *
DEBUG.DAT	output	* DEBUG = *
MASSFLX.DAT	output	* FLXDAT = *
MASSBAL.DAT	output	! BALDAT = MASSBAL.DAT !
FOG.DAT	output	* FOGDAT = *
RISE.DAT	output	* RISDAT = *
PFTRAK.DAT	output	* TRKDAT = *

CALPUFF.INP

All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
T = lower case ! LCFILES = F !
F = UPPER CASE

NOTE: (1) file/path names can be up to 132 characters in length

Provision for multiple input files

- Number of CALMET.DAT Domains (NMETDOM) Default: 1 ! NMETDOM = 1 !
Number of CALMET.DAT files (NMETDAT) (Total for ALL Domains) Default: 1 ! NMETDAT = 1 !
Number of PTEMARB.DAT files for run (NPTDAT) Default: 0 ! NPTDAT = 0 !
Number of BAEMARB.DAT files for run (NARDAT) Default: 0 ! NARDAT = 0 !
Number of VOLEMARB.DAT files for run (NVOLDAT) Default: 0 ! NVOLDAT = 0 !

!END!

Subgroup (0a)

Provide a name for each CALMET domain if NMETDOM > 1
Enter NMETDOM lines.

Default Name Domain Name a,b

* DOMAINLIST = *

The following CALMET.DAT filenames are processed in sequence
if NMETDAT > 1

Enter NMETDAT lines, 1 line for each file name.

Default Name Type File Name a,c,d
none input * METDAT= * *END*

- a The name for each CALMET domain and each CALMET.DAT file is treated as a separate input subgroup and therefore must end with an input group terminator.
b Use DOMAIN1= to assign the name for the outermost CALMET domain. Use DOMAIN2= to assign the name for the next inner CALMET domain. Use DOMAIN3= to assign the name for the next inner CALMET domain, etc.

When inner domains with equal resolution (grid-cell size) overlap, the data from the FIRST such domain in the list will be used if all other criteria for choosing the controlling grid domain are inconclusive.

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- c Use METDAT1= to assign the file names for the outermost CALMET domain.
Use METDAT2= to assign the file names for the next inner CALMET domain.
Use METDAT3= to assign the file names for the next inner CALMET domain, etc.
- d The filenames for each domain must be provided in sequential order

Subgroup (0b)

The following PTEMARB.DAT filenames are processed in sequence if NPTDAT>0

Default Name	Type	File Name
* PTDATLIST = *		

Subgroup (0c)

The following BAEMARB.DAT filenames are processed in sequence if NARDAT>0

Default Name	Type	File Name
* ARDATLIST = *		

Subgroup (0d)

The following VOLEMARB.DAT filenames are processed in sequence if NARDAT>0

Default Name	Type	File Name
* VOLDATLIST = *		

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in met. file

Starting date:	Year (IBYR) -- No default ! IBYR = 2006 !
	Month (IBMO) -- No default ! IBMO = 1 !
	Day (IBDY) -- No default ! IBDY = 1 !
Starting time:	Hour (IBHR) -- No default ! IBHR = 0 !
	Minute (IBMIN) -- No default ! IBMIN = 0 !
	Second (IBSEC) -- No default ! IBSEC = 0 !
Ending date:	Year (IEYR) -- No default ! IEYR = 2007 !
	Month (IEMO) -- No default ! IEMO = 1 !
	Day (IEDY) -- No default ! IEDY = 1 !
Ending time:	Hour (IEHR) -- No default ! IEHR = 6 !

```
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Minute (IEMIN) -- No default ! IEMIN = 0 !
Second (IESEC) -- No default ! IESEC = 0 !
```

(These are only used if METRUN = 0)

```
Base time zone: (ABTZ) -- No default ! ABTZ = UTC-0400 !
(character*8)
```

The modeling domain may span multiple time zones. ABTZ defines the base time zone used for the entire simulation. This must match the base time zone of the meteorological data.

Examples:

```
Los Angeles, USA      = UTC-0800
New York, USA         = UTC-0500
Santiago, Chile      = UTC-0400
Greenwich Mean Time (GMT) = UTC+0000
Rome, Italy           = UTC+0100
Cape Town, S.Africa  = UTC+0200
Sydney, Australia    = UTC+1000
```

Length of modeling time-step (seconds)

Equal to update period in the primary meteorological data files, or an integer fraction of it (1/2, 1/3 ...)

Must be no larger than 1 hour

```
(NSECDT) Default: 3600 ! NSECDT = 3600 !
Units: seconds
```

Number of chemical species (NSPEC)

```
Default: 5 ! NSPEC = 6 !
```

Number of chemical species to be emitted (NSE)

```
Default: 3 ! NSE = 2 !
```

Flag to stop run after

SETUP phase (ITEST)

```
Default: 2 ! ITEST = 2 !
```

(Used to allow checking of the model inputs, files, etc.)

ITEST = 1 - STOPS program after SETUP phase

ITEST = 2 - Continues with execution of program after SETUP

Restart Configuration:

```
Control flag (MRESTART) Default: 0 ! MRESTART = 0 !
```

0 = Do not read or write a restart file

1 = Read a restart file at the beginning of the run

2 = Write a restart file during run

3 = Read a restart file at beginning of run and write a restart file during run

Number of periods in Restart

```
output cycle (NRESPD) Default: 0 ! NRESPD = 0 !
```

0 = File written only at last period

>0 = File updated every NRESPD periods

Meteorological Data Format (METFM)

```
Default: 1 ! METFM = 1 !
```

METFM = 1 - CALMET binary file (CALMET.MET)

METFM = 2 - ISC ASCII file (ISCMET.MET)

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METFM = 3 - AUSPLUME ASCII file (PLMMET.MET)
 METFM = 4 - CTDm plus tower file (PROFILE.DAT) and
 surface parameters file (SURFACE.DAT)
 METFM = 5 - AERMET tower file (PROFILE.DAT) and
 surface parameters file (SURFACE.DAT)

Meteorological Profile Data Format (MPRFFM)
 (used only for METFM = 1, 2, 3)
 Default: 1 ! MPRFFM = 1 !

MPRFFM = 1 - CTDm plus tower file (PROFILE.DAT)
 MPRFFM = 2 - AERMET tower file (PROFILE.DAT)

PG sigma-y is adjusted by the factor (AVET/PGTIME)**0.2
 Averaging Time (minutes) (AVET) Default: 60.0 ! AVET = 60 !
 PG Averaging Time (minutes) (PGTIME) Default: 60.0 ! PGTIME = 60 !

!END!

 INPUT GROUP: 2 -- Technical options

Vertical distribution used in the
 near field (MGAUSS) Default: 1 ! MGAUSS = 1 !
 0 = uniform
 1 = Gaussian

Terrain adjustment method
 (MCTADJ) Default: 3 ! MCTADJ = 3 !
 0 = no adjustment
 1 = ISC-type of terrain adjustment
 2 = simple, CALPUFF-type of terrain
 adjustment
 3 = partial plume path adjustment

Subgrid-scale complex terrain
 flag (MCTSG) Default: 0 ! MCTSG = 0 !
 0 = not modeled
 1 = modeled

Near-field puffs modeled as
 elongated slugs? (MSLUG) Default: 0 ! MSLUG = 0 !
 0 = no
 1 = yes (slug model used)

Transitional plume rise modeled?
 (MTRANS) Default: 1 ! MTRANS = 1 !
 0 = no (i.e., final rise only)
 1 = yes (i.e., transitional rise computed)

Stack tip downwash? (MTIP) Default: 1 ! MTIP = 1 !
 0 = no (i.e., no stack tip downwash)
 1 = yes (i.e., use stack tip downwash)

Method used to compute plume rise for
 point sources not subject to building

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downwash? (MRISE) Default: 1 ! MRISE = 1 !
 1 = Briggs plume rise
 2 = Numerical plume rise

Method used to simulate building
 downwash? (MBDW) Default: 1 ! MBDW = 2 !
 1 = ISC method
 2 = PRIME method

Vertical wind shear modeled above
 stack top? (MSHEAR) Default: 0 ! MSHEAR = 0 !
 0 = no (i.e., vertical wind shear not modeled)
 1 = yes (i.e., vertical wind shear modeled)

Puff splitting allowed? (MSPLIT) Default: 0 ! MSPLIT = 1 !
 0 = no (i.e., puffs not split)
 1 = yes (i.e., puffs are split)

Chemical mechanism flag (MCHEM) Default: 1 ! MCHEM = 6 !
 0 = chemical transformation not modeled
 1 = transformation rates computed internally (MESOPUFF II scheme)
 2 = user-specified transformation rates used
 3 = transformation rates computed internally (RIVAD/ARM3 scheme)
 4 = secondary organic aerosol formation computed (MESOPUFF II scheme for OH)
 5 = user-specified half-life with or without transfer to child species
 6 = transformation rates computed internally (Updated RIVAD scheme with ISORROPIA equilibrium)
 7 = transformation rates computed internally (Updated RIVAD scheme with ISORROPIA equilibrium and CalTech SOA)

Aqueous phase transformation flag (MAQCHEM) Default: 0 ! MAQCHEM = 1 !
 (Used only if MCHEM = 6, or 7)
 0 = aqueous phase transformation not modeled
 1 = transformation rates and wet scavenging coefficients adjusted for in-cloud aqueous phase reactions (adapted from RADM cloud model implementation in CMAQ/SCICHEM)

Liquid Water Content flag (MLWC) Default: 1 ! MLWC = 0 !
 (Used only if MAQCHEM = 1)
 0 = water content estimated from cloud cover and presence of precipitation
 1 = gridded cloud water data read from CALMET water content output files (filenames are the CALMET.DAT names PLUS the extension AUXEXT provided in Input Group 0)

Wet removal modeled ? (MWET) Default: 1 ! MWET = 0 !
 0 = no
 1 = yes

Dry deposition modeled ? (MDRY) Default: 1 ! MDRY = 0 !
 0 = no

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1 = yes
(dry deposition method specified
for each species in Input Group 3)

Gravitational settling (plume tilt)
modeled ? (MTILT) Default: 0 ! MTILT = 0 !
0 = no
1 = yes
(puff center falls at the gravitational
settling velocity for 1 particle species)

Restrictions:

- MDRY = 1
- NSPEC = 1 (must be particle species as well)
- sg = 0 GEOMETRIC STANDARD DEVIATION in Group 8 is
set to zero for a single particle diameter

Method used to compute dispersion
coefficients (MDISP) Default: 3 ! MDISP = 2 !

- 1 = dispersion coefficients computed from measured values
of turbulence, sigma v, sigma w
- 2 = dispersion coefficients from internally calculated
sigma v, sigma w using micrometeorological variables
(u*, w*, L, etc.)
- 3 = PG dispersion coefficients for RURAL areas (computed using
the ISCST multi-segment approximation) and MP coefficients in
urban areas
- 4 = same as 3 except PG coefficients computed using
the MESOPUFF II eqns.
- 5 = CTDM sigmas used for stable and neutral conditions.
For unstable conditions, sigmas are computed as in
MDISP = 3, described above. MDISP = 5 assumes that
measured values are read

Sigma-v/sigma-theta, sigma-w measurements used? (MTURBVW)
(Used only if MDISP = 1 or 5) Default: 3 ! MTURBVW = 3 !

- 1 = use sigma-v or sigma-theta measurements
from PROFILE.DAT to compute sigma-y
(valid for METFM = 1, 2, 3, 4, 5)
- 2 = use sigma-w measurements
from PROFILE.DAT to compute sigma-z
(valid for METFM = 1, 2, 3, 4, 5)
- 3 = use both sigma-(v/theta) and sigma-w
from PROFILE.DAT to compute sigma-y and sigma-z
(valid for METFM = 1, 2, 3, 4, 5)
- 4 = use sigma-theta measurements
from PLMMET.DAT to compute sigma-y
(valid only if METFM = 3)

Back-up method used to compute dispersion
when measured turbulence data are
missing (MDISP2) Default: 3 ! MDISP2 = 3 !
(used only if MDISP = 1 or 5)

- 2 = dispersion coefficients from internally calculated
sigma v, sigma w using micrometeorological variables
(u*, w*, L, etc.)
- 3 = PG dispersion coefficients for RURAL areas (computed using
the ISCST multi-segment approximation) and MP coefficients in
urban areas
- 4 = same as 3 except PG coefficients computed using
the MESOPUFF II eqns.

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[DIAGNOSTIC FEATURE]

Method used for Lagrangian timescale for Sigma-y
(used only if MDISP=1,2 or MDISP2=1,2)

(MTAULY) Default: 0 ! MTAULY = 0 !
0 = Draxler default 617.284 (s)
1 = Computed as Lag. Length / (.75 q) -- after SCIPUFF
10 <Direct user input (s) -- e.g., 306.9

[DIAGNOSTIC FEATURE]

Method used for Advective-Decay timescale for Turbulence
(used only if MDISP=2 or MDISP2=2)

(MTAUADV) Default: 0 ! MTAUADV = 0 !
0 = No turbulence advection
1 = Computed (OPTION NOT IMPLEMENTED)
10 <Direct user input (s) -- e.g., 800

Method used to compute turbulence sigma-v &
sigma-w using micrometeorological variables
(Used only if MDISP = 2 or MDISP2 = 2)

(MCTURB) Default: 1 ! MCTURB = 1 !
1 = Standard CALPUFF subroutines
2 = AERMOD subroutines

PG sigma-y,z adj. for roughness?

(MROUGH) Default: 0 ! MROUGH = 0 !
0 = no
1 = yes

Partial plume penetration of
elevated inversion modeled for
point sources?

(MPARTL) Default: 1 ! MPARTL = 1 !
0 = no
1 = yes

Partial plume penetration of
elevated inversion modeled for
buoyant area sources?

(MPARTLBA) Default: 1 ! MPARTLBA = 1 !
0 = no
1 = yes

Strength of temperature inversion
provided in PROFILE.DAT extended records?

(MTINV) Default: 0 ! MTINV = 0 !
0 = no (computed from measured/default gradients)
1 = yes

PDF used for dispersion under convective conditions?

(MPDF) Default: 0 ! MPDF = 0 !
0 = no
1 = yes

Sub-Grid TIBL module used for shore line?

(MSGTIBL) Default: 0 ! MSGTIBL = 0 !
0 = no
1 = yes

Boundary conditions (concentration) modeled? Default: 0 ! MBCON = 0 !

(MBCON)
 0 = no
 1 = yes, using formatted BCON.DAT file
 2 = yes, using unformatted CONC.DAT file

Note: MBCON > 0 requires that the last species modeled be 'BCON'. Mass is placed in species BCON when generating boundary condition puffs so that clean air entering the modeling domain can be simulated in the same way as polluted air. Specify zero emission of species BCON for all regular sources.

Individual source contributions saved? Default: 0 ! MSOURCE = 0 !

(MSOURCE)
 0 = no
 1 = yes

Analyses of fogging and icing impacts due to emissions from arrays of mechanically-forced cooling towers can be performed using CALPUFF in conjunction with a cooling tower emissions processor (CTEMISS) and its associated postprocessors. Hourly emissions of water vapor and temperature from each cooling tower cell are computed for the current cell configuration and ambient conditions by CTEMISS. CALPUFF models the dispersion of these emissions and provides cloud information in a specialized format for further analysis. Output to FOG.DAT is provided in either 'plume mode' or 'receptor mode' format.

Configure for FOG Model output? Default: 0 ! MFOG = 0 !

(MFOG)
 0 = no
 1 = yes - report results in PLUME Mode format
 2 = yes - report results in RECEPTOR Mode format

Test options specified to see if they conform to regulatory values? (MREG) Default: 1 ! MREG = 0 !

0 = NO checks are made
 1 = Technical options must conform to USEPA Long Range Transport (LRT) guidance

METFM	1 or 2
AVET	60. (min)
PGTIME	60. (min)
MGAUSS	1
MCTADJ	3
MTRANS	1
MTIP	1
MRISE	1
MCHEM	1 or 3 (if modeling SOx, NOx)
MWET	1
MDRY	1
MDISP	2 or 3
MPDF	0 if MDISP=3 1 if MDISP=2
MROUGH	0
MPARTL	1


```

                                CALPUFF.INP
MPARTLBA 0
SYTDEP 550. (m)
MHFTSZ 0
SVMIN 0.5 (m/s)

```

!END!

INPUT GROUP: 3a, 3b -- Species list

Subgroup (3a)

The following species are modeled:

```

! CSPEC =      SO2 !           !END!
! CSPEC =      SO4 !           !END!
! CSPEC =       NO !           !END!
! CSPEC =      NO2 !           !END!
! CSPEC =     HNO3 !           !END!
! CSPEC =      NO3 !           !END!

```

GROUP SPECIES NAME (Limit: 12 CGRUP, Characters CGRUP, in length)	MODELED (0=NO, 1=YES)	EMITTED (0=NO, 1=YES)	Dry			OUTPUT
			DEPOSITED (0=NO, 1=COMPUTED-GAS 2=COMPUTED-PARTICLE 3=USER-SPECIFIED)	NUMBER (0=NONE, 1=1st 2=2nd 3= etc.)		
! SO2 =	1,	0,	1,	0	!	
! SO4 =	1,	0,	2,	0	!	
! NO =	1,	1,	1,	0	!	
! NO2 =	1,	1,	1,	0	!	
! HNO3 =	1,	0,	1,	0	!	
! NO3 =	1,	0,	2,	0	!	

!END!

Note: The last species in (3a) must be 'BCON' when using the boundary condition option (MBCON > 0). Species BCON should typically be modeled as inert (no chem transformation or removal).

Subgroup (3b)

The following names are used for species-Groups in which results for certain species are combined (added) prior to output. The CGRUP name will be used as the species name in output files. Use this feature to model specific particle-size distributions by treating each size-range as a separate species. Order must be consistent with 3(a) above.

 INPUT GROUP: 4 -- Map Projection and Grid control parameters

Projection for all (X,Y):

Map projection
 (PMAP)

Default: UTM ! PMAP = UTM !

- UTM : Universal Transverse Mercator
- TTM : Tangential Transverse Mercator
- LCC : Lambert Conformal Conic
- PS : Polar Stereographic
- EM : Equatorial Mercator
- LAZA : Lambert Azimuthal Equal Area

False Easting and Northing (km) at the projection origin
 (Used only if PMAP= TTM, LCC, or LAZA)

(FEAST) Default=0.0 ! FEAST = 0 !
 (FNORTH) Default=0.0 ! FNORTH = 0 !

UTM zone (1 to 60)

(Used only if PMAP=UTM)

(IUTMZN) No Default ! IUTMZN = 20 !

Hemisphere for UTM projection?

(Used only if PMAP=UTM)

(UTMHEM) Default: N ! UTMHEM = N !

- N : Northern hemisphere projection
- S : Southern hemisphere projection

Latitude and Longitude (decimal degrees) of projection origin

(Used only if PMAP= TTM, LCC, PS, EM, or LAZA)

(RLAT0) No Default ! RLAT0 = 0N !

(RLON0) No Default ! RLON0 = 0E !

- TTM : RLON0 identifies central (true N/S) meridian of projection
 RLAT0 selected for convenience
- LCC : RLON0 identifies central (true N/S) meridian of projection
 RLAT0 selected for convenience
- PS : RLON0 identifies central (grid N/S) meridian of projection
 RLAT0 selected for convenience
- EM : RLON0 identifies central meridian of projection
 RLAT0 is REPLACED by 0.0N (Equator)
- LAZA: RLON0 identifies longitude of tangent-point of mapping plane
 RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection

(Used only if PMAP= LCC or PS)

(XLAT1) No Default ! XLAT1 = 30N !

(XLAT2) No Default ! XLAT2 = 60N !

- LCC : Projection cone slices through Earth's surface at XLAT1 and XLAT2
- PS : Projection plane slices through Earth at XLAT1
 (XLAT2 is not used)

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Note: Latitudes and longitudes should be positive, and include a letter N,S,E, or W indicating north or south latitude, and east or west longitude. For example,
 35.9 N Latitude = 35.9N
 118.7 E Longitude = 118.7E

Datum-region

 The Datum-Region for the coordinates is identified by a character string. Many mapping products currently available use the model of the Earth known as the world Geodetic System 1984 (WGS-84). Other local models may be in use, and their selection in CALMET will make its output consistent with local mapping products. The list of Datum-Regions with official transformation parameters is provided by the National Imagery and Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)

 WGS-84 WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
 NAS-C NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
 NAR-C NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
 NWS-84 NWS 6370KM Radius, Sphere
 ESR-S ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
 (DATUM) Default: WGS-84 ! DATUM = WGS-84 !

METEOROLOGICAL Grid (outermost if nested CALMET grids are used):

Rectangular grid defined for projection PMAP,
 with X the Easting and Y the Northing coordinate

No. X grid cells (NX)	No default	! NX = 80 !
No. Y grid cells (NY)	No default	! NY = 80 !
No. vertical layers (NZ)	No default	! NZ = 10 !
Grid spacing (DGRIDKM)	No default	! DGRIDKM = 1 !
	Units: km	

Cell face heights
 (ZFACE(nz+1)) No defaults
 Units: m

! ZFACE = 0.0, 20.0, 40.0, 80.0, 160.0, 320.0, 640.0, 1200.0, 2000.0, 3000.0, 4000.0 !

Reference Coordinates
 of SOUTHWEST corner of
 grid cell(1, 1):

X coordinate (XORIGKM)	No default	! XORIGKM = 645.9710 !
Y coordinate (YORIGKM)	No default	! YORIGKM = 4813.7400 !
	Units: km	

COMPUTATIONAL Grid:

The computational grid is identical to or a subset of the MET. grid. The lower left (LL) corner of the computational grid is at grid point (IBCOMP, JBCOMP) of the MET. grid. The upper right (UR) corner of the computational grid is at grid point (IECOMP, JECOMP) of the MET. grid.

The grid spacing of the computational grid is the same as the MET. grid.

X index of LL corner (IBCOMP) (1 <= IBCOMP <= NX)	No default	! IBCOMP = 1 !
Y index of LL corner (JBCOMP) (1 <= JBCOMP <= NY)	No default	! JBCOMP = 1 !
X index of UR corner (IECOMP) (1 <= IECOMP <= NX)	No default	! IECOMP = 80 !
Y index of UR corner (JECOMP) (1 <= JECOMP <= NY)	No default	! JECOMP = 80 !

SAMPLING Grid (GRIDDED RECEPTORS):

The lower left (LL) corner of the sampling grid is at grid point (IBSAMP, JBSAMP) of the MET. grid. The upper right (UR) corner of the sampling grid is at grid point (IESAMP, JESAMP) of the MET. grid. The sampling grid must be identical to or a subset of the computational grid. It may be a nested grid inside the computational grid. The grid spacing of the sampling grid is DGRIDKM/MESH DN.

Logical flag indicating if gridded receptors are used (LSAMP) (T=yes, F=no)	Default: T	! LSAMP = T !
X index of LL corner (IBSAMP) (IBCOMP <= IBSAMP <= IECOMP)	No default	! IBSAMP = 3 !
Y index of LL corner (JBSAMP) (JBCOMP <= JBSAMP <= JECOMP)	No default	! JBSAMP = 3 !
X index of UR corner (IESAMP) (IBCOMP <= IESAMP <= IECOMP)	No default	! IESAMP = 77 !
Y index of UR corner (JESAMP) (JBCOMP <= JESAMP <= JECOMP)	No default	! JESAMP = 77 !
Nesting factor of the sampling grid (MESH DN) (MESH DN is an integer >= 1)	Default: 1	! MESH DN = 1 !

!END!

 INPUT GROUP: 5 -- Output Options

FILE	DEFAULT VALUE	VALUE THIS RUN
----	-----	-----
Concentrations (ICON)	1	! ICON = 1 !
Dry Fluxes (IDRY)	1	! IDRY = 0 !
Wet Fluxes (IWET)	1	! IWET = 0 !

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2D Temperature (IT2D)	0	! IT2D = 0 !
2D Density (IRHO)	0	! IRHO = 0 !
Relative Humidity (IVIS)	1	! IVIS = 0 !
(relative humidity file is required for visibility analysis)		
Use data compression option in output file? (LCOMPRS)	Default: T	! LCOMPRS = F !

*
0 = Do not create file, 1 = create file

QA PLOT FILE OUTPUT OPTION:

Create a standard series of output files (e.g. locations of sources, receptors, grids ...) suitable for plotting?
(IQAPLOT) Default: 1 ! IQAPLOT = 1 !
0 = no
1 = yes

DIAGNOSTIC PUFF-TRACKING OUTPUT OPTION:

Puff locations and properties reported to PFTRAK.DAT file for postprocessing?
(IPFTRAK) Default: 0 ! IPFTRAK = 0 !
0 = no
1 = yes, update puff output at end of each timestep
2 = yes, update puff output at end of each sampling step

DIAGNOSTIC MASS FLUX OUTPUT OPTIONS:

Mass flux across specified boundaries for selected species reported?
(IMFLX) Default: 0 ! IMFLX = 0 !
0 = no
1 = yes (FLUXBDY.DAT and MASSFLX.DAT filenames are specified in Input Group 0)

Mass balance for each species reported?
(IMBAL) Default: 0 ! IMBAL = 1 !
0 = no
1 = yes (MASSBAL.DAT filename is specified in Input Group 0)

NUMERICAL RISE OUTPUT OPTION:

Create a file with plume properties for each rise increment, for each model timestep? This applies to sources modeled with numerical rise and is limited to ONE source in the run.
(INRISE) Default: 0 ! INRISE = 0 !
0 = no
1 = yes (RISE.DAT filename is specified in Input Group 0)

LINE PRINTER OUTPUT OPTIONS:

Print concentrations (ICPRT) Default: 0 ! ICPRT = 0 !

CALPUFF.INP
 Print dry fluxes (IDPRT) Default: 0 ! IDPRT = 0 !
 Print wet fluxes (IWPRT) Default: 0 ! IWPRT = 0 !
 (0 = Do not print, 1 = Print)

Concentration print interval (ICFRQ) in timesteps Default: 1 ! ICFRQ = 1 !
 Dry flux print interval (IDFRQ) in timesteps Default: 1 ! IDFRQ = 1 !
 Wet flux print interval (IWFRQ) in timesteps Default: 1 ! IWFRQ = 1 !

Units for Line Printer Output (IPRTU) Default: 1 ! IPRTU = 3 !

	for	for
	Concentration	Deposition
1 =	g/m**3	g/m**2/s
2 =	mg/m**3	mg/m**2/s
3 =	ug/m**3	ug/m**2/s
4 =	ng/m**3	ng/m**2/s
5 =	Odour Units	

Messages tracking progress of run written to the screen ? (IMESG) Default: 2 ! IMESG = 2 !
 0 = no
 1 = yes (advection step, puff ID)
 2 = yes (YYYYJJJHH, # old puffs, # emitted puffs)

SPECIES (or GROUP for combined species) LIST FOR OUTPUT OPTIONS

FLUXES	----	CONCENTRATIONS	----	-----	DRY FLUXES	-----	-----	WET
SPECIES	---	MASS FLUX	--					
/GROUP		PRINTED?	SAVED ON DISK?		PRINTED?	SAVED ON DISK?		PRINTED?
SAVED ON DISK?		SAVED ON DISK?						
!	SO2 =	1,	1,		1,	0,		1,
0,	0 !							
!	SO4 =	1,	1,		1,	0,		1,
0,	0 !							
!	NO =	1,	1,		1,	0,		1,
0,	0 !							
!	NO2 =	1,	1,		1,	0,		1,
0,	0 !							
!	HNO3 =	1,	1,		1,	0,		1,
0,	0 !							
!	NO3 =	1,	1,		1,	0,		1,
0,	0 !							

Note: Species BCON (for MBCON > 0) does not need to be saved on disk.

OPTIONS FOR PRINTING "DEBUG" QUANTITIES (much output)

Logical for debug output (LDEBUG) Default: F ! LDEBUG = F !
 First puff to track (IPFDEB) Default: 1 ! IPFDEB = 1 !

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Number of puffs to track (NPFDEB) Default: 1 ! NPFDEB = 1000 !
 Met. period to start output (NN1) Default: 1 ! NN1 = 1 !
 Met. period to end output (NN2) Default: 10 ! NN2 = 10 !

!END!

INPUT GROUP: 6a, 6b, & 6c -- Subgrid scale complex terrain inputs

Subgroup (6a)

Number of terrain features (NHILL) Default: 0 ! NHILL = 0 !
 Number of special complex terrain receptors (NCTREC) Default: 0 ! NCTREC = 0 !
 Terrain and CTSG Receptor data for CTSG hills input in CTDM format ? (MHILL) No Default ! MHILL = 2 !
 1 = Hill and Receptor data created by CTDM processors & read from HILL.DAT and HILLRCT.DAT files
 2 = Hill data created by OPTHILL & input below in Subgroup (6b); Receptor data in Subgroup (6c)
 Factor to convert horizontal dimensions to meters (MHILL=1) Default: 1.0 ! XHILL2M = 1.0 !
 Factor to convert vertical dimensions to meters (MHILL=1) Default: 1.0 ! ZHILL2M = 1.0 !
 X-origin of CTDM system relative to CALPUFF coordinate system, in Kilometers No Default (MHILL=1) ! XCTDMKM = 0.0 !
 Y-origin of CTDM system relative to CALPUFF coordinate system, in Kilometers No Default (MHILL=1) ! YCTDMKM = 0.0 !

! END !

Subgroup (6b)

HILL information 1 **

HILL 1 NO.	SCALE 2 (m)	XC AMAX1 (km) (m)	YC AMAX2 (km) (m)	THETAH (deg.)	ZGRID (m)	RELIEF (m)	EXPO 1 (m)	EXPO 2 (m)	SCALE (m)
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

 Subgroup (6c)

COMPLEX TERRAIN RECEPTOR INFORMATION

XRCT (km)	YRCT (km)	ZRCT (m)	XHH
-----	-----	-----	-----

1

Description of Complex Terrain Variables:

- XC, YC = Coordinates of center of hill
- THETAH = Orientation of major axis of hill (clockwise from North)
- ZGRID = Height of the 0 of the grid above mean sea level
- RELIEF = Height of the crest of the hill above the grid elevation
- EXPO 1 = Hill-shape exponent for the major axis
- EXPO 2 = Hill-shape exponent for the minor axis
- SCALE 1 = Horizontal length scale along the major axis
- SCALE 2 = Horizontal length scale along the minor axis
- AMAX = Maximum allowed axis length for the major axis
- BMAX = Maximum allowed axis length for the minor axis

- XRCT, YRCT = Coordinates of the complex terrain receptors
- ZRCT = Height of the ground (MSL) at the complex terrain Receptor
- XHH = Hill number associated with each complex terrain receptor
 (NOTE: MUST BE ENTERED AS A REAL NUMBER)

**

NOTE: DATA for each hill and CTSG receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

 INPUT GROUP: 7 -- Chemical parameters for dry deposition of gases

SPECIES RESISTANCE NAME (dimensionless)	DIFFUSIVITY HENRY'S LAW COEFFICIENT (cm**2/s)	ALPHA STAR	REACTIVITY	MESOPHYLL (s/cm)
-----	-----	-----	-----	

* DRYGAS = *

!END!

 INPUT GROUP: 8 -- Size parameters for dry deposition of particles

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For SINGLE SPECIES, the mean and standard deviation are used to compute a deposition velocity for NINT (see group 9) size-ranges, and these are then averaged to obtain a mean deposition velocity.

For GROUPED SPECIES, the size distribution should be explicitly specified (by the 'species' in the group), and the standard deviation for each should be entered as 0. The model will then use the deposition velocity for the stated mean diameter.

SPECIES NAME	GEOMETRIC MASS MEAN DIAMETER (microns)	GEOMETRIC STANDARD DEVIATION (microns)
-----------------	--	--

* DRYPART = *
!END!

INPUT GROUP: 9 -- Miscellaneous dry deposition parameters

Reference cuticle resistance (s/cm) (RCUTR) Default: 30 ! RCUTR = 30 !
 Reference ground resistance (s/cm) (RGR) Default: 10 ! RGR = 10 !
 Reference pollutant reactivity (REACTR) Default: 8 ! REACTR = 8 !

Number of particle-size intervals used to evaluate effective particle deposition velocity (NINT) Default: 9 ! NINT = 9 !

Vegetation state in unirrigated areas (IVEG) Default: 1 ! IVEG = 1 !
 IVEG=1 for active and unstressed vegetation
 IVEG=2 for active and stressed vegetation
 IVEG=3 for inactive vegetation

!END!

INPUT GROUP: 10 -- Wet Deposition Parameters

Scavenging Coefficient -- Units: (sec)**(-1)

Pollutant	Liquid Precip.	Frozen Precip.
-----------	----------------	----------------

* WETDEPOS = *
!END!

INPUT GROUP: 11a, 11b -- Chemistry Parameters

 Subgroup (11a)

Several parameters are needed for one or more of the chemical transformation mechanisms. Those used for each mechanism are:

Mechanism (MCHEM)	M			B			R			C			O			N		
	Z	3	3	3	3	1	2	3	2	2	2	F	C	X	Y			
0 None
1 MESOPUFF II	X	X	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.
2 User Rates	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 RIVAD	X	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
4 SOA	X	X	.	.	.	.	.	.	.	.	.	X	X	X	.	.	.
5 Radioactive Decay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
6 RIVAD/ISORRPIA	X	X	X	X	X	X	.	.	X	X	.	.	.	.	.	.	.
7 RIVAD/ISORRPIA/SOA	X	X	X	X	X	X	.	.	X	X	X	X	X	.	.	.	.

Ozone data input option (MOZ) Default: 1 ! MOZ = 0 !
 (Used only if MCHEM = 1,3,4,6 or 7)
 0 = use a monthly background ozone value
 1 = read hourly ozone concentrations from the OZONE.DAT data file

Monthly ozone concentrations in ppb (BCKO3)
 (Used only if MCHEM = 1,3,4,6, or 7 and either
 MOZ = 0, or
 MOZ = 1 and all hourly O3 data missing)
 Default: 12*80.
 ! BCKO3 = 32, 34, 37, 38, 32, 26, 23, 21, 23, 25, 28, 31 !

Ammonia data option (MNH3) Default: 0 ! MNH3 = 0 !
 (Used only if MCHEM = 6 or 7)
 0 = use monthly background ammonia values (BCKNH3) - no vertical variation
 1 = read monthly background ammonia values for each layer from the NH3Z.DAT data file

Ammonia vertical averaging option (MAVGNH3)
 (Used only if MCHEM = 6 or 7, and MNH3 = 1)
 0 = use NH3 at puff center height (no averaging is done)
 1 = average NH3 values over vertical extent of puff
 Default: 1 ! MAVGNH3 = 1 !

Monthly ammonia concentrations in ppb (BCKNH3)
 (Used only if MCHEM = 1 or 3, or
 if MCHEM = 6 or 7, and MNH3 = 0)
 Default: 12*10.
 ! BCKNH3 = 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5 !

Nighttime SO2 loss rate in %/hour (RNITE1)
 (Used only if MCHEM = 1, 6 or 7)
 This rate is used only at night for MCHEM=1
 and is added to the computed rate both day
 and night for MCHEM=6,7 (heterogeneous reactions)
 Default: 0.2 ! RNITE1 = 0.2 !

CALPUFF.INP

Nighttime NOx loss rate in %/hour (RNITE2)
 (Used only if MCHEM = 1) Default: 2.0 ! RNITE2 = 2 !

Nighttime HNO3 formation rate in %/hour (RNITE3)
 (Used only if MCHEM = 1) Default: 2.0 ! RNITE3 = 2 !

H2O2 data input option (MH2O2) Default: 1 ! MH2O2 = 0 !
 (Used only if MCHEM = 6 or 7, and MAQCHEM = 1)
 0 = use a monthly background H2O2 value
 1 = read hourly H2O2 concentrations from
 the H2O2.DAT data file

Monthly H2O2 concentrations in ppb (BCKH2O2)
 (Used only if MQACHEM = 1 and either
 MH2O2 = 0 or
 MH2O2 = 1 and all hourly H2O2 data missing)
 Default: 12*1.
 ! BCKH2O2 = 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2 !

--- Data for SECONDARY ORGANIC AEROSOL (SOA) Options
 (used only if MCHEM = 4 or 7)

The MCHEM = 4 SOA module uses monthly values of:
 Fine particulate concentration in ug/m³ (BCKPMF)
 Organic fraction of fine particulate (OFRAC)
 VOC / NOX ratio (after reaction) (VCNX)

The MCHEM = 7 SOA module uses monthly values of:
 Fine particulate concentration in ug/m³ (BCKPMF)
 Organic fraction of fine particulate (OFRAC)

These characterize the air mass when computing
 the formation of SOA from VOC emissions.
 Typical values for several distinct air mass types are:

Month	1	2	3	4	5	6	7	8	9	10	11	12
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clean Continental												
BCKPMF	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
OFRAC	.15	.15	.20	.20	.20	.20	.20	.20	.20	.20	.20	.15
VCNX	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Clean Marine (surface)												
BCKPMF	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
OFRAC	.25	.25	.30	.30	.30	.30	.30	.30	.30	.30	.30	.25
VCNX	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Urban - low biogenic (controls present)												
BCKPMF	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
OFRAC	.20	.20	.25	.25	.25	.25	.25	.25	.20	.20	.20	.20
VCNX	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
Urban - high biogenic (controls present)												
BCKPMF	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
OFRAC	.25	.25	.30	.30	.30	.55	.55	.55	.35	.35	.35	.25
VCNX	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
Regional Plume												
BCKPMF	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.

```

                                CALPUFF.INP
OFRAC  .20  .20  .25  .35  .25  .40  .40  .40  .30  .30  .30  .20
VCNX   15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

```

Urban - no controls present

```

BCKPMF 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
OFRAC  .30  .30  .35  .35  .35  .55  .55  .55  .35  .35  .35  .30
VCNX   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.

```

Default: Clean Continental

```

! BCKPMF = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00,
1.00 !
! OFRAC = 0.15, 0.15, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20,
0.15 !
! VCNX = 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00,
50.00, 50.00 !

```

--- End Data for SECONDARY ORGANIC AEROSOL (SOA) Options

Number of half-life decay specification blocks provided in subgroup 11b

(Used only if MCHEM = 5)

(NDECAY)

Default: 0

! NDECAY = 0 !

!END!

Subgroup (11b)

Each species modeled may be assigned a decay half-life (sec), and the associated mass lost may be assigned to one or more other modeled species using a mass yield factor. This information is used only for MCHEM=5.

Provide NDECAY blocks assigning the half-life for a parent species and mass yield factors for each child species (if any) produced by the decay. Set HALF_LIFE=0.0 for NO decay (infinite half-life).

SPECIES NAME	Half-Life ^a (sec)	Mass Yield ^b Factor
-----	-----	-----

* SPECHLLIST = *

a Specify a half life that is greater than or equal to zero for 1 parent species in each block, and set the yield factor for this species to -1

b Specify a yield factor that is greater than or equal to zero for 1 or more child species in each block, and set the half-life for each of these species to -1

NOTE: Assignments in each block are treated as a separate input subgroup and therefore must end with an input group terminator. If NDECAY=0, no assignments and input group terminators should appear.

INPUT GROUP: 12 -- Misc. Dispersion and Computational Parameters

Horizontal size of puff (m) beyond which time-dependent dispersion equations (Heffter) are used to determine sigma-y and sigma-z (SYTDEP) Default: 550. ! SYTDEP = 550 !

Switch for using Heffter equation for sigma z as above (0 = Not use Heffter; 1 = use Heffter (MHFTSZ) Default: 0 ! MHFTSZ = 0 !

Stability class used to determine plume growth rates for puffs above the boundary layer (JSUP) Default: 5 ! JSUP = 5 !

Vertical dispersion constant for stable conditions (k1 in Eqn. 2.7-3) (CONK1) Default: 0.01 ! CONK1 = 0.01 !

Vertical dispersion constant for neutral/unstable conditions (k2 in Eqn. 2.7-4) (CONK2) Default: 0.1 ! CONK2 = 0.1 !

Factor for determining Transition-point from Schulman-Scire to Huber-Snyder Building Downwash scheme (SS used for $H_s < H_b + TBD * H_L$) (TBD) Default: 0.5 ! TBD = 0.5 !
 TBD < 0 ==> always use Huber-Snyder
 TBD = 1.5 ==> always use Schulman-Scire
 TBD = 0.5 ==> ISC Transition-point

Range of land use categories for which urban dispersion is assumed (IURB1, IURB2) Default: 10 ! IURB1 = 10 !
 19 ! IURB2 = 19 !

Site characterization parameters for single-point Met data files -----
 (needed for METFM = 2,3,4,5)

Land use category for modeling domain (ILANDUIN) Default: 20 ! ILANDUIN = 20 !

Roughness length (m) for modeling domain (Z0IN) Default: 0.25 ! Z0IN = .25 !

Leaf area index for modeling domain (XLAIIN) Default: 3.0 ! XLAIIN = 3.0 !

Elevation above sea level (m) (ELEVIN) Default: 0.0 ! ELEVIN = .0 !

Latitude (degrees) for met location (XLATIN) Default: -999. ! XLATIN = -999.0 !

Longitude (degrees) for met location (XLONIN) Default: -999. ! XLONIN = -999.0 !

Specialized information for interpreting single-point Met data files -----

Anemometer height (m) (Used only if METFM = 2,3) (ANEMHT) Default: 10. ! ANEMHT = 10.0 !

Form of lateral turbulence data in PROFILE.DAT file

CALPUFF.INP

(Used only if METFM = 4,5 or MTURBVW = 1 or 3)
 (ISIGMAV) Default: 1 ! ISIGMAV = 1 !
 0 = read sigma-theta
 1 = read sigma-v

Choice of mixing heights (Used only if METFM = 4)
 (IMIXCTDM) Default: 0 ! IMIXCTDM = 0 !
 0 = read PREDICTED mixing heights
 1 = read OBSERVED mixing heights

Maximum length of a slug (met. grid units)
 (XMXLEN) Default: 1.0 ! XMXLEN = 1 !

Maximum travel distance of a puff/slug (in
 grid units) during one sampling step
 (XSAMLEN) Default: 1.0 ! XSAMLEN = 1 !

Maximum Number of slugs/puffs release from
 one source during one time step
 (MXNEW) Default: 99 ! MXNEW = 99 !

Maximum Number of sampling steps for
 one puff/slug during one time step
 (MXSAM) Default: 99 ! MXSAM = 99 !

Number of iterations used when computing
 the transport wind for a sampling step
 that includes gradual rise (for CALMET
 and PROFILE winds)
 (NCOUNT) Default: 2 ! NCOUNT = 2 !

Minimum sigma y for a new puff/slug (m)
 (SYMIN) Default: 1.0 ! SYMIN = 1 !

Minimum sigma z for a new puff/slug (m)
 (SZMIN) Default: 1.0 ! SZMIN = 1 !

Maximum sigma z (m) allowed to avoid
 numerical problem in calculating virtual
 time or distance. Cap should be large
 enough to have no influence on normal events.
 Enter a negative cap to disable.
 (SZCAP_M) Default: 5.0e06 ! SZCAP_M = 5000000

!

Default minimum turbulence velocities sigma-v and sigma-w
 for each stability class over land and over water (m/s)
 (SVMIN(12) and SWMIN(12))

Stab Class :	LAND						WATER					
	A	B	C	D	E	F	A	B	C	D	E	F
Default SVMIN :	.50,	.50,	.50,	.50,	.50,	.50,	.37,	.37,	.37,	.37,	.37,	.37,
Default SWMIN :	.20,	.12,	.08,	.06,	.03,	.016,	.20,	.12,	.08,	.06,	.03,	

.016

! SVMIN = 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.37, 0.37, 0.37, 0.37, 0.37,
 0.37 !
 ! SWMIN = 0.2, 0.12, 0.08, 0.06, 0.03, 0.016, 0.2, 0.12, 0.08, 0.06,
 0.03, 0.016 !

Divergence criterion for dw/dz across puff
 used to initiate adjustment for horizontal

CALPUFF.INP

convergence (1/s)
 Partial adjustment starts at CDIV(1), and
 full adjustment is reached at CDIV(2)
 (CDIV(2)) Default: 0.0,0.0 ! CDIV = 0, 0 !

Search radius (number of cells) for nearest
 land and water cells used in the subgrid
 TIBL module
 (NLUTIBL) Default: 4 ! NLUTIBL = 4 !

Minimum wind speed (m/s) allowed for
 non-calm conditions. Also used as minimum
 speed returned when using power-law
 extrapolation toward surface
 (WSCALM) Default: 0.5 ! WSCALM = 0.5 !

Maximum mixing height (m)
 (XMAXZI) Default: 3000. ! XMAXZI = 3000 !

Minimum mixing height (m)
 (XMINZI) Default: 50. ! XMINZI = 50 !

Default wind speed classes --
 5 upper bounds (m/s) are entered;
 the 6th class has no upper limit
 (WSCAT(5)) Default :
 ISC RURAL : 1.54, 3.09, 5.14, 8.23, 10.8

(10.8+)

wind speed class : 1 2 3 4 5

 ! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.8 !

Default wind speed profile power-law
 exponents for stabilities 1-6
 (PLX0(6)) Default : ISC RURAL values
 ISC RURAL : .07, .07, .10, .15, .35, .55
 ISC URBAN : .15, .15, .20, .25, .30, .30

Stability Class : A B C D E F

 ! PLX0 = 0.07, 0.07, 0.1, 0.15, 0.35, 0.55 !

Default potential temperature gradient
 for stable classes E, F (degK/m)
 (PTG0(2)) Default: 0.020, 0.035
 ! PTG0 = 0.02, 0.035 !

Default plume path coefficients for
 each stability class (used when option
 for partial plume height terrain adjustment
 is selected -- MCTADJ=3)
 (PPC(6)) Stability Class : A B C D E F
 Default PPC : .50, .50, .50, .50, .35, .35

 ! PPC = 0.5, 0.5, 0.5, 0.5, 0.35, 0.35 !

Slug-to-puff transition criterion factor
 equal to sigma-y/length of slug
 (SL2PF) Default: 10. ! SL2PF = 10 !

Puff-splitting control variables -----

VERTICAL SPLIT

Number of puffs that result every time a puff
is split - nsplit=2 means that 1 puff splits
into 2
(NSPLIT) Default: 3 ! NSPLIT = 3 !

Time(s) of a day when split puffs are eligible to
be split once again; this is typically set once
per day, around sunset before nocturnal shear develops.
24 values: 0 is midnight (00:00) and 23 is 11 PM (23:00)
0=do not re-split 1=eligible for re-split
(IRESPLIT(24)) Default: Hour 17 = 1
! IRESPLIT = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0 !

Split is allowed only if last hour's mixing
height (m) exceeds a minimum value
(ZISPLIT) Default: 100. ! ZISPLIT = 100 !

Split is allowed only if ratio of last hour's
mixing ht to the maximum mixing ht experienced
by the puff is less than a maximum value (this
postpones a split until a nocturnal layer develops)
(ROLDMAX) Default: 0.25 ! ROLDMAX = 0.25 !

HORIZONTAL SPLIT

Number of puffs that result every time a puff
is split - nsplith=5 means that 1 puff splits
into 5
(NSPLITH) Default: 5 ! NSPLITH = 5 !

Minimum sigma-y (Grid Cells Units) of puff
before it may be split
(SYSPLITH) Default: 1.0 ! SYSPLITH = 1 !

Minimum puff elongation rate (SYSPLITH/hr) due to
wind shear, before it may be split
(SHSPLITH) Default: 2. ! SHSPLITH = 2 !

Minimum concentration (g/m^3) of each
species in puff before it may be split
Enter array of NSPEC values; if a single value is
entered, it will be used for ALL species
(CNSPLITH) Default: 1.0E-07 ! CNSPLITH = 0 !

Integration control variables -----

Fractional convergence criterion for numerical SLUG
sampling integration
(EPSSLUG) Default: 1.0e-04 ! EPSSLUG = 0.0001 !

Fractional convergence criterion for numerical AREA
source integration
(EPSAREA) Default: 1.0e-06 ! EPSAREA = 1E-6 !

Trajectory step-length (m) used for numerical rise
integration
(DSRISE) Default: 1.0 ! DSRISE = 1 !

Boundary Condition (BC) Puff control variables -----

Minimum height (m) to which BC puffs are mixed as they are emitted
(MBCON=2 ONLY). Actual height is reset to the current mixing height
at the release point if greater than this minimum.
(HTMINBC) Default: 500. * HTMINBC = *

Search radius (km) about a receptor for sampling nearest BC puff.
BC puffs are typically emitted with a spacing of one grid cell
length, so the search radius should be greater than DGRIDKM.
(RSAMPBC) Default: 10. * RSAMPBC = *

Near-surface depletion adjustment to concentration profile used when
sampling BC puffs?

(MDEPBC) Default: 1 * MDEPBC = *
0 = Concentration is NOT adjusted for depletion
1 = Adjust Concentration for depletion

!END!

INPUT GROUPS: 13a, 13b, 13c, 13d -- Point source parameters

Subgroup (13a)

Number of point sources with
parameters provided below (NPT1) No default ! NPT1 = 5 !

Units used for point source
emissions below (IPTU) Default: 1 ! IPTU = 1 !

1 = g/s
2 = kg/hr
3 = lb/hr
4 = tons/yr
5 = Odour Unit * m³/s (vol. flux of odour compound)
6 = Odour Unit * m³/min
7 = metric tons/yr

Number of source-species
combinations with variable
emissions scaling factors
provided below in (13d) (NSPT1) Default: 0 ! NSPT1 = 0 !

Number of point sources with
variable emission parameters
provided in external file (NPT2) No default ! NPT2 = 0 !

(If NPT2 > 0, these point
source emissions are read from
the file: PTEMARB.DAT)

!END!

Subgroup (13b)

POINT SOURCE: CONSTANT DATA

b

C Source Emission No. Rates	X Coordinate (km)	Y Coordinate (km)	Stack Height (m)	Base Elevation (m)	Stack Diameter (m)	Exit Vel. (m/s)	Exit Temp. (deg. K)	Bldg. Dwash
1 !	685.953,	4853.748,	44.41,	24.17,	1.5,	62.1,	754.0,	1.0,
0,	0,	13.08,						
	19.62,	0,						
1 !	ZPLTFM = 0.0 !							
1 !	FMFAC = 1.0 ! !END!							
2 !	685.955,	4853.742,	44.41,	24.17,	1.5,	62.1,	754.0,	1.0,
0,	0,	13.08,						
	19.62,	0,						
2 !	ZPLTFM = 0.0 !							
2 !	FMFAC = 1.0 ! !END!							
3 !	685.962,	4853.752,	44.41,	24.17,	1.5,	62.1,	754.0,	1.0,
0,	0,	13.08,						
	19.62,	0,						
3 !	ZPLTFM = 0.0 !							
3 !	FMFAC = 1.0 ! !END!							
4 !	685.964,	4853.746,	44.41,	24.17,	1.5,	62.1,	754.0,	1.0,
0,	0,	0,						
	0,	0,						
4 !	ZPLTFM = 0.0 !							
4 !	FMFAC = 1.0 ! !END!							
5 !	686.005,	4853.715,	108.2,	24.17,	12.6,	0.2,	1273.0,	1.0,
0,	0,	0.486,						
	0.054,	0,						
5 !	ZPLTFM = 0.0 !							
5 !	FMFAC = 1.0 ! !END!							

a

Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

- SRCNAM is a 12-character name for a source (No default)
- X is an array holding the source data listed by the column headings (No default)
- SIGYZI is an array holding the initial sigma-y and sigma-z (m) (Default: 0.,0.)
- FMFAC is a vertical momentum flux factor (0. or 1.0) used to represent the effect of rain-caps or other physical configurations that reduce momentum rise associated with the actual exit velocity. (Default: 1.0 -- full momentum used)

ZPLTFM is the platform height (m) for sources influenced by an isolated structure that has a significant open area between the surface and the bulk of the structure, such as an offshore oil platform. The Base Elevation is that of the surface (ground or ocean), and the Stack Height is the release height above the Base (not above the platform). Building heights entered in Subgroup 13c must be those of the buildings on the platform, measured from the platform deck. ZPLTFM is used only with MBDW=1 (ISC downwash method) for sources with building downwash. (Default: 0.0)

- b
- 0. = No building downwash modeled
 - 1. = Downwash modeled for buildings resting on the surface
 - 2. = Downwash modeled for buildings raised above the surface (ZPLTFM > 0.)
- NOTE: must be entered as a REAL number (i.e., with decimal point)

c

An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IPTU (e.g. 1 for g/s).

 Subgroup (13c)

BUILDING DIMENSION DATA FOR SOURCES SUBJECT TO DOWNWASH

Source No. Effective building height, width, length and X/Y offset (in meters) every 10 degrees. LENGTH, XBADJ, and YBADJ are only needed for MBDW=2 (PRIME downwash option) ^a

1 ! SRCNAM = SRC_1 !						
1 ! HEIGHT =	36.90,	36.90,	36.90,	36.90,	29.40,	26.50,
	26.40,	26.50,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	29.40,	26.50,
	26.40,	26.50,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90 !
1 ! WIDTH =	43.18,	38.06,	31.79,	24.55,	28.46,	31.46,
	34.34,	33.29,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99,
	43.18,	38.06,	31.79,	24.55,	28.46,	31.46,
	34.34,	33.29,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99 !
1 ! LENGTH =	27.05,	33.99,	39.90,	44.60,	51.85,	48.36,
	51.69,	49.46,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28,
	27.05,	33.99,	39.90,	44.60,	51.85,	48.36,
	51.69,	49.46,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28 !
1 ! XBADJ =	-18.14,	-18.14,	-17.59,	-16.51,	-18.74,	-6.99,
	-10.69,	-8.39,	-5.12,	-2.00,	1.07,	4.11,
	7.03,	9.73,	12.13,	12.67,	5.58,	-1.69,
	-8.90,	-15.85,	-22.31,	-28.09,	-33.11,	-41.37,
	-41.01,	-41.08,	-46.79,	-41.18,	-39.14,	-35.90,
	-31.57,	-26.29,	-20.20,	-14.91,	-16.50,	-17.59 !
1 ! YBADJ =	-19.59,	-20.10,	-20.01,	-19.30,	-23.88,	-0.52,
	-29.78,	5.47,	-13.69,	-4.62,	-1.15,	2.36,
	5.79,	9.05,	12.03,	14.64,	16.82,	18.49,

CALPUFF.INP

19.59,	20.10,	20.01,	19.30,	23.88,	0.52,
29.78,	-5.47,	13.69,	4.62,	1.15,	-2.36,
-5.79,	-9.05,	-12.03,	-14.64,	-16.82,	-18.49 !

!END!

2 ! SRCNAM = SRC_2 !					
2 ! HEIGHT =	36.90,	36.90,	36.90,	36.90,	29.40,
	26.40,	26.50,	29.40,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	29.40,
	26.40,	26.50,	29.40,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90 !
2 ! WIDTH =	43.18,	38.06,	31.79,	24.55,	28.46,
	34.34,	33.29,	30.89,	27.05,	33.99,
	44.60,	47.95,	49.83,	50.25,	49.37,
	43.18,	38.06,	31.79,	24.55,	28.46,
	34.34,	33.29,	30.89,	27.05,	33.99,
	44.60,	47.95,	49.83,	50.25,	49.37,
2 ! LENGTH =	27.05,	33.99,	39.90,	44.60,	51.85,
	51.69,	49.46,	51.91,	43.18,	38.06,
	24.55,	16.56,	8.07,	2.24,	10.93,
	27.05,	33.99,	39.90,	44.60,	51.85,
	51.69,	49.46,	51.91,	43.18,	38.06,
	24.55,	16.56,	8.07,	2.24,	10.93,
2 ! XBADJ =	-12.58,	-13.19,	-13.40,	-13.20,	-16.41,
	-10.51,	-9.31,	-7.12,	-5.01,	-2.86,
	1.64,	3.84,	5.93,	6.35,	-0.68,
	-14.47,	-20.80,	-26.50,	-31.40,	-35.43,
	-41.18,	-40.15,	-44.79,	-38.17,	-35.21,
	-26.18,	-20.41,	-14.01,	-8.59,	-10.25,
2 ! YBADJ =	-16.58,	-16.17,	-15.27,	-13.91,	-18.00,
	-23.45,	11.73,	-7.69,	0.94,	3.81,
	9.10,	11.37,	13.30,	14.81,	15.89,
	16.58,	16.17,	15.27,	13.91,	18.00,
	23.45,	-11.73,	7.69,	-0.94,	-3.81,
	-9.10,	-11.37,	-13.30,	-14.81,	-15.89,

!END!

3 ! SRCNAM = SRC_3 !					
3 ! HEIGHT =	36.90,	36.90,	36.90,	36.90,	29.40,
	26.50,	26.50,	29.40,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	29.40,
	26.50,	26.50,	29.40,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90 !
3 ! WIDTH =	43.18,	38.06,	31.79,	24.55,	28.46,
	25.95,	33.29,	30.89,	27.05,	33.99,
	44.60,	47.95,	49.83,	50.25,	49.37,
	43.18,	38.06,	31.79,	24.55,	28.46,
	25.95,	33.29,	30.89,	27.05,	33.99,
	44.60,	47.95,	49.83,	50.25,	49.37,
3 ! LENGTH =	27.05,	33.99,	39.90,	44.60,	51.85,
	46.03,	49.46,	51.91,	43.18,	38.06,
	24.55,	16.56,	8.07,	2.24,	10.93,
	27.05,	33.99,	39.90,	44.60,	51.85,
	46.03,	49.46,	51.91,	43.18,	38.06,
	24.55,	16.56,	8.07,	2.24,	10.93,
3 ! XBADJ =	-23.64,	-24.98,	-25.56,	-25.36,	-28.20,
	-15.80,	-17.94,	-14.12,	-10.17,	-6.02,
	2.70,	7.00,	11.09,	13.35,	7.95,
	-3.40,	-9.01,	-14.34,	-19.24,	-23.64,
	-30.22,	-31.52,	-37.79,	-33.02,	-32.05,
	-27.25,	-23.57,	-19.17,	-15.60,	-18.88,
3 ! YBADJ =	-11.42,	-13.02,	-14.21,	-14.98,	-21.16,
	1.88,	3.10,	-17.69,	-10.12,	-7.99,

CALPUFF.INP

-3.06,	-0.42,	2.24,	4.81,	7.26,	9.49,
11.42,	13.02,	14.21,	14.98,	21.16,	-0.52,
-1.88,	-3.10,	17.69,	10.12,	7.99,	5.61,
3.06,	0.42,	-2.24,	-4.81,	-7.26,	-9.49 !

!END!

4 ! SRCNAM = SRC_4 !

4 ! HEIGHT =	36.90,	36.90,	36.90,	36.90,	29.40,	26.50,
	26.40,	26.50,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	29.40,	26.50,
	26.40,	26.50,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90 !
4 ! WIDTH =	43.18,	38.06,	31.79,	24.55,	28.46,	31.46,
	34.34,	33.29,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99,
	43.18,	38.06,	31.79,	24.55,	28.46,	31.46,
	34.34,	33.29,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99 !
4 ! LENGTH =	27.05,	33.99,	39.90,	44.60,	51.85,	48.36,
	51.69,	49.46,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28,
	27.05,	33.99,	39.90,	44.60,	51.85,	48.36,
	51.69,	49.46,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28 !
4 ! XBADJ =	-18.08,	-20.03,	-21.36,	-22.05,	-25.88,	-15.52,
	-20.34,	-18.87,	-16.12,	-13.18,	-9.95,	-6.42,
	-2.69,	1.12,	4.90,	7.03,	1.70,	-3.69,
	-8.96,	-13.96,	-18.54,	-22.55,	-25.97,	-32.85,
	-31.35,	-30.59,	-35.79,	-30.00,	-28.12,	-25.37,
	-21.86,	-17.68,	-12.97,	-9.27,	-12.62,	-15.59 !
4 ! YBADJ =	-8.41,	-9.08,	-9.48,	-9.59,	-15.28,	6.71,
	-24.13,	9.35,	-11.69,	-4.56,	-3.03,	-1.41,
	0.25,	1.91,	3.51,	4.98,	6.33,	7.49,
	8.41,	9.08,	9.48,	9.59,	15.28,	-6.71,
	24.13,	-9.35,	11.69,	4.56,	3.03,	1.41,
	-0.25,	-1.91,	-3.51,	-4.98,	-6.33,	-7.49 !

!END!

5 ! SRCNAM = SRC_5 !

5 ! HEIGHT =	36.90,	29.40,	26.40,	26.40,	26.40,	26.40,
	26.40,	26.40,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90,
	36.90,	29.40,	26.40,	26.40,	26.40,	26.40,
	26.40,	26.40,	29.40,	36.90,	36.90,	36.90,
	36.90,	36.90,	36.90,	36.90,	36.90,	36.90 !
5 ! WIDTH =	43.18,	46.59,	52.96,	49.81,	45.14,	39.11,
	34.34,	40.81,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99,
	43.18,	46.59,	52.96,	49.81,	45.14,	39.11,
	34.34,	40.81,	30.89,	27.05,	33.99,	39.90,
	44.60,	47.95,	49.83,	50.25,	49.37,	46.99 !
5 ! LENGTH =	27.05,	43.31,	54.52,	55.83,	55.45,	53.39,
	51.69,	55.15,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28,
	27.05,	43.31,	54.52,	55.83,	55.45,	53.39,
	51.69,	55.15,	51.91,	43.18,	38.06,	31.79,
	24.55,	16.56,	8.07,	2.24,	10.93,	19.28 !
5 ! XBADJ =	5.33,	-14.16,	-29.32,	-35.55,	-40.70,	-44.61,
	-48.26,	-53.57,	-57.12,	-58.94,	-59.08,	-57.42,
	-54.02,	-48.98,	-42.45,	-36.12,	-35.95,	-34.69,
	-32.37,	-29.15,	-25.20,	-20.28,	-14.75,	-8.77,
	-3.43,	-1.59,	5.21,	15.76,	21.01,	25.63,
	29.47,	32.42,	34.38,	33.88,	25.03,	15.41 !
5 ! YBADJ =	37.35,	35.89,	31.16,	29.32,	26.59,	23.05,

```

                                CALPUFF.INP
    19.02,   15.67,   19.30,   18.85,   12.08,   4.94,
    -2.35,   -9.57,  -16.50,  -22.94,  -28.66,  -33.52,
   -37.35,  -35.89,  -31.16,  -29.32,  -26.59,  -23.05,
   -19.02,  -15.67,  -19.30,  -18.85,  -12.08,  -4.94,
     2.35,   9.57,   16.50,   22.94,   28.66,   33.52 !

```

!END!

a

Building height, width, length, and X/Y offset from the source are treated as a separate input subgroup for each source and therefore must end with an input group terminator. The X/Y offset is the position, relative to the stack, of the center of the upwind face of the projected building, with the x-axis pointing along the flow direction.

Subgroup (13d)

a
POINT SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 13b. Factors entered multiply the rates in 13b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use PTEMARB.DAT and NPT2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12)
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

a

Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 14a, 14b, 14c, 14d -- Area source parameters

Subgroup (14a)

Number of polygon area sources with parameters specified below (NAR1) No default ! NAR1 = 0 !

Units used for area source emissions below (IARU) Default: 1 ! IARU = 1 !

- 1 = g/m**2/s
- 2 = kg/m**2/hr
- 3 = lb/m**2/hr
- 4 = tons/m**2/yr
- 5 = Odour Unit * m/s (vol. flux/m**2 of odour compound)
- 6 = Odour Unit * m/min
- 7 = metric tons/m**2/yr

Number of source-species combinations with variable emissions scaling factors provided below in (14d) (NSAR1) Default: 0 ! NSAR1 = 0 !

Number of buoyant polygon area sources with variable location and emission parameters (NAR2) No default ! NAR2 = 0 !
 (If NAR2 > 0, ALL parameter data for these sources are read from the file: BAEMARB.DAT)

!END!

 Subgroup (14b)

a
 AREA SOURCE: CONSTANT DATA

Source No.	Effect. Height (m)	Base Elevation (m)	Initial Sigma z (m)	Emission Rates
-----	-----	-----	-----	-----

a
 Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
 An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IARU (e.g. 1 for g/m**2/s).

 Subgroup (14c)

COORDINATES (km) FOR EACH VERTEX(4) OF EACH POLYGON

Source No.	Ordered list of x followed by list of y, grouped by source
-----	-----

a
 Data for each source are treated as a separate input subgroup

and therefore must end with an input group terminator.

 Subgroup (14d)

a
 AREA SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 14b. Factors entered multiply the rates in 14b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use BAEMARB.DAT and NAR2 > 0.

IVARY determines the type of variation, and is source-specific:
 (IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12)
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

 a
 Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

 INPUT GROUPS: 15a, 15b, 15c -- Line source parameters

 Subgroup (15a)

Number of buoyant line sources with variable location and emission parameters (NLN2) No default ! NLN2 = 0 !

(If NLN2 > 0, ALL parameter data for these sources are read from the file: LNEMARB.DAT)

Number of buoyant line sources (NLINES) No default ! NLINES = 0 !

Units used for line source emissions below (ILNU) Default: 1 ! ILNU = 1 !

- 1 = g/s
- 2 = kg/hr
- 3 = lb/hr
- 4 = tons/yr

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5 = Odour Unit * m³/s (vol. flux of odour compound)
 6 = Odour Unit * m³/min
 7 = metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (15c) (NSLN1) Default: 0 ! NSLN1 = 0 !

Maximum number of segments used to model each line (MXNSEG) Default: 7 ! MXNSEG = 7 !

The following variables are required only if NLINES > 0. They are used in the buoyant line source plume rise calculations.

Number of distances at which transitional rise is computed	Default: 6	! NLRISE = 6 !
Average building length (XL)	No default (in meters)	* XL = *
Average building height (HBL)	No default (in meters)	* HBL = *
Average building width (WBL)	No default (in meters)	* WBL = *
Average line source width (WML)	No default (in meters)	* WML = *
Average separation between buildings (DXL)	No default (in meters)	* DXL = *
Average buoyancy parameter (FPRIMEL)	No default (in m ⁴ /s ³)	* FPRIMEL = *

!END!

 Subgroup (15b)

BUOYANT LINE SOURCE: CONSTANT DATA

a Source Emission No. Rates	Beg. X Coordinate (km)	Beg. Y Coordinate (km)	End. X Coordinate (km)	End. Y Coordinate (km)	Release Height (m)	Base Elevation (m)
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

a Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are

modeled, but not emitted. Units are specified by ILNTU (e.g. 1 for g/s).

 Subgroup (15c)

a

BUOYANT LINE SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 15b. Factors entered multiply the rates in 15b. Skip sources here that have constant emissions.

IVARY determines the type of variation, and is source-specific:
 (IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12)
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

 a
 Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

 INPUT GROUPS: 16a, 16b, 16c -- Volume source parameters

 Subgroup (16a)

Number of volume sources with parameters provided in 16b,c (NVL1) No default ! NVL1 = 0 !

Units used for volume source emissions below in 16b (IVLU) Default: 1 ! IVLU = 1 !

- 1 = g/s
- 2 = kg/hr
- 3 = lb/hr
- 4 = tons/yr
- 5 = Odour Unit * m**3/s (vol. flux of odour compound)
- 6 = Odour Unit * m**3/min
- 7 = metric tons/yr

Number of source-species combinations with variable

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emissions scaling factors provided below in (16c) (NSVL1) Default: 0 ! NSVL1 = 0 !

Number of volume sources with variable location and emission parameters (NVL2) No default ! NVL2 = 0 !

(If NVL2 > 0, ALL parameter data for these sources are read from the VOLEMARB.DAT file(s))

!END!

Subgroup (16b)

a
VOLUME SOURCE: CONSTANT DATA

X Coordinate (km)	Y Coordinate (km)	Effect. Height (m)	Base Elevation (m)	Initial Sigma y (m)	Initial Sigma z (m)	Emission Rates ^b

a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IVLU (e.g. 1 for g/s).

Subgroup (16c)

a
VOLUME SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 16b. Factors entered multiply the rates in 16b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use VOLEMARB.DAT and NVL2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12)
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

 a
 Data for each species are treated as a separate input subgroup
 and therefore must end with an input group terminator.

 INPUT GROUPS: 17a, 17b, 17c -- Non-gridded (discrete) receptor information

 Subgroup (17a)

Number of non-gridded receptors (NREC) No default ! NREC = 2161 !

Group names can be used to assign receptor locations in
 Subgroup 17c and thereby provide an identification that
 can be referenced when postprocessing receptors. The
 default assignment name X is used when NRGRP = 0.

Number of receptor group names (NRGRP) Default: 0 ! NRGRP = 0 !

!END!

 Subgroup (17b)

Provide a name for each receptor group if NRGRP>0.
 Enter NRGRP lines.

a,b
 Group Name

* RGRPNAMLIST = *

 a
 Each group name provided is treated as a separate input subgroup
 and therefore must end with an input group terminator.
 b
 Receptor group names must not include blanks.

 Subgroup (17c)

a
 NON-GRIDDED (DISCRETE) RECEPTOR DATA

Receptor No.	Group Name ^c	X Coordinate (km)	Y Coordinate (km)	Ground Elevation (m)	Height Above Ground (m)	b
1	! X =	685.975,	4853.711,	0.0,	0.0 !	!END!
2	! X =	685.522,	4853.441,	0.0,	0.0 !	!END!
3	! X =	685.572,	4853.441,	0.0,	0.0 !	!END!

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4	!	X =	685.622,	4853.441,	0.0,	0.0	!	!END!
5	!	X =	685.672,	4853.441,	0.0,	0.0	!	!END!
6	!	X =	685.722,	4853.441,	0.0,	0.0	!	!END!
7	!	X =	685.772,	4853.441,	0.0,	0.0	!	!END!
8	!	X =	685.822,	4853.441,	0.0,	0.0	!	!END!
9	!	X =	685.872,	4853.441,	0.0,	0.0	!	!END!
10	!	X =	685.922,	4853.441,	0.0,	0.0	!	!END!
11	!	X =	685.972,	4853.441,	0.0,	0.0	!	!END!
12	!	X =	686.022,	4853.441,	0.0,	0.0	!	!END!
13	!	X =	686.072,	4853.441,	0.0,	0.0	!	!END!
14	!	X =	686.122,	4853.441,	0.0,	0.0	!	!END!
15	!	X =	686.172,	4853.441,	0.0,	0.0	!	!END!
16	!	X =	686.222,	4853.441,	0.0,	0.0	!	!END!
17	!	X =	686.272,	4853.441,	0.0,	0.0	!	!END!
18	!	X =	686.322,	4853.441,	0.0,	0.0	!	!END!
19	!	X =	686.372,	4853.441,	0.0,	0.0	!	!END!
20	!	X =	686.422,	4853.441,	0.0,	0.0	!	!END!
21	!	X =	686.472,	4853.441,	0.0,	0.0	!	!END!
22	!	X =	685.472,	4853.491,	0.0,	0.0	!	!END!
23	!	X =	685.522,	4853.491,	0.0,	0.0	!	!END!
24	!	X =	685.572,	4853.491,	0.0,	0.0	!	!END!
25	!	X =	685.622,	4853.491,	0.0,	0.0	!	!END!
26	!	X =	685.672,	4853.491,	0.0,	0.0	!	!END!
27	!	X =	685.722,	4853.491,	0.0,	0.0	!	!END!
28	!	X =	685.772,	4853.491,	0.0,	0.0	!	!END!
29	!	X =	685.822,	4853.491,	0.0,	0.0	!	!END!
30	!	X =	685.872,	4853.491,	0.0,	0.0	!	!END!
31	!	X =	685.922,	4853.491,	0.0,	0.0	!	!END!
32	!	X =	685.972,	4853.491,	0.0,	0.0	!	!END!
33	!	X =	686.022,	4853.491,	0.0,	0.0	!	!END!
34	!	X =	686.072,	4853.491,	0.0,	0.0	!	!END!
35	!	X =	686.122,	4853.491,	0.0,	0.0	!	!END!
36	!	X =	686.172,	4853.491,	0.0,	0.0	!	!END!
37	!	X =	686.222,	4853.491,	0.0,	0.0	!	!END!
38	!	X =	686.272,	4853.491,	0.0,	0.0	!	!END!
39	!	X =	686.322,	4853.491,	0.0,	0.0	!	!END!
40	!	X =	686.372,	4853.491,	0.0,	0.0	!	!END!
41	!	X =	686.422,	4853.491,	0.0,	0.0	!	!END!
42	!	X =	686.472,	4853.491,	0.0,	0.0	!	!END!
43	!	X =	685.472,	4853.541,	0.0,	0.0	!	!END!
44	!	X =	685.522,	4853.541,	0.0,	0.0	!	!END!
45	!	X =	685.572,	4853.541,	0.0,	0.0	!	!END!
46	!	X =	685.622,	4853.541,	0.0,	0.0	!	!END!
47	!	X =	685.672,	4853.541,	0.0,	0.0	!	!END!
48	!	X =	685.722,	4853.541,	0.0,	0.0	!	!END!
49	!	X =	685.772,	4853.541,	0.0,	0.0	!	!END!
50	!	X =	685.822,	4853.541,	0.0,	0.0	!	!END!
51	!	X =	685.872,	4853.541,	0.0,	0.0	!	!END!
52	!	X =	685.922,	4853.541,	0.0,	0.0	!	!END!
53	!	X =	685.972,	4853.541,	0.0,	0.0	!	!END!
54	!	X =	686.022,	4853.541,	0.0,	0.0	!	!END!
55	!	X =	686.072,	4853.541,	0.0,	0.0	!	!END!
56	!	X =	686.122,	4853.541,	0.0,	0.0	!	!END!
57	!	X =	686.172,	4853.541,	0.0,	0.0	!	!END!
58	!	X =	686.222,	4853.541,	0.0,	0.0	!	!END!
59	!	X =	686.272,	4853.541,	0.0,	0.0	!	!END!
60	!	X =	686.322,	4853.541,	0.0,	0.0	!	!END!
61	!	X =	686.372,	4853.541,	0.0,	0.0	!	!END!
62	!	X =	686.422,	4853.541,	0.0,	0.0	!	!END!
63	!	X =	686.472,	4853.541,	0.0,	0.0	!	!END!
64	!	X =	685.472,	4853.591,	0.0,	0.0	!	!END!
65	!	X =	685.522,	4853.591,	0.0,	0.0	!	!END!
66	!	X =	685.572,	4853.591,	0.0,	0.0	!	!END!

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67	!	X =	685.622,	4853.591,	0.0,	0.0	!	!END!
68	!	X =	685.672,	4853.591,	0.0,	0.0	!	!END!
69	!	X =	685.722,	4853.591,	0.0,	0.0	!	!END!
70	!	X =	685.772,	4853.591,	0.0,	0.0	!	!END!
71	!	X =	685.822,	4853.591,	0.0,	0.0	!	!END!
72	!	X =	685.872,	4853.591,	0.0,	0.0	!	!END!
73	!	X =	685.922,	4853.591,	0.0,	0.0	!	!END!
74	!	X =	685.972,	4853.591,	0.0,	0.0	!	!END!
75	!	X =	686.022,	4853.591,	0.0,	0.0	!	!END!
76	!	X =	686.072,	4853.591,	0.0,	0.0	!	!END!
77	!	X =	686.122,	4853.591,	0.0,	0.0	!	!END!
78	!	X =	686.172,	4853.591,	0.0,	0.0	!	!END!
79	!	X =	686.222,	4853.591,	0.0,	0.0	!	!END!
80	!	X =	686.272,	4853.591,	0.0,	0.0	!	!END!
81	!	X =	686.322,	4853.591,	0.0,	0.0	!	!END!
82	!	X =	686.372,	4853.591,	0.0,	0.0	!	!END!
83	!	X =	686.422,	4853.591,	0.0,	0.0	!	!END!
84	!	X =	686.472,	4853.591,	0.0,	0.0	!	!END!
85	!	X =	685.472,	4853.641,	0.0,	0.0	!	!END!
86	!	X =	685.522,	4853.641,	0.0,	0.0	!	!END!
87	!	X =	685.572,	4853.641,	0.0,	0.0	!	!END!
88	!	X =	685.622,	4853.641,	0.0,	0.0	!	!END!
89	!	X =	685.672,	4853.641,	0.0,	0.0	!	!END!
90	!	X =	685.722,	4853.641,	0.0,	0.0	!	!END!
91	!	X =	685.772,	4853.641,	0.0,	0.0	!	!END!
92	!	X =	685.822,	4853.641,	0.0,	0.0	!	!END!
93	!	X =	685.872,	4853.641,	0.0,	0.0	!	!END!
94	!	X =	685.922,	4853.641,	0.0,	0.0	!	!END!
95	!	X =	685.972,	4853.641,	0.0,	0.0	!	!END!
96	!	X =	686.022,	4853.641,	0.0,	0.0	!	!END!
97	!	X =	686.072,	4853.641,	0.0,	0.0	!	!END!
98	!	X =	686.122,	4853.641,	0.0,	0.0	!	!END!
99	!	X =	686.172,	4853.641,	0.0,	0.0	!	!END!
100	!	X =	686.222,	4853.641,	0.0,	0.0	!	!END!
101	!	X =	686.272,	4853.641,	0.0,	0.0	!	!END!
102	!	X =	686.322,	4853.641,	0.0,	0.0	!	!END!
103	!	X =	686.372,	4853.641,	0.0,	0.0	!	!END!
104	!	X =	686.422,	4853.641,	0.0,	0.0	!	!END!
105	!	X =	686.472,	4853.641,	0.0,	0.0	!	!END!
106	!	X =	685.472,	4853.691,	0.0,	0.0	!	!END!
107	!	X =	685.522,	4853.691,	0.0,	0.0	!	!END!
108	!	X =	685.572,	4853.691,	0.0,	0.0	!	!END!
109	!	X =	685.622,	4853.691,	0.0,	0.0	!	!END!
110	!	X =	685.672,	4853.691,	0.0,	0.0	!	!END!
111	!	X =	685.722,	4853.691,	0.0,	0.0	!	!END!
112	!	X =	685.772,	4853.691,	0.0,	0.0	!	!END!
113	!	X =	685.822,	4853.691,	0.0,	0.0	!	!END!
114	!	X =	685.872,	4853.691,	0.0,	0.0	!	!END!
115	!	X =	685.922,	4853.691,	0.0,	0.0	!	!END!
116	!	X =	685.972,	4853.691,	0.0,	0.0	!	!END!
117	!	X =	686.022,	4853.691,	0.0,	0.0	!	!END!
118	!	X =	686.072,	4853.691,	0.0,	0.0	!	!END!
119	!	X =	686.122,	4853.691,	0.0,	0.0	!	!END!
120	!	X =	686.172,	4853.691,	0.0,	0.0	!	!END!
121	!	X =	686.222,	4853.691,	0.0,	0.0	!	!END!
122	!	X =	686.272,	4853.691,	0.0,	0.0	!	!END!
123	!	X =	686.322,	4853.691,	0.0,	0.0	!	!END!
124	!	X =	686.372,	4853.691,	0.0,	0.0	!	!END!
125	!	X =	686.422,	4853.691,	0.0,	0.0	!	!END!
126	!	X =	686.472,	4853.691,	0.0,	0.0	!	!END!
127	!	X =	685.472,	4853.741,	0.0,	0.0	!	!END!
128	!	X =	685.522,	4853.741,	0.0,	0.0	!	!END!
129	!	X =	685.572,	4853.741,	0.0,	0.0	!	!END!

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130	!	X =	685.622,	4853.741,	0.0,	0.0	!	!END!
131	!	X =	685.672,	4853.741,	0.0,	0.0	!	!END!
132	!	X =	685.722,	4853.741,	0.0,	0.0	!	!END!
133	!	X =	685.772,	4853.741,	0.0,	0.0	!	!END!
134	!	X =	685.822,	4853.741,	0.0,	0.0	!	!END!
135	!	X =	685.872,	4853.741,	0.0,	0.0	!	!END!
136	!	X =	685.922,	4853.741,	0.0,	0.0	!	!END!
137	!	X =	686.022,	4853.741,	0.0,	0.0	!	!END!
138	!	X =	686.072,	4853.741,	0.0,	0.0	!	!END!
139	!	X =	686.122,	4853.741,	0.0,	0.0	!	!END!
140	!	X =	686.172,	4853.741,	0.0,	0.0	!	!END!
141	!	X =	686.222,	4853.741,	0.0,	0.0	!	!END!
142	!	X =	686.272,	4853.741,	0.0,	0.0	!	!END!
143	!	X =	686.322,	4853.741,	0.0,	0.0	!	!END!
144	!	X =	686.372,	4853.741,	0.0,	0.0	!	!END!
145	!	X =	686.422,	4853.741,	0.0,	0.0	!	!END!
146	!	X =	686.472,	4853.741,	0.0,	0.0	!	!END!
147	!	X =	685.472,	4853.791,	0.0,	0.0	!	!END!
148	!	X =	685.522,	4853.791,	0.0,	0.0	!	!END!
149	!	X =	685.572,	4853.791,	0.0,	0.0	!	!END!
150	!	X =	685.622,	4853.791,	0.0,	0.0	!	!END!
151	!	X =	685.672,	4853.791,	0.0,	0.0	!	!END!
152	!	X =	685.722,	4853.791,	0.0,	0.0	!	!END!
153	!	X =	685.772,	4853.791,	0.0,	0.0	!	!END!
154	!	X =	685.822,	4853.791,	0.0,	0.0	!	!END!
155	!	X =	685.872,	4853.791,	0.0,	0.0	!	!END!
156	!	X =	685.922,	4853.791,	0.0,	0.0	!	!END!
157	!	X =	685.972,	4853.791,	0.0,	0.0	!	!END!
158	!	X =	686.022,	4853.791,	0.0,	0.0	!	!END!
159	!	X =	686.072,	4853.791,	0.0,	0.0	!	!END!
160	!	X =	686.122,	4853.791,	0.0,	0.0	!	!END!
161	!	X =	686.172,	4853.791,	0.0,	0.0	!	!END!
162	!	X =	686.222,	4853.791,	0.0,	0.0	!	!END!
163	!	X =	686.272,	4853.791,	0.0,	0.0	!	!END!
164	!	X =	686.322,	4853.791,	0.0,	0.0	!	!END!
165	!	X =	686.372,	4853.791,	0.0,	0.0	!	!END!
166	!	X =	686.422,	4853.791,	0.0,	0.0	!	!END!
167	!	X =	686.472,	4853.791,	0.0,	0.0	!	!END!
168	!	X =	685.472,	4853.841,	0.0,	0.0	!	!END!
169	!	X =	685.522,	4853.841,	0.0,	0.0	!	!END!
170	!	X =	685.572,	4853.841,	0.0,	0.0	!	!END!
171	!	X =	685.622,	4853.841,	0.0,	0.0	!	!END!
172	!	X =	685.672,	4853.841,	0.0,	0.0	!	!END!
173	!	X =	685.722,	4853.841,	0.0,	0.0	!	!END!
174	!	X =	685.772,	4853.841,	0.0,	0.0	!	!END!
175	!	X =	685.822,	4853.841,	0.0,	0.0	!	!END!
176	!	X =	685.872,	4853.841,	0.0,	0.0	!	!END!
177	!	X =	685.922,	4853.841,	0.0,	0.0	!	!END!
178	!	X =	685.972,	4853.841,	0.0,	0.0	!	!END!
179	!	X =	686.022,	4853.841,	0.0,	0.0	!	!END!
180	!	X =	686.072,	4853.841,	0.0,	0.0	!	!END!
181	!	X =	686.122,	4853.841,	0.0,	0.0	!	!END!
182	!	X =	686.172,	4853.841,	0.0,	0.0	!	!END!
183	!	X =	686.222,	4853.841,	0.0,	0.0	!	!END!
184	!	X =	686.272,	4853.841,	0.0,	0.0	!	!END!
185	!	X =	686.322,	4853.841,	0.0,	0.0	!	!END!
186	!	X =	686.372,	4853.841,	0.0,	0.0	!	!END!
187	!	X =	686.422,	4853.841,	0.0,	0.0	!	!END!
188	!	X =	686.472,	4853.841,	0.0,	0.0	!	!END!
189	!	X =	685.472,	4853.891,	0.0,	0.0	!	!END!
190	!	X =	685.522,	4853.891,	0.0,	0.0	!	!END!
191	!	X =	685.572,	4853.891,	0.0,	0.0	!	!END!
192	!	X =	685.622,	4853.891,	0.0,	0.0	!	!END!

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193	!	X =	685.672,	4853.891,	0.0,	0.0	!	!END!
194	!	X =	685.722,	4853.891,	0.0,	0.0	!	!END!
195	!	X =	685.772,	4853.891,	0.0,	0.0	!	!END!
196	!	X =	685.822,	4853.891,	0.0,	0.0	!	!END!
197	!	X =	685.872,	4853.891,	0.0,	0.0	!	!END!
198	!	X =	685.922,	4853.891,	0.0,	0.0	!	!END!
199	!	X =	685.972,	4853.891,	0.0,	0.0	!	!END!
200	!	X =	686.022,	4853.891,	0.0,	0.0	!	!END!
201	!	X =	686.072,	4853.891,	0.0,	0.0	!	!END!
202	!	X =	686.122,	4853.891,	0.0,	0.0	!	!END!
203	!	X =	686.172,	4853.891,	0.0,	0.0	!	!END!
204	!	X =	686.222,	4853.891,	0.0,	0.0	!	!END!
205	!	X =	686.272,	4853.891,	0.0,	0.0	!	!END!
206	!	X =	686.322,	4853.891,	0.0,	0.0	!	!END!
207	!	X =	686.372,	4853.891,	0.0,	0.0	!	!END!
208	!	X =	686.422,	4853.891,	0.0,	0.0	!	!END!
209	!	X =	686.472,	4853.891,	0.0,	0.0	!	!END!
210	!	X =	685.472,	4853.941,	0.0,	0.0	!	!END!
211	!	X =	685.522,	4853.941,	0.0,	0.0	!	!END!
212	!	X =	685.572,	4853.941,	0.0,	0.0	!	!END!
213	!	X =	685.622,	4853.941,	0.0,	0.0	!	!END!
214	!	X =	685.672,	4853.941,	0.0,	0.0	!	!END!
215	!	X =	685.722,	4853.941,	0.0,	0.0	!	!END!
216	!	X =	685.772,	4853.941,	0.0,	0.0	!	!END!
217	!	X =	685.822,	4853.941,	0.0,	0.0	!	!END!
218	!	X =	685.872,	4853.941,	0.0,	0.0	!	!END!
219	!	X =	685.922,	4853.941,	0.0,	0.0	!	!END!
220	!	X =	685.972,	4853.941,	0.0,	0.0	!	!END!
221	!	X =	686.022,	4853.941,	0.0,	0.0	!	!END!
222	!	X =	686.072,	4853.941,	0.0,	0.0	!	!END!
223	!	X =	686.122,	4853.941,	0.0,	0.0	!	!END!
224	!	X =	686.172,	4853.941,	0.0,	0.0	!	!END!
225	!	X =	686.222,	4853.941,	0.0,	0.0	!	!END!
226	!	X =	686.272,	4853.941,	0.0,	0.0	!	!END!
227	!	X =	686.322,	4853.941,	0.0,	0.0	!	!END!
228	!	X =	686.372,	4853.941,	0.0,	0.0	!	!END!
229	!	X =	686.422,	4853.941,	0.0,	0.0	!	!END!
230	!	X =	686.472,	4853.941,	0.0,	0.0	!	!END!
231	!	X =	685.472,	4853.991,	0.0,	0.0	!	!END!
232	!	X =	685.522,	4853.991,	0.0,	0.0	!	!END!
233	!	X =	685.572,	4853.991,	0.0,	0.0	!	!END!
234	!	X =	685.622,	4853.991,	0.0,	0.0	!	!END!
235	!	X =	685.672,	4853.991,	0.0,	0.0	!	!END!
236	!	X =	685.722,	4853.991,	0.0,	0.0	!	!END!
237	!	X =	685.772,	4853.991,	0.0,	0.0	!	!END!
238	!	X =	685.822,	4853.991,	0.0,	0.0	!	!END!
239	!	X =	685.872,	4853.991,	0.0,	0.0	!	!END!
240	!	X =	685.922,	4853.991,	0.0,	0.0	!	!END!
241	!	X =	685.972,	4853.991,	0.0,	0.0	!	!END!
242	!	X =	686.022,	4853.991,	0.0,	0.0	!	!END!
243	!	X =	686.072,	4853.991,	0.0,	0.0	!	!END!
244	!	X =	686.122,	4853.991,	0.0,	0.0	!	!END!
245	!	X =	686.172,	4853.991,	0.0,	0.0	!	!END!
246	!	X =	686.222,	4853.991,	0.0,	0.0	!	!END!
247	!	X =	686.272,	4853.991,	0.0,	0.0	!	!END!
248	!	X =	686.322,	4853.991,	0.0,	0.0	!	!END!
249	!	X =	686.372,	4853.991,	0.0,	0.0	!	!END!
250	!	X =	686.422,	4853.991,	0.0,	0.0	!	!END!
251	!	X =	686.472,	4853.991,	0.0,	0.0	!	!END!
252	!	X =	685.472,	4854.041,	0.0,	0.0	!	!END!
253	!	X =	685.522,	4854.041,	0.0,	0.0	!	!END!
254	!	X =	685.572,	4854.041,	0.0,	0.0	!	!END!
255	!	X =	685.622,	4854.041,	0.0,	0.0	!	!END!

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256	!	X =	685.672,	4854.041,	0.0,	0.0	!	!END!
257	!	X =	685.722,	4854.041,	0.0,	0.0	!	!END!
258	!	X =	685.772,	4854.041,	0.0,	0.0	!	!END!
259	!	X =	685.822,	4854.041,	0.0,	0.0	!	!END!
260	!	X =	685.872,	4854.041,	0.0,	0.0	!	!END!
261	!	X =	685.922,	4854.041,	0.0,	0.0	!	!END!
262	!	X =	685.972,	4854.041,	0.0,	0.0	!	!END!
263	!	X =	686.022,	4854.041,	0.0,	0.0	!	!END!
264	!	X =	686.072,	4854.041,	0.0,	0.0	!	!END!
265	!	X =	686.122,	4854.041,	0.0,	0.0	!	!END!
266	!	X =	686.172,	4854.041,	0.0,	0.0	!	!END!
267	!	X =	686.222,	4854.041,	0.0,	0.0	!	!END!
268	!	X =	686.272,	4854.041,	0.0,	0.0	!	!END!
269	!	X =	686.322,	4854.041,	0.0,	0.0	!	!END!
270	!	X =	686.372,	4854.041,	0.0,	0.0	!	!END!
271	!	X =	686.422,	4854.041,	0.0,	0.0	!	!END!
272	!	X =	686.472,	4854.041,	0.0,	0.0	!	!END!
273	!	X =	685.472,	4854.091,	0.0,	0.0	!	!END!
274	!	X =	685.522,	4854.091,	0.0,	0.0	!	!END!
275	!	X =	685.572,	4854.091,	0.0,	0.0	!	!END!
276	!	X =	685.622,	4854.091,	0.0,	0.0	!	!END!
277	!	X =	685.672,	4854.091,	0.0,	0.0	!	!END!
278	!	X =	685.722,	4854.091,	0.0,	0.0	!	!END!
279	!	X =	685.772,	4854.091,	0.0,	0.0	!	!END!
280	!	X =	685.822,	4854.091,	0.0,	0.0	!	!END!
281	!	X =	685.872,	4854.091,	0.0,	0.0	!	!END!
282	!	X =	685.922,	4854.091,	0.0,	0.0	!	!END!
283	!	X =	685.972,	4854.091,	0.0,	0.0	!	!END!
284	!	X =	686.022,	4854.091,	0.0,	0.0	!	!END!
285	!	X =	686.072,	4854.091,	0.0,	0.0	!	!END!
286	!	X =	686.122,	4854.091,	0.0,	0.0	!	!END!
287	!	X =	686.172,	4854.091,	0.0,	0.0	!	!END!
288	!	X =	686.222,	4854.091,	0.0,	0.0	!	!END!
289	!	X =	686.272,	4854.091,	0.0,	0.0	!	!END!
290	!	X =	686.322,	4854.091,	0.0,	0.0	!	!END!
291	!	X =	686.372,	4854.091,	0.0,	0.0	!	!END!
292	!	X =	686.422,	4854.091,	0.0,	0.0	!	!END!
293	!	X =	686.472,	4854.091,	0.0,	0.0	!	!END!
294	!	X =	685.472,	4854.141,	0.0,	0.0	!	!END!
295	!	X =	685.522,	4854.141,	0.0,	0.0	!	!END!
296	!	X =	685.572,	4854.141,	0.0,	0.0	!	!END!
297	!	X =	685.622,	4854.141,	0.0,	0.0	!	!END!
298	!	X =	685.672,	4854.141,	0.0,	0.0	!	!END!
299	!	X =	685.722,	4854.141,	0.0,	0.0	!	!END!
300	!	X =	685.772,	4854.141,	0.0,	0.0	!	!END!
301	!	X =	685.822,	4854.141,	0.0,	0.0	!	!END!
302	!	X =	685.872,	4854.141,	0.0,	0.0	!	!END!
303	!	X =	685.922,	4854.141,	0.0,	0.0	!	!END!
304	!	X =	685.972,	4854.141,	0.0,	0.0	!	!END!
305	!	X =	686.022,	4854.141,	0.0,	0.0	!	!END!
306	!	X =	686.072,	4854.141,	0.0,	0.0	!	!END!
307	!	X =	686.122,	4854.141,	0.0,	0.0	!	!END!
308	!	X =	686.172,	4854.141,	0.0,	0.0	!	!END!
309	!	X =	686.222,	4854.141,	0.0,	0.0	!	!END!
310	!	X =	686.272,	4854.141,	0.0,	0.0	!	!END!
311	!	X =	686.322,	4854.141,	0.0,	0.0	!	!END!
312	!	X =	686.372,	4854.141,	0.0,	0.0	!	!END!
313	!	X =	686.422,	4854.141,	0.0,	0.0	!	!END!
314	!	X =	686.472,	4854.141,	0.0,	0.0	!	!END!
315	!	X =	685.472,	4854.191,	0.0,	0.0	!	!END!
316	!	X =	685.522,	4854.191,	0.0,	0.0	!	!END!
317	!	X =	685.572,	4854.191,	0.0,	0.0	!	!END!
318	!	X =	685.622,	4854.191,	0.0,	0.0	!	!END!

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319	!	X =	685.672,	4854.191,	0.0,	0.0	!	!END!
320	!	X =	685.722,	4854.191,	0.0,	0.0	!	!END!
321	!	X =	685.772,	4854.191,	0.0,	0.0	!	!END!
322	!	X =	685.822,	4854.191,	0.0,	0.0	!	!END!
323	!	X =	685.872,	4854.191,	0.0,	0.0	!	!END!
324	!	X =	685.922,	4854.191,	0.0,	0.0	!	!END!
325	!	X =	685.972,	4854.191,	0.0,	0.0	!	!END!
326	!	X =	686.022,	4854.191,	0.0,	0.0	!	!END!
327	!	X =	686.072,	4854.191,	0.0,	0.0	!	!END!
328	!	X =	686.122,	4854.191,	0.0,	0.0	!	!END!
329	!	X =	686.172,	4854.191,	0.0,	0.0	!	!END!
330	!	X =	686.222,	4854.191,	0.0,	0.0	!	!END!
331	!	X =	686.272,	4854.191,	0.0,	0.0	!	!END!
332	!	X =	686.322,	4854.191,	0.0,	0.0	!	!END!
333	!	X =	686.372,	4854.191,	0.0,	0.0	!	!END!
334	!	X =	686.422,	4854.191,	0.0,	0.0	!	!END!
335	!	X =	686.472,	4854.191,	0.0,	0.0	!	!END!
336	!	X =	685.472,	4854.241,	0.0,	0.0	!	!END!
337	!	X =	685.522,	4854.241,	0.0,	0.0	!	!END!
338	!	X =	685.572,	4854.241,	0.0,	0.0	!	!END!
339	!	X =	685.622,	4854.241,	0.0,	0.0	!	!END!
340	!	X =	685.672,	4854.241,	0.0,	0.0	!	!END!
341	!	X =	685.722,	4854.241,	0.0,	0.0	!	!END!
342	!	X =	685.772,	4854.241,	0.0,	0.0	!	!END!
343	!	X =	685.822,	4854.241,	0.0,	0.0	!	!END!
344	!	X =	685.872,	4854.241,	0.0,	0.0	!	!END!
345	!	X =	685.922,	4854.241,	0.0,	0.0	!	!END!
346	!	X =	685.972,	4854.241,	0.0,	0.0	!	!END!
347	!	X =	686.022,	4854.241,	0.0,	0.0	!	!END!
348	!	X =	686.072,	4854.241,	0.0,	0.0	!	!END!
349	!	X =	686.122,	4854.241,	0.0,	0.0	!	!END!
350	!	X =	686.172,	4854.241,	0.0,	0.0	!	!END!
351	!	X =	686.222,	4854.241,	0.0,	0.0	!	!END!
352	!	X =	686.272,	4854.241,	0.0,	0.0	!	!END!
353	!	X =	686.322,	4854.241,	0.0,	0.0	!	!END!
354	!	X =	686.372,	4854.241,	0.0,	0.0	!	!END!
355	!	X =	686.422,	4854.241,	0.0,	0.0	!	!END!
356	!	X =	686.472,	4854.241,	0.0,	0.0	!	!END!
357	!	X =	684.972,	4852.741,	0.0,	0.0	!	!END!
358	!	X =	685.072,	4852.741,	0.0,	0.0	!	!END!
359	!	X =	685.172,	4852.741,	0.0,	0.0	!	!END!
360	!	X =	685.272,	4852.741,	0.0,	0.0	!	!END!
361	!	X =	685.372,	4852.741,	0.0,	0.0	!	!END!
362	!	X =	685.472,	4852.741,	0.0,	0.0	!	!END!
363	!	X =	685.572,	4852.741,	0.0,	0.0	!	!END!
364	!	X =	685.672,	4852.741,	0.0,	0.0	!	!END!
365	!	X =	685.772,	4852.741,	0.0,	0.0	!	!END!
366	!	X =	685.872,	4852.741,	0.0,	0.0	!	!END!
367	!	X =	685.972,	4852.741,	0.0,	0.0	!	!END!
368	!	X =	686.072,	4852.741,	0.0,	0.0	!	!END!
369	!	X =	686.172,	4852.741,	0.0,	0.0	!	!END!
370	!	X =	686.272,	4852.741,	0.0,	0.0	!	!END!
371	!	X =	686.372,	4852.741,	0.0,	0.0	!	!END!
372	!	X =	686.472,	4852.741,	0.0,	0.0	!	!END!
373	!	X =	686.572,	4852.741,	0.0,	0.0	!	!END!
374	!	X =	686.672,	4852.741,	0.0,	0.0	!	!END!
375	!	X =	686.772,	4852.741,	0.0,	0.0	!	!END!
376	!	X =	686.872,	4852.741,	0.0,	0.0	!	!END!
377	!	X =	686.972,	4852.741,	0.0,	0.0	!	!END!
378	!	X =	684.972,	4852.841,	0.0,	0.0	!	!END!
379	!	X =	685.072,	4852.841,	0.0,	0.0	!	!END!
380	!	X =	685.172,	4852.841,	0.0,	0.0	!	!END!
381	!	X =	685.272,	4852.841,	0.0,	0.0	!	!END!

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382	!	X =	685.372,	4852.841,	0.0,	0.0	!	!END!
383	!	X =	685.472,	4852.841,	0.0,	0.0	!	!END!
384	!	X =	685.572,	4852.841,	0.0,	0.0	!	!END!
385	!	X =	685.672,	4852.841,	0.0,	0.0	!	!END!
386	!	X =	685.772,	4852.841,	0.0,	0.0	!	!END!
387	!	X =	685.872,	4852.841,	0.0,	0.0	!	!END!
388	!	X =	685.972,	4852.841,	0.0,	0.0	!	!END!
389	!	X =	686.072,	4852.841,	0.0,	0.0	!	!END!
390	!	X =	686.172,	4852.841,	0.0,	0.0	!	!END!
391	!	X =	686.272,	4852.841,	0.0,	0.0	!	!END!
392	!	X =	686.372,	4852.841,	0.0,	0.0	!	!END!
393	!	X =	686.472,	4852.841,	0.0,	0.0	!	!END!
394	!	X =	686.572,	4852.841,	0.0,	0.0	!	!END!
395	!	X =	686.672,	4852.841,	0.0,	0.0	!	!END!
396	!	X =	686.772,	4852.841,	0.0,	0.0	!	!END!
397	!	X =	686.872,	4852.841,	0.0,	0.0	!	!END!
398	!	X =	686.972,	4852.841,	0.0,	0.0	!	!END!
399	!	X =	684.972,	4852.941,	0.0,	0.0	!	!END!
400	!	X =	685.072,	4852.941,	0.0,	0.0	!	!END!
401	!	X =	685.172,	4852.941,	0.0,	0.0	!	!END!
402	!	X =	685.272,	4852.941,	0.0,	0.0	!	!END!
403	!	X =	685.372,	4852.941,	0.0,	0.0	!	!END!
404	!	X =	685.472,	4852.941,	0.0,	0.0	!	!END!
405	!	X =	685.572,	4852.941,	0.0,	0.0	!	!END!
406	!	X =	685.672,	4852.941,	0.0,	0.0	!	!END!
407	!	X =	685.772,	4852.941,	0.0,	0.0	!	!END!
408	!	X =	685.872,	4852.941,	0.0,	0.0	!	!END!
409	!	X =	685.972,	4852.941,	0.0,	0.0	!	!END!
410	!	X =	686.072,	4852.941,	0.0,	0.0	!	!END!
411	!	X =	686.172,	4852.941,	0.0,	0.0	!	!END!
412	!	X =	686.272,	4852.941,	0.0,	0.0	!	!END!
413	!	X =	686.372,	4852.941,	0.0,	0.0	!	!END!
414	!	X =	686.472,	4852.941,	0.0,	0.0	!	!END!
415	!	X =	686.572,	4852.941,	0.0,	0.0	!	!END!
416	!	X =	686.672,	4852.941,	0.0,	0.0	!	!END!
417	!	X =	686.772,	4852.941,	0.0,	0.0	!	!END!
418	!	X =	686.872,	4852.941,	0.0,	0.0	!	!END!
419	!	X =	686.972,	4852.941,	0.0,	0.0	!	!END!
420	!	X =	684.972,	4853.041,	0.0,	0.0	!	!END!
421	!	X =	685.072,	4853.041,	0.0,	0.0	!	!END!
422	!	X =	685.172,	4853.041,	0.0,	0.0	!	!END!
423	!	X =	685.272,	4853.041,	0.0,	0.0	!	!END!
424	!	X =	685.372,	4853.041,	0.0,	0.0	!	!END!
425	!	X =	685.472,	4853.041,	0.0,	0.0	!	!END!
426	!	X =	685.572,	4853.041,	0.0,	0.0	!	!END!
427	!	X =	685.672,	4853.041,	0.0,	0.0	!	!END!
428	!	X =	685.772,	4853.041,	0.0,	0.0	!	!END!
429	!	X =	685.872,	4853.041,	0.0,	0.0	!	!END!
430	!	X =	685.972,	4853.041,	0.0,	0.0	!	!END!
431	!	X =	686.072,	4853.041,	0.0,	0.0	!	!END!
432	!	X =	686.172,	4853.041,	0.0,	0.0	!	!END!
433	!	X =	686.272,	4853.041,	0.0,	0.0	!	!END!
434	!	X =	686.372,	4853.041,	0.0,	0.0	!	!END!
435	!	X =	686.472,	4853.041,	0.0,	0.0	!	!END!
436	!	X =	686.572,	4853.041,	0.0,	0.0	!	!END!
437	!	X =	686.672,	4853.041,	0.0,	0.0	!	!END!
438	!	X =	686.772,	4853.041,	0.0,	0.0	!	!END!
439	!	X =	686.872,	4853.041,	0.0,	0.0	!	!END!
440	!	X =	686.972,	4853.041,	0.0,	0.0	!	!END!
441	!	X =	684.972,	4853.141,	0.0,	0.0	!	!END!
442	!	X =	685.072,	4853.141,	0.0,	0.0	!	!END!
443	!	X =	685.172,	4853.141,	0.0,	0.0	!	!END!
444	!	X =	685.272,	4853.141,	0.0,	0.0	!	!END!

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571	!	X =	686.972,	4854.241,	0.0,	0.0	!	!END!
572	!	X =	684.972,	4854.341,	0.0,	0.0	!	!END!
573	!	X =	685.072,	4854.341,	0.0,	0.0	!	!END!
574	!	X =	685.172,	4854.341,	0.0,	0.0	!	!END!
575	!	X =	685.272,	4854.341,	0.0,	0.0	!	!END!
576	!	X =	685.372,	4854.341,	0.0,	0.0	!	!END!
577	!	X =	685.472,	4854.341,	0.0,	0.0	!	!END!
578	!	X =	685.572,	4854.341,	0.0,	0.0	!	!END!
579	!	X =	685.672,	4854.341,	0.0,	0.0	!	!END!
580	!	X =	685.772,	4854.341,	0.0,	0.0	!	!END!
581	!	X =	685.872,	4854.341,	0.0,	0.0	!	!END!
582	!	X =	685.972,	4854.341,	0.0,	0.0	!	!END!
583	!	X =	686.072,	4854.341,	0.0,	0.0	!	!END!
584	!	X =	686.172,	4854.341,	0.0,	0.0	!	!END!
585	!	X =	686.272,	4854.341,	0.0,	0.0	!	!END!
586	!	X =	686.372,	4854.341,	0.0,	0.0	!	!END!
587	!	X =	686.472,	4854.341,	0.0,	0.0	!	!END!
588	!	X =	686.572,	4854.341,	0.0,	0.0	!	!END!
589	!	X =	686.672,	4854.341,	0.0,	0.0	!	!END!
590	!	X =	686.772,	4854.341,	0.0,	0.0	!	!END!
591	!	X =	686.872,	4854.341,	0.0,	0.0	!	!END!
592	!	X =	686.972,	4854.341,	0.0,	0.0	!	!END!
593	!	X =	684.972,	4854.441,	0.0,	0.0	!	!END!
594	!	X =	685.072,	4854.441,	0.0,	0.0	!	!END!
595	!	X =	685.172,	4854.441,	0.0,	0.0	!	!END!
596	!	X =	685.272,	4854.441,	0.0,	0.0	!	!END!
597	!	X =	685.372,	4854.441,	0.0,	0.0	!	!END!
598	!	X =	685.472,	4854.441,	0.0,	0.0	!	!END!
599	!	X =	685.572,	4854.441,	0.0,	0.0	!	!END!
600	!	X =	685.672,	4854.441,	0.0,	0.0	!	!END!
601	!	X =	685.772,	4854.441,	0.0,	0.0	!	!END!
602	!	X =	685.872,	4854.441,	0.0,	0.0	!	!END!
603	!	X =	685.972,	4854.441,	0.0,	0.0	!	!END!
604	!	X =	686.072,	4854.441,	0.0,	0.0	!	!END!
605	!	X =	686.172,	4854.441,	0.0,	0.0	!	!END!
606	!	X =	686.272,	4854.441,	0.0,	0.0	!	!END!
607	!	X =	686.372,	4854.441,	0.0,	0.0	!	!END!
608	!	X =	686.472,	4854.441,	0.0,	0.0	!	!END!
609	!	X =	686.572,	4854.441,	0.0,	0.0	!	!END!
610	!	X =	686.672,	4854.441,	0.0,	0.0	!	!END!
611	!	X =	686.772,	4854.441,	0.0,	0.0	!	!END!
612	!	X =	686.872,	4854.441,	0.0,	0.0	!	!END!
613	!	X =	686.972,	4854.441,	0.0,	0.0	!	!END!
614	!	X =	684.972,	4854.541,	0.0,	0.0	!	!END!
615	!	X =	685.072,	4854.541,	0.0,	0.0	!	!END!
616	!	X =	685.172,	4854.541,	0.0,	0.0	!	!END!
617	!	X =	685.272,	4854.541,	0.0,	0.0	!	!END!
618	!	X =	685.372,	4854.541,	0.0,	0.0	!	!END!
619	!	X =	685.472,	4854.541,	0.0,	0.0	!	!END!
620	!	X =	685.572,	4854.541,	0.0,	0.0	!	!END!
621	!	X =	685.672,	4854.541,	0.0,	0.0	!	!END!
622	!	X =	685.772,	4854.541,	0.0,	0.0	!	!END!
623	!	X =	685.872,	4854.541,	0.0,	0.0	!	!END!
624	!	X =	685.972,	4854.541,	0.0,	0.0	!	!END!
625	!	X =	686.072,	4854.541,	0.0,	0.0	!	!END!
626	!	X =	686.172,	4854.541,	0.0,	0.0	!	!END!
627	!	X =	686.272,	4854.541,	0.0,	0.0	!	!END!
628	!	X =	686.372,	4854.541,	0.0,	0.0	!	!END!
629	!	X =	686.472,	4854.541,	0.0,	0.0	!	!END!
630	!	X =	686.572,	4854.541,	0.0,	0.0	!	!END!
631	!	X =	686.672,	4854.541,	0.0,	0.0	!	!END!
632	!	X =	686.772,	4854.541,	0.0,	0.0	!	!END!
633	!	X =	686.872,	4854.541,	0.0,	0.0	!	!END!

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634	!	X =	686.972,	4854.541,	0.0,	0.0	!	!END!
635	!	X =	684.972,	4854.641,	0.0,	0.0	!	!END!
636	!	X =	685.072,	4854.641,	0.0,	0.0	!	!END!
637	!	X =	685.172,	4854.641,	0.0,	0.0	!	!END!
638	!	X =	685.272,	4854.641,	0.0,	0.0	!	!END!
639	!	X =	685.372,	4854.641,	0.0,	0.0	!	!END!
640	!	X =	685.472,	4854.641,	0.0,	0.0	!	!END!
641	!	X =	685.572,	4854.641,	0.0,	0.0	!	!END!
642	!	X =	685.672,	4854.641,	0.0,	0.0	!	!END!
643	!	X =	685.772,	4854.641,	0.0,	0.0	!	!END!
644	!	X =	685.872,	4854.641,	0.0,	0.0	!	!END!
645	!	X =	685.972,	4854.641,	0.0,	0.0	!	!END!
646	!	X =	686.072,	4854.641,	0.0,	0.0	!	!END!
647	!	X =	686.172,	4854.641,	0.0,	0.0	!	!END!
648	!	X =	686.272,	4854.641,	0.0,	0.0	!	!END!
649	!	X =	686.372,	4854.641,	0.0,	0.0	!	!END!
650	!	X =	686.472,	4854.641,	0.0,	0.0	!	!END!
651	!	X =	686.572,	4854.641,	0.0,	0.0	!	!END!
652	!	X =	686.672,	4854.641,	0.0,	0.0	!	!END!
653	!	X =	686.772,	4854.641,	0.0,	0.0	!	!END!
654	!	X =	686.872,	4854.641,	0.0,	0.0	!	!END!
655	!	X =	686.972,	4854.641,	0.0,	0.0	!	!END!
656	!	X =	684.972,	4854.741,	0.0,	0.0	!	!END!
657	!	X =	685.072,	4854.741,	0.0,	0.0	!	!END!
658	!	X =	685.172,	4854.741,	0.0,	0.0	!	!END!
659	!	X =	685.272,	4854.741,	0.0,	0.0	!	!END!
660	!	X =	685.372,	4854.741,	0.0,	0.0	!	!END!
661	!	X =	685.472,	4854.741,	0.0,	0.0	!	!END!
662	!	X =	685.572,	4854.741,	0.0,	0.0	!	!END!
663	!	X =	685.672,	4854.741,	0.0,	0.0	!	!END!
664	!	X =	685.772,	4854.741,	0.0,	0.0	!	!END!
665	!	X =	685.872,	4854.741,	0.0,	0.0	!	!END!
666	!	X =	685.972,	4854.741,	0.0,	0.0	!	!END!
667	!	X =	686.072,	4854.741,	0.0,	0.0	!	!END!
668	!	X =	686.172,	4854.741,	0.0,	0.0	!	!END!
669	!	X =	686.272,	4854.741,	0.0,	0.0	!	!END!
670	!	X =	686.372,	4854.741,	0.0,	0.0	!	!END!
671	!	X =	686.472,	4854.741,	0.0,	0.0	!	!END!
672	!	X =	686.572,	4854.741,	0.0,	0.0	!	!END!
673	!	X =	686.672,	4854.741,	0.0,	0.0	!	!END!
674	!	X =	686.772,	4854.741,	0.0,	0.0	!	!END!
675	!	X =	686.872,	4854.741,	0.0,	0.0	!	!END!
676	!	X =	686.972,	4854.741,	0.0,	0.0	!	!END!
677	!	X =	683.972,	4851.741,	0.0,	0.0	!	!END!
678	!	X =	684.172,	4851.741,	0.0,	0.0	!	!END!
679	!	X =	684.372,	4851.741,	0.0,	0.0	!	!END!
680	!	X =	684.572,	4851.741,	0.0,	0.0	!	!END!
681	!	X =	684.772,	4851.741,	0.0,	0.0	!	!END!
682	!	X =	684.972,	4851.741,	0.0,	0.0	!	!END!
683	!	X =	685.172,	4851.741,	0.0,	0.0	!	!END!
684	!	X =	685.372,	4851.741,	0.0,	0.0	!	!END!
685	!	X =	685.572,	4851.741,	0.0,	0.0	!	!END!
686	!	X =	685.772,	4851.741,	0.0,	0.0	!	!END!
687	!	X =	685.972,	4851.741,	0.0,	0.0	!	!END!
688	!	X =	686.172,	4851.741,	0.0,	0.0	!	!END!
689	!	X =	686.372,	4851.741,	0.0,	0.0	!	!END!
690	!	X =	686.572,	4851.741,	0.0,	0.0	!	!END!
691	!	X =	686.772,	4851.741,	0.0,	0.0	!	!END!
692	!	X =	686.972,	4851.741,	0.0,	0.0	!	!END!
693	!	X =	687.172,	4851.741,	0.0,	0.0	!	!END!
694	!	X =	687.372,	4851.741,	0.0,	0.0	!	!END!
695	!	X =	687.572,	4851.741,	0.0,	0.0	!	!END!
696	!	X =	687.772,	4851.741,	0.0,	0.0	!	!END!

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697	!	X =	687.972,	4851.741,	0.0,	0.0	!	!END!
698	!	X =	683.972,	4851.941,	0.0,	0.0	!	!END!
699	!	X =	684.172,	4851.941,	0.0,	0.0	!	!END!
700	!	X =	684.372,	4851.941,	0.0,	0.0	!	!END!
701	!	X =	684.572,	4851.941,	0.0,	0.0	!	!END!
702	!	X =	684.772,	4851.941,	0.0,	0.0	!	!END!
703	!	X =	684.972,	4851.941,	0.0,	0.0	!	!END!
704	!	X =	685.172,	4851.941,	0.0,	0.0	!	!END!
705	!	X =	685.372,	4851.941,	0.0,	0.0	!	!END!
706	!	X =	685.572,	4851.941,	0.0,	0.0	!	!END!
707	!	X =	685.772,	4851.941,	0.0,	0.0	!	!END!
708	!	X =	685.972,	4851.941,	0.0,	0.0	!	!END!
709	!	X =	686.172,	4851.941,	0.0,	0.0	!	!END!
710	!	X =	686.372,	4851.941,	0.0,	0.0	!	!END!
711	!	X =	686.572,	4851.941,	0.0,	0.0	!	!END!
712	!	X =	686.772,	4851.941,	0.0,	0.0	!	!END!
713	!	X =	686.972,	4851.941,	0.0,	0.0	!	!END!
714	!	X =	687.172,	4851.941,	0.0,	0.0	!	!END!
715	!	X =	687.372,	4851.941,	0.0,	0.0	!	!END!
716	!	X =	687.572,	4851.941,	0.0,	0.0	!	!END!
717	!	X =	687.772,	4851.941,	0.0,	0.0	!	!END!
718	!	X =	687.972,	4851.941,	0.0,	0.0	!	!END!
719	!	X =	683.972,	4852.141,	0.0,	0.0	!	!END!
720	!	X =	684.172,	4852.141,	0.0,	0.0	!	!END!
721	!	X =	684.372,	4852.141,	0.0,	0.0	!	!END!
722	!	X =	684.572,	4852.141,	0.0,	0.0	!	!END!
723	!	X =	684.772,	4852.141,	0.0,	0.0	!	!END!
724	!	X =	684.972,	4852.141,	0.0,	0.0	!	!END!
725	!	X =	685.172,	4852.141,	0.0,	0.0	!	!END!
726	!	X =	685.372,	4852.141,	0.0,	0.0	!	!END!
727	!	X =	685.572,	4852.141,	0.0,	0.0	!	!END!
728	!	X =	685.772,	4852.141,	0.0,	0.0	!	!END!
729	!	X =	685.972,	4852.141,	0.0,	0.0	!	!END!
730	!	X =	686.172,	4852.141,	0.0,	0.0	!	!END!
731	!	X =	686.372,	4852.141,	0.0,	0.0	!	!END!
732	!	X =	686.572,	4852.141,	0.0,	0.0	!	!END!
733	!	X =	686.772,	4852.141,	0.0,	0.0	!	!END!
734	!	X =	686.972,	4852.141,	0.0,	0.0	!	!END!
735	!	X =	687.172,	4852.141,	0.0,	0.0	!	!END!
736	!	X =	687.372,	4852.141,	0.0,	0.0	!	!END!
737	!	X =	687.572,	4852.141,	0.0,	0.0	!	!END!
738	!	X =	687.772,	4852.141,	0.0,	0.0	!	!END!
739	!	X =	687.972,	4852.141,	0.0,	0.0	!	!END!
740	!	X =	683.972,	4852.341,	0.0,	0.0	!	!END!
741	!	X =	684.172,	4852.341,	0.0,	0.0	!	!END!
742	!	X =	684.372,	4852.341,	0.0,	0.0	!	!END!
743	!	X =	684.572,	4852.341,	0.0,	0.0	!	!END!
744	!	X =	684.772,	4852.341,	0.0,	0.0	!	!END!
745	!	X =	684.972,	4852.341,	0.0,	0.0	!	!END!
746	!	X =	685.172,	4852.341,	0.0,	0.0	!	!END!
747	!	X =	685.372,	4852.341,	0.0,	0.0	!	!END!
748	!	X =	685.572,	4852.341,	0.0,	0.0	!	!END!
749	!	X =	685.772,	4852.341,	0.0,	0.0	!	!END!
750	!	X =	685.972,	4852.341,	0.0,	0.0	!	!END!
751	!	X =	686.172,	4852.341,	0.0,	0.0	!	!END!
752	!	X =	686.372,	4852.341,	0.0,	0.0	!	!END!
753	!	X =	686.572,	4852.341,	0.0,	0.0	!	!END!
754	!	X =	686.772,	4852.341,	0.0,	0.0	!	!END!
755	!	X =	686.972,	4852.341,	0.0,	0.0	!	!END!
756	!	X =	687.172,	4852.341,	0.0,	0.0	!	!END!
757	!	X =	687.372,	4852.341,	0.0,	0.0	!	!END!
758	!	X =	687.572,	4852.341,	0.0,	0.0	!	!END!
759	!	X =	687.772,	4852.341,	0.0,	0.0	!	!END!

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760	!	X =	687.972,	4852.341,	0.0,	0.0	!	!END!
761	!	X =	683.972,	4852.541,	0.0,	0.0	!	!END!
762	!	X =	684.172,	4852.541,	0.0,	0.0	!	!END!
763	!	X =	684.372,	4852.541,	0.0,	0.0	!	!END!
764	!	X =	684.572,	4852.541,	0.0,	0.0	!	!END!
765	!	X =	684.772,	4852.541,	0.0,	0.0	!	!END!
766	!	X =	684.972,	4852.541,	0.0,	0.0	!	!END!
767	!	X =	685.172,	4852.541,	0.0,	0.0	!	!END!
768	!	X =	685.372,	4852.541,	0.0,	0.0	!	!END!
769	!	X =	685.572,	4852.541,	0.0,	0.0	!	!END!
770	!	X =	685.772,	4852.541,	0.0,	0.0	!	!END!
771	!	X =	685.972,	4852.541,	0.0,	0.0	!	!END!
772	!	X =	686.172,	4852.541,	0.0,	0.0	!	!END!
773	!	X =	686.372,	4852.541,	0.0,	0.0	!	!END!
774	!	X =	686.572,	4852.541,	0.0,	0.0	!	!END!
775	!	X =	686.772,	4852.541,	0.0,	0.0	!	!END!
776	!	X =	686.972,	4852.541,	0.0,	0.0	!	!END!
777	!	X =	687.172,	4852.541,	0.0,	0.0	!	!END!
778	!	X =	687.372,	4852.541,	0.0,	0.0	!	!END!
779	!	X =	687.572,	4852.541,	0.0,	0.0	!	!END!
780	!	X =	687.772,	4852.541,	0.0,	0.0	!	!END!
781	!	X =	687.972,	4852.541,	0.0,	0.0	!	!END!
782	!	X =	683.972,	4852.741,	0.0,	0.0	!	!END!
783	!	X =	684.172,	4852.741,	0.0,	0.0	!	!END!
784	!	X =	684.372,	4852.741,	0.0,	0.0	!	!END!
785	!	X =	684.572,	4852.741,	0.0,	0.0	!	!END!
786	!	X =	684.772,	4852.741,	0.0,	0.0	!	!END!
787	!	X =	687.172,	4852.741,	0.0,	0.0	!	!END!
788	!	X =	687.372,	4852.741,	0.0,	0.0	!	!END!
789	!	X =	687.572,	4852.741,	0.0,	0.0	!	!END!
790	!	X =	687.772,	4852.741,	0.0,	0.0	!	!END!
791	!	X =	687.972,	4852.741,	0.0,	0.0	!	!END!
792	!	X =	683.972,	4852.941,	0.0,	0.0	!	!END!
793	!	X =	684.172,	4852.941,	0.0,	0.0	!	!END!
794	!	X =	684.372,	4852.941,	0.0,	0.0	!	!END!
795	!	X =	684.572,	4852.941,	0.0,	0.0	!	!END!
796	!	X =	684.772,	4852.941,	0.0,	0.0	!	!END!
797	!	X =	687.172,	4852.941,	0.0,	0.0	!	!END!
798	!	X =	687.372,	4852.941,	0.0,	0.0	!	!END!
799	!	X =	687.572,	4852.941,	0.0,	0.0	!	!END!
800	!	X =	687.772,	4852.941,	0.0,	0.0	!	!END!
801	!	X =	687.972,	4852.941,	0.0,	0.0	!	!END!
802	!	X =	683.972,	4853.141,	0.0,	0.0	!	!END!
803	!	X =	684.172,	4853.141,	0.0,	0.0	!	!END!
804	!	X =	684.372,	4853.141,	0.0,	0.0	!	!END!
805	!	X =	684.572,	4853.141,	0.0,	0.0	!	!END!
806	!	X =	684.772,	4853.141,	0.0,	0.0	!	!END!
807	!	X =	687.172,	4853.141,	0.0,	0.0	!	!END!
808	!	X =	687.372,	4853.141,	0.0,	0.0	!	!END!
809	!	X =	687.572,	4853.141,	0.0,	0.0	!	!END!
810	!	X =	687.772,	4853.141,	0.0,	0.0	!	!END!
811	!	X =	687.972,	4853.141,	0.0,	0.0	!	!END!
812	!	X =	683.972,	4853.341,	0.0,	0.0	!	!END!
813	!	X =	684.172,	4853.341,	0.0,	0.0	!	!END!
814	!	X =	684.372,	4853.341,	0.0,	0.0	!	!END!
815	!	X =	684.572,	4853.341,	0.0,	0.0	!	!END!
816	!	X =	684.772,	4853.341,	0.0,	0.0	!	!END!
817	!	X =	687.172,	4853.341,	0.0,	0.0	!	!END!
818	!	X =	687.372,	4853.341,	0.0,	0.0	!	!END!
819	!	X =	687.572,	4853.341,	0.0,	0.0	!	!END!
820	!	X =	687.772,	4853.341,	0.0,	0.0	!	!END!
821	!	X =	687.972,	4853.341,	0.0,	0.0	!	!END!
822	!	X =	683.972,	4853.541,	0.0,	0.0	!	!END!

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886	!	X =	684.772,	4854.741,	0.0,	0.0	!	!END!
887	!	X =	687.172,	4854.741,	0.0,	0.0	!	!END!
888	!	X =	687.372,	4854.741,	0.0,	0.0	!	!END!
889	!	X =	687.572,	4854.741,	0.0,	0.0	!	!END!
890	!	X =	687.772,	4854.741,	0.0,	0.0	!	!END!
891	!	X =	687.972,	4854.741,	0.0,	0.0	!	!END!
892	!	X =	683.972,	4854.941,	0.0,	0.0	!	!END!
893	!	X =	684.172,	4854.941,	0.0,	0.0	!	!END!
894	!	X =	684.372,	4854.941,	0.0,	0.0	!	!END!
895	!	X =	684.572,	4854.941,	0.0,	0.0	!	!END!
896	!	X =	684.772,	4854.941,	0.0,	0.0	!	!END!
897	!	X =	684.972,	4854.941,	0.0,	0.0	!	!END!
898	!	X =	685.172,	4854.941,	0.0,	0.0	!	!END!
899	!	X =	685.372,	4854.941,	0.0,	0.0	!	!END!
900	!	X =	685.572,	4854.941,	0.0,	0.0	!	!END!
901	!	X =	685.772,	4854.941,	0.0,	0.0	!	!END!
902	!	X =	685.972,	4854.941,	0.0,	0.0	!	!END!
903	!	X =	686.172,	4854.941,	0.0,	0.0	!	!END!
904	!	X =	686.372,	4854.941,	0.0,	0.0	!	!END!
905	!	X =	686.572,	4854.941,	0.0,	0.0	!	!END!
906	!	X =	686.772,	4854.941,	0.0,	0.0	!	!END!
907	!	X =	686.972,	4854.941,	0.0,	0.0	!	!END!
908	!	X =	687.172,	4854.941,	0.0,	0.0	!	!END!
909	!	X =	687.372,	4854.941,	0.0,	0.0	!	!END!
910	!	X =	687.572,	4854.941,	0.0,	0.0	!	!END!
911	!	X =	687.772,	4854.941,	0.0,	0.0	!	!END!
912	!	X =	687.972,	4854.941,	0.0,	0.0	!	!END!
913	!	X =	683.972,	4855.141,	0.0,	0.0	!	!END!
914	!	X =	684.172,	4855.141,	0.0,	0.0	!	!END!
915	!	X =	684.372,	4855.141,	0.0,	0.0	!	!END!
916	!	X =	684.572,	4855.141,	0.0,	0.0	!	!END!
917	!	X =	684.772,	4855.141,	0.0,	0.0	!	!END!
918	!	X =	684.972,	4855.141,	0.0,	0.0	!	!END!
919	!	X =	685.172,	4855.141,	0.0,	0.0	!	!END!
920	!	X =	685.372,	4855.141,	0.0,	0.0	!	!END!
921	!	X =	685.572,	4855.141,	0.0,	0.0	!	!END!
922	!	X =	685.772,	4855.141,	0.0,	0.0	!	!END!
923	!	X =	685.972,	4855.141,	0.0,	0.0	!	!END!
924	!	X =	686.172,	4855.141,	0.0,	0.0	!	!END!
925	!	X =	686.372,	4855.141,	0.0,	0.0	!	!END!
926	!	X =	686.572,	4855.141,	0.0,	0.0	!	!END!
927	!	X =	686.772,	4855.141,	0.0,	0.0	!	!END!
928	!	X =	686.972,	4855.141,	0.0,	0.0	!	!END!
929	!	X =	687.172,	4855.141,	0.0,	0.0	!	!END!
930	!	X =	687.372,	4855.141,	0.0,	0.0	!	!END!
931	!	X =	687.572,	4855.141,	0.0,	0.0	!	!END!
932	!	X =	687.772,	4855.141,	0.0,	0.0	!	!END!
933	!	X =	687.972,	4855.141,	0.0,	0.0	!	!END!
934	!	X =	683.972,	4855.341,	0.0,	0.0	!	!END!
935	!	X =	684.172,	4855.341,	0.0,	0.0	!	!END!
936	!	X =	684.372,	4855.341,	0.0,	0.0	!	!END!
937	!	X =	684.572,	4855.341,	0.0,	0.0	!	!END!
938	!	X =	684.772,	4855.341,	0.0,	0.0	!	!END!
939	!	X =	684.972,	4855.341,	0.0,	0.0	!	!END!
940	!	X =	685.172,	4855.341,	0.0,	0.0	!	!END!
941	!	X =	685.372,	4855.341,	0.0,	0.0	!	!END!
942	!	X =	685.572,	4855.341,	0.0,	0.0	!	!END!
943	!	X =	685.772,	4855.341,	0.0,	0.0	!	!END!
944	!	X =	685.972,	4855.341,	0.0,	0.0	!	!END!
945	!	X =	686.172,	4855.341,	0.0,	0.0	!	!END!
946	!	X =	686.372,	4855.341,	0.0,	0.0	!	!END!
947	!	X =	686.572,	4855.341,	0.0,	0.0	!	!END!
948	!	X =	686.772,	4855.341,	0.0,	0.0	!	!END!

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949	!	X =	686.972,	4855.341,	0.0,	0.0	!	!END!
950	!	X =	687.172,	4855.341,	0.0,	0.0	!	!END!
951	!	X =	687.372,	4855.341,	0.0,	0.0	!	!END!
952	!	X =	687.572,	4855.341,	0.0,	0.0	!	!END!
953	!	X =	687.772,	4855.341,	0.0,	0.0	!	!END!
954	!	X =	687.972,	4855.341,	0.0,	0.0	!	!END!
955	!	X =	683.972,	4855.541,	0.0,	0.0	!	!END!
956	!	X =	684.172,	4855.541,	0.0,	0.0	!	!END!
957	!	X =	684.372,	4855.541,	0.0,	0.0	!	!END!
958	!	X =	684.572,	4855.541,	0.0,	0.0	!	!END!
959	!	X =	684.772,	4855.541,	0.0,	0.0	!	!END!
960	!	X =	684.972,	4855.541,	0.0,	0.0	!	!END!
961	!	X =	685.172,	4855.541,	0.0,	0.0	!	!END!
962	!	X =	685.372,	4855.541,	0.0,	0.0	!	!END!
963	!	X =	685.572,	4855.541,	0.0,	0.0	!	!END!
964	!	X =	685.772,	4855.541,	0.0,	0.0	!	!END!
965	!	X =	685.972,	4855.541,	0.0,	0.0	!	!END!
966	!	X =	686.172,	4855.541,	0.0,	0.0	!	!END!
967	!	X =	686.372,	4855.541,	0.0,	0.0	!	!END!
968	!	X =	686.572,	4855.541,	0.0,	0.0	!	!END!
969	!	X =	686.772,	4855.541,	0.0,	0.0	!	!END!
970	!	X =	686.972,	4855.541,	0.0,	0.0	!	!END!
971	!	X =	687.172,	4855.541,	0.0,	0.0	!	!END!
972	!	X =	687.372,	4855.541,	0.0,	0.0	!	!END!
973	!	X =	687.572,	4855.541,	0.0,	0.0	!	!END!
974	!	X =	687.772,	4855.541,	0.0,	0.0	!	!END!
975	!	X =	687.972,	4855.541,	0.0,	0.0	!	!END!
976	!	X =	683.972,	4855.741,	0.0,	0.0	!	!END!
977	!	X =	684.172,	4855.741,	0.0,	0.0	!	!END!
978	!	X =	684.372,	4855.741,	0.0,	0.0	!	!END!
979	!	X =	684.572,	4855.741,	0.0,	0.0	!	!END!
980	!	X =	684.772,	4855.741,	0.0,	0.0	!	!END!
981	!	X =	684.972,	4855.741,	0.0,	0.0	!	!END!
982	!	X =	685.172,	4855.741,	0.0,	0.0	!	!END!
983	!	X =	685.372,	4855.741,	0.0,	0.0	!	!END!
984	!	X =	685.572,	4855.741,	0.0,	0.0	!	!END!
985	!	X =	685.772,	4855.741,	0.0,	0.0	!	!END!
986	!	X =	685.972,	4855.741,	0.0,	0.0	!	!END!
987	!	X =	686.172,	4855.741,	0.0,	0.0	!	!END!
988	!	X =	686.372,	4855.741,	0.0,	0.0	!	!END!
989	!	X =	686.572,	4855.741,	0.0,	0.0	!	!END!
990	!	X =	686.772,	4855.741,	0.0,	0.0	!	!END!
991	!	X =	686.972,	4855.741,	0.0,	0.0	!	!END!
992	!	X =	687.172,	4855.741,	0.0,	0.0	!	!END!
993	!	X =	687.372,	4855.741,	0.0,	0.0	!	!END!
994	!	X =	687.572,	4855.741,	0.0,	0.0	!	!END!
995	!	X =	687.772,	4855.741,	0.0,	0.0	!	!END!
996	!	X =	687.972,	4855.741,	0.0,	0.0	!	!END!
997	!	X =	685.472,	4853.241,	0.0,	0.0	!	!END!
998	!	X =	685.522,	4853.241,	0.0,	0.0	!	!END!
999	!	X =	685.572,	4853.241,	0.0,	0.0	!	!END!
1000	!	X =	685.622,	4853.241,	0.0,	0.0	!	!END!
1001	!	X =	685.672,	4853.241,	0.0,	0.0	!	!END!
1002	!	X =	685.722,	4853.241,	0.0,	0.0	!	!END!
1003	!	X =	685.772,	4853.241,	0.0,	0.0	!	!END!
1004	!	X =	685.822,	4853.241,	0.0,	0.0	!	!END!
1005	!	X =	685.872,	4853.241,	0.0,	0.0	!	!END!
1006	!	X =	685.922,	4853.241,	0.0,	0.0	!	!END!
1007	!	X =	685.972,	4853.241,	0.0,	0.0	!	!END!
1008	!	X =	686.022,	4853.241,	0.0,	0.0	!	!END!
1009	!	X =	686.072,	4853.241,	0.0,	0.0	!	!END!
1010	!	X =	686.122,	4853.241,	0.0,	0.0	!	!END!
1011	!	X =	686.172,	4853.241,	0.0,	0.0	!	!END!

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1012	!	X =	686.222,	4853.241,	0.0,	0.0	!	!END!
1013	!	X =	686.272,	4853.241,	0.0,	0.0	!	!END!
1014	!	X =	686.322,	4853.241,	0.0,	0.0	!	!END!
1015	!	X =	686.372,	4853.241,	0.0,	0.0	!	!END!
1016	!	X =	686.422,	4853.241,	0.0,	0.0	!	!END!
1017	!	X =	686.472,	4853.241,	0.0,	0.0	!	!END!
1018	!	X =	685.472,	4853.291,	0.0,	0.0	!	!END!
1019	!	X =	685.522,	4853.291,	0.0,	0.0	!	!END!
1020	!	X =	685.572,	4853.291,	0.0,	0.0	!	!END!
1021	!	X =	685.622,	4853.291,	0.0,	0.0	!	!END!
1022	!	X =	685.672,	4853.291,	0.0,	0.0	!	!END!
1023	!	X =	685.722,	4853.291,	0.0,	0.0	!	!END!
1024	!	X =	685.772,	4853.291,	0.0,	0.0	!	!END!
1025	!	X =	685.822,	4853.291,	0.0,	0.0	!	!END!
1026	!	X =	685.872,	4853.291,	0.0,	0.0	!	!END!
1027	!	X =	685.922,	4853.291,	0.0,	0.0	!	!END!
1028	!	X =	685.972,	4853.291,	0.0,	0.0	!	!END!
1029	!	X =	686.022,	4853.291,	0.0,	0.0	!	!END!
1030	!	X =	686.072,	4853.291,	0.0,	0.0	!	!END!
1031	!	X =	686.122,	4853.291,	0.0,	0.0	!	!END!
1032	!	X =	686.172,	4853.291,	0.0,	0.0	!	!END!
1033	!	X =	686.222,	4853.291,	0.0,	0.0	!	!END!
1034	!	X =	686.272,	4853.291,	0.0,	0.0	!	!END!
1035	!	X =	686.322,	4853.291,	0.0,	0.0	!	!END!
1036	!	X =	686.372,	4853.291,	0.0,	0.0	!	!END!
1037	!	X =	686.422,	4853.291,	0.0,	0.0	!	!END!
1038	!	X =	686.472,	4853.291,	0.0,	0.0	!	!END!
1039	!	X =	685.472,	4853.341,	0.0,	0.0	!	!END!
1040	!	X =	685.522,	4853.341,	0.0,	0.0	!	!END!
1041	!	X =	685.572,	4853.341,	0.0,	0.0	!	!END!
1042	!	X =	685.622,	4853.341,	0.0,	0.0	!	!END!
1043	!	X =	685.672,	4853.341,	0.0,	0.0	!	!END!
1044	!	X =	685.722,	4853.341,	0.0,	0.0	!	!END!
1045	!	X =	685.772,	4853.341,	0.0,	0.0	!	!END!
1046	!	X =	685.822,	4853.341,	0.0,	0.0	!	!END!
1047	!	X =	685.872,	4853.341,	0.0,	0.0	!	!END!
1048	!	X =	685.922,	4853.341,	0.0,	0.0	!	!END!
1049	!	X =	685.972,	4853.341,	0.0,	0.0	!	!END!
1050	!	X =	686.022,	4853.341,	0.0,	0.0	!	!END!
1051	!	X =	686.072,	4853.341,	0.0,	0.0	!	!END!
1052	!	X =	686.122,	4853.341,	0.0,	0.0	!	!END!
1053	!	X =	686.172,	4853.341,	0.0,	0.0	!	!END!
1054	!	X =	686.222,	4853.341,	0.0,	0.0	!	!END!
1055	!	X =	686.272,	4853.341,	0.0,	0.0	!	!END!
1056	!	X =	686.322,	4853.341,	0.0,	0.0	!	!END!
1057	!	X =	686.372,	4853.341,	0.0,	0.0	!	!END!
1058	!	X =	686.422,	4853.341,	0.0,	0.0	!	!END!
1059	!	X =	686.472,	4853.341,	0.0,	0.0	!	!END!
1060	!	X =	685.472,	4853.391,	0.0,	0.0	!	!END!
1061	!	X =	685.522,	4853.391,	0.0,	0.0	!	!END!
1062	!	X =	685.572,	4853.391,	0.0,	0.0	!	!END!
1063	!	X =	685.622,	4853.391,	0.0,	0.0	!	!END!
1064	!	X =	685.672,	4853.391,	0.0,	0.0	!	!END!
1065	!	X =	685.722,	4853.391,	0.0,	0.0	!	!END!
1066	!	X =	685.772,	4853.391,	0.0,	0.0	!	!END!
1067	!	X =	685.822,	4853.391,	0.0,	0.0	!	!END!
1068	!	X =	685.872,	4853.391,	0.0,	0.0	!	!END!
1069	!	X =	685.922,	4853.391,	0.0,	0.0	!	!END!
1070	!	X =	685.972,	4853.391,	0.0,	0.0	!	!END!
1071	!	X =	686.022,	4853.391,	0.0,	0.0	!	!END!
1072	!	X =	686.072,	4853.391,	0.0,	0.0	!	!END!
1073	!	X =	686.122,	4853.391,	0.0,	0.0	!	!END!
1074	!	X =	686.172,	4853.391,	0.0,	0.0	!	!END!

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1075	!	X =	686.222,	4853.391,	0.0,	0.0	!	!END!
1076	!	X =	686.272,	4853.391,	0.0,	0.0	!	!END!
1077	!	X =	686.322,	4853.391,	0.0,	0.0	!	!END!
1078	!	X =	686.372,	4853.391,	0.0,	0.0	!	!END!
1079	!	X =	686.422,	4853.391,	0.0,	0.0	!	!END!
1080	!	X =	686.472,	4853.391,	0.0,	0.0	!	!END!
1081	!	X =	685.472,	4853.441,	0.0,	0.0	!	!END!
1082	!	X =	685.522,	4853.441,	0.0,	0.0	!	!END!
1083	!	X =	685.572,	4853.441,	0.0,	0.0	!	!END!
1084	!	X =	685.622,	4853.441,	0.0,	0.0	!	!END!
1085	!	X =	685.672,	4853.441,	0.0,	0.0	!	!END!
1086	!	X =	685.722,	4853.441,	0.0,	0.0	!	!END!
1087	!	X =	685.772,	4853.441,	0.0,	0.0	!	!END!
1088	!	X =	685.822,	4853.441,	0.0,	0.0	!	!END!
1089	!	X =	685.872,	4853.441,	0.0,	0.0	!	!END!
1090	!	X =	685.922,	4853.441,	0.0,	0.0	!	!END!
1091	!	X =	685.972,	4853.441,	0.0,	0.0	!	!END!
1092	!	X =	686.022,	4853.441,	0.0,	0.0	!	!END!
1093	!	X =	686.072,	4853.441,	0.0,	0.0	!	!END!
1094	!	X =	686.122,	4853.441,	0.0,	0.0	!	!END!
1095	!	X =	686.172,	4853.441,	0.0,	0.0	!	!END!
1096	!	X =	686.222,	4853.441,	0.0,	0.0	!	!END!
1097	!	X =	686.272,	4853.441,	0.0,	0.0	!	!END!
1098	!	X =	686.322,	4853.441,	0.0,	0.0	!	!END!
1099	!	X =	686.372,	4853.441,	0.0,	0.0	!	!END!
1100	!	X =	686.422,	4853.441,	0.0,	0.0	!	!END!
1101	!	X =	686.472,	4853.441,	0.0,	0.0	!	!END!
1102	!	X =	685.472,	4853.491,	0.0,	0.0	!	!END!
1103	!	X =	685.522,	4853.491,	0.0,	0.0	!	!END!
1104	!	X =	685.572,	4853.491,	0.0,	0.0	!	!END!
1105	!	X =	685.622,	4853.491,	0.0,	0.0	!	!END!
1106	!	X =	685.672,	4853.491,	0.0,	0.0	!	!END!
1107	!	X =	685.722,	4853.491,	0.0,	0.0	!	!END!
1108	!	X =	685.772,	4853.491,	0.0,	0.0	!	!END!
1109	!	X =	685.822,	4853.491,	0.0,	0.0	!	!END!
1110	!	X =	685.872,	4853.491,	0.0,	0.0	!	!END!
1111	!	X =	685.922,	4853.491,	0.0,	0.0	!	!END!
1112	!	X =	685.972,	4853.491,	0.0,	0.0	!	!END!
1113	!	X =	686.022,	4853.491,	0.0,	0.0	!	!END!
1114	!	X =	686.072,	4853.491,	0.0,	0.0	!	!END!
1115	!	X =	686.122,	4853.491,	0.0,	0.0	!	!END!
1116	!	X =	686.172,	4853.491,	0.0,	0.0	!	!END!
1117	!	X =	686.222,	4853.491,	0.0,	0.0	!	!END!
1118	!	X =	686.272,	4853.491,	0.0,	0.0	!	!END!
1119	!	X =	686.322,	4853.491,	0.0,	0.0	!	!END!
1120	!	X =	686.372,	4853.491,	0.0,	0.0	!	!END!
1121	!	X =	686.422,	4853.491,	0.0,	0.0	!	!END!
1122	!	X =	686.472,	4853.491,	0.0,	0.0	!	!END!
1123	!	X =	685.472,	4853.541,	0.0,	0.0	!	!END!
1124	!	X =	685.522,	4853.541,	0.0,	0.0	!	!END!
1125	!	X =	685.572,	4853.541,	0.0,	0.0	!	!END!
1126	!	X =	685.622,	4853.541,	0.0,	0.0	!	!END!
1127	!	X =	685.672,	4853.541,	0.0,	0.0	!	!END!
1128	!	X =	685.722,	4853.541,	0.0,	0.0	!	!END!
1129	!	X =	685.772,	4853.541,	0.0,	0.0	!	!END!
1130	!	X =	685.822,	4853.541,	0.0,	0.0	!	!END!
1131	!	X =	685.872,	4853.541,	0.0,	0.0	!	!END!
1132	!	X =	685.922,	4853.541,	0.0,	0.0	!	!END!
1133	!	X =	685.972,	4853.541,	0.0,	0.0	!	!END!
1134	!	X =	686.022,	4853.541,	0.0,	0.0	!	!END!
1135	!	X =	686.072,	4853.541,	0.0,	0.0	!	!END!
1136	!	X =	686.122,	4853.541,	0.0,	0.0	!	!END!
1137	!	X =	686.172,	4853.541,	0.0,	0.0	!	!END!

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1138	!	X =	686.222,	4853.541,	0.0,	0.0	!	!END!
1139	!	X =	686.272,	4853.541,	0.0,	0.0	!	!END!
1140	!	X =	686.322,	4853.541,	0.0,	0.0	!	!END!
1141	!	X =	686.372,	4853.541,	0.0,	0.0	!	!END!
1142	!	X =	686.422,	4853.541,	0.0,	0.0	!	!END!
1143	!	X =	686.472,	4853.541,	0.0,	0.0	!	!END!
1144	!	X =	685.472,	4853.591,	0.0,	0.0	!	!END!
1145	!	X =	685.522,	4853.591,	0.0,	0.0	!	!END!
1146	!	X =	685.572,	4853.591,	0.0,	0.0	!	!END!
1147	!	X =	685.622,	4853.591,	0.0,	0.0	!	!END!
1148	!	X =	685.672,	4853.591,	0.0,	0.0	!	!END!
1149	!	X =	685.722,	4853.591,	0.0,	0.0	!	!END!
1150	!	X =	685.772,	4853.591,	0.0,	0.0	!	!END!
1151	!	X =	685.822,	4853.591,	0.0,	0.0	!	!END!
1152	!	X =	685.872,	4853.591,	0.0,	0.0	!	!END!
1153	!	X =	685.922,	4853.591,	0.0,	0.0	!	!END!
1154	!	X =	685.972,	4853.591,	0.0,	0.0	!	!END!
1155	!	X =	686.022,	4853.591,	0.0,	0.0	!	!END!
1156	!	X =	686.072,	4853.591,	0.0,	0.0	!	!END!
1157	!	X =	686.122,	4853.591,	0.0,	0.0	!	!END!
1158	!	X =	686.172,	4853.591,	0.0,	0.0	!	!END!
1159	!	X =	686.222,	4853.591,	0.0,	0.0	!	!END!
1160	!	X =	686.272,	4853.591,	0.0,	0.0	!	!END!
1161	!	X =	686.322,	4853.591,	0.0,	0.0	!	!END!
1162	!	X =	686.372,	4853.591,	0.0,	0.0	!	!END!
1163	!	X =	686.422,	4853.591,	0.0,	0.0	!	!END!
1164	!	X =	686.472,	4853.591,	0.0,	0.0	!	!END!
1165	!	X =	685.472,	4853.641,	0.0,	0.0	!	!END!
1166	!	X =	685.522,	4853.641,	0.0,	0.0	!	!END!
1167	!	X =	685.572,	4853.641,	0.0,	0.0	!	!END!
1168	!	X =	685.622,	4853.641,	0.0,	0.0	!	!END!
1169	!	X =	685.672,	4853.641,	0.0,	0.0	!	!END!
1170	!	X =	685.722,	4853.641,	0.0,	0.0	!	!END!
1171	!	X =	685.772,	4853.641,	0.0,	0.0	!	!END!
1172	!	X =	685.822,	4853.641,	0.0,	0.0	!	!END!
1173	!	X =	685.872,	4853.641,	0.0,	0.0	!	!END!
1174	!	X =	685.922,	4853.641,	0.0,	0.0	!	!END!
1175	!	X =	685.972,	4853.641,	0.0,	0.0	!	!END!
1176	!	X =	686.022,	4853.641,	0.0,	0.0	!	!END!
1177	!	X =	686.072,	4853.641,	0.0,	0.0	!	!END!
1178	!	X =	686.122,	4853.641,	0.0,	0.0	!	!END!
1179	!	X =	686.172,	4853.641,	0.0,	0.0	!	!END!
1180	!	X =	686.222,	4853.641,	0.0,	0.0	!	!END!
1181	!	X =	686.272,	4853.641,	0.0,	0.0	!	!END!
1182	!	X =	686.322,	4853.641,	0.0,	0.0	!	!END!
1183	!	X =	686.372,	4853.641,	0.0,	0.0	!	!END!
1184	!	X =	686.422,	4853.641,	0.0,	0.0	!	!END!
1185	!	X =	686.472,	4853.641,	0.0,	0.0	!	!END!
1186	!	X =	685.472,	4853.691,	0.0,	0.0	!	!END!
1187	!	X =	685.522,	4853.691,	0.0,	0.0	!	!END!
1188	!	X =	685.572,	4853.691,	0.0,	0.0	!	!END!
1189	!	X =	685.622,	4853.691,	0.0,	0.0	!	!END!
1190	!	X =	685.672,	4853.691,	0.0,	0.0	!	!END!
1191	!	X =	685.722,	4853.691,	0.0,	0.0	!	!END!
1192	!	X =	685.772,	4853.691,	0.0,	0.0	!	!END!
1193	!	X =	685.822,	4853.691,	0.0,	0.0	!	!END!
1194	!	X =	685.872,	4853.691,	0.0,	0.0	!	!END!
1195	!	X =	685.922,	4853.691,	0.0,	0.0	!	!END!
1196	!	X =	685.972,	4853.691,	0.0,	0.0	!	!END!
1197	!	X =	686.022,	4853.691,	0.0,	0.0	!	!END!
1198	!	X =	686.072,	4853.691,	0.0,	0.0	!	!END!
1199	!	X =	686.122,	4853.691,	0.0,	0.0	!	!END!
1200	!	X =	686.172,	4853.691,	0.0,	0.0	!	!END!

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1201	!	X =	686.222,	4853.691,	0.0,	0.0	!	!END!
1202	!	X =	686.272,	4853.691,	0.0,	0.0	!	!END!
1203	!	X =	686.322,	4853.691,	0.0,	0.0	!	!END!
1204	!	X =	686.372,	4853.691,	0.0,	0.0	!	!END!
1205	!	X =	686.422,	4853.691,	0.0,	0.0	!	!END!
1206	!	X =	686.472,	4853.691,	0.0,	0.0	!	!END!
1207	!	X =	685.472,	4853.741,	0.0,	0.0	!	!END!
1208	!	X =	685.522,	4853.741,	0.0,	0.0	!	!END!
1209	!	X =	685.572,	4853.741,	0.0,	0.0	!	!END!
1210	!	X =	685.622,	4853.741,	0.0,	0.0	!	!END!
1211	!	X =	685.672,	4853.741,	0.0,	0.0	!	!END!
1212	!	X =	685.722,	4853.741,	0.0,	0.0	!	!END!
1213	!	X =	685.772,	4853.741,	0.0,	0.0	!	!END!
1214	!	X =	685.822,	4853.741,	0.0,	0.0	!	!END!
1215	!	X =	685.872,	4853.741,	0.0,	0.0	!	!END!
1216	!	X =	685.922,	4853.741,	0.0,	0.0	!	!END!
1217	!	X =	686.022,	4853.741,	0.0,	0.0	!	!END!
1218	!	X =	686.072,	4853.741,	0.0,	0.0	!	!END!
1219	!	X =	686.122,	4853.741,	0.0,	0.0	!	!END!
1220	!	X =	686.172,	4853.741,	0.0,	0.0	!	!END!
1221	!	X =	686.222,	4853.741,	0.0,	0.0	!	!END!
1222	!	X =	686.272,	4853.741,	0.0,	0.0	!	!END!
1223	!	X =	686.322,	4853.741,	0.0,	0.0	!	!END!
1224	!	X =	686.372,	4853.741,	0.0,	0.0	!	!END!
1225	!	X =	686.422,	4853.741,	0.0,	0.0	!	!END!
1226	!	X =	686.472,	4853.741,	0.0,	0.0	!	!END!
1227	!	X =	685.472,	4853.791,	0.0,	0.0	!	!END!
1228	!	X =	685.522,	4853.791,	0.0,	0.0	!	!END!
1229	!	X =	685.572,	4853.791,	0.0,	0.0	!	!END!
1230	!	X =	685.622,	4853.791,	0.0,	0.0	!	!END!
1231	!	X =	685.672,	4853.791,	0.0,	0.0	!	!END!
1232	!	X =	685.722,	4853.791,	0.0,	0.0	!	!END!
1233	!	X =	685.772,	4853.791,	0.0,	0.0	!	!END!
1234	!	X =	685.822,	4853.791,	0.0,	0.0	!	!END!
1235	!	X =	685.872,	4853.791,	0.0,	0.0	!	!END!
1236	!	X =	685.922,	4853.791,	0.0,	0.0	!	!END!
1237	!	X =	685.972,	4853.791,	0.0,	0.0	!	!END!
1238	!	X =	686.022,	4853.791,	0.0,	0.0	!	!END!
1239	!	X =	686.072,	4853.791,	0.0,	0.0	!	!END!
1240	!	X =	686.122,	4853.791,	0.0,	0.0	!	!END!
1241	!	X =	686.172,	4853.791,	0.0,	0.0	!	!END!
1242	!	X =	686.222,	4853.791,	0.0,	0.0	!	!END!
1243	!	X =	686.272,	4853.791,	0.0,	0.0	!	!END!
1244	!	X =	686.322,	4853.791,	0.0,	0.0	!	!END!
1245	!	X =	686.372,	4853.791,	0.0,	0.0	!	!END!
1246	!	X =	686.422,	4853.791,	0.0,	0.0	!	!END!
1247	!	X =	686.472,	4853.791,	0.0,	0.0	!	!END!
1248	!	X =	685.472,	4853.841,	0.0,	0.0	!	!END!
1249	!	X =	685.522,	4853.841,	0.0,	0.0	!	!END!
1250	!	X =	685.572,	4853.841,	0.0,	0.0	!	!END!
1251	!	X =	685.622,	4853.841,	0.0,	0.0	!	!END!
1252	!	X =	685.672,	4853.841,	0.0,	0.0	!	!END!
1253	!	X =	685.722,	4853.841,	0.0,	0.0	!	!END!
1254	!	X =	685.772,	4853.841,	0.0,	0.0	!	!END!
1255	!	X =	685.822,	4853.841,	0.0,	0.0	!	!END!
1256	!	X =	685.872,	4853.841,	0.0,	0.0	!	!END!
1257	!	X =	685.922,	4853.841,	0.0,	0.0	!	!END!
1258	!	X =	685.972,	4853.841,	0.0,	0.0	!	!END!
1259	!	X =	686.022,	4853.841,	0.0,	0.0	!	!END!
1260	!	X =	686.072,	4853.841,	0.0,	0.0	!	!END!
1261	!	X =	686.122,	4853.841,	0.0,	0.0	!	!END!
1262	!	X =	686.172,	4853.841,	0.0,	0.0	!	!END!
1263	!	X =	686.222,	4853.841,	0.0,	0.0	!	!END!

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1264	!	X =	686.272,	4853.841,	0.0,	0.0	!	!END!
1265	!	X =	686.322,	4853.841,	0.0,	0.0	!	!END!
1266	!	X =	686.372,	4853.841,	0.0,	0.0	!	!END!
1267	!	X =	686.422,	4853.841,	0.0,	0.0	!	!END!
1268	!	X =	686.472,	4853.841,	0.0,	0.0	!	!END!
1269	!	X =	685.472,	4853.891,	0.0,	0.0	!	!END!
1270	!	X =	685.522,	4853.891,	0.0,	0.0	!	!END!
1271	!	X =	685.572,	4853.891,	0.0,	0.0	!	!END!
1272	!	X =	685.622,	4853.891,	0.0,	0.0	!	!END!
1273	!	X =	685.672,	4853.891,	0.0,	0.0	!	!END!
1274	!	X =	685.722,	4853.891,	0.0,	0.0	!	!END!
1275	!	X =	685.772,	4853.891,	0.0,	0.0	!	!END!
1276	!	X =	685.822,	4853.891,	0.0,	0.0	!	!END!
1277	!	X =	685.872,	4853.891,	0.0,	0.0	!	!END!
1278	!	X =	685.922,	4853.891,	0.0,	0.0	!	!END!
1279	!	X =	685.972,	4853.891,	0.0,	0.0	!	!END!
1280	!	X =	686.022,	4853.891,	0.0,	0.0	!	!END!
1281	!	X =	686.072,	4853.891,	0.0,	0.0	!	!END!
1282	!	X =	686.122,	4853.891,	0.0,	0.0	!	!END!
1283	!	X =	686.172,	4853.891,	0.0,	0.0	!	!END!
1284	!	X =	686.222,	4853.891,	0.0,	0.0	!	!END!
1285	!	X =	686.272,	4853.891,	0.0,	0.0	!	!END!
1286	!	X =	686.322,	4853.891,	0.0,	0.0	!	!END!
1287	!	X =	686.372,	4853.891,	0.0,	0.0	!	!END!
1288	!	X =	686.422,	4853.891,	0.0,	0.0	!	!END!
1289	!	X =	686.472,	4853.891,	0.0,	0.0	!	!END!
1290	!	X =	685.472,	4853.941,	0.0,	0.0	!	!END!
1291	!	X =	685.522,	4853.941,	0.0,	0.0	!	!END!
1292	!	X =	685.572,	4853.941,	0.0,	0.0	!	!END!
1293	!	X =	685.622,	4853.941,	0.0,	0.0	!	!END!
1294	!	X =	685.672,	4853.941,	0.0,	0.0	!	!END!
1295	!	X =	685.722,	4853.941,	0.0,	0.0	!	!END!
1296	!	X =	685.772,	4853.941,	0.0,	0.0	!	!END!
1297	!	X =	685.822,	4853.941,	0.0,	0.0	!	!END!
1298	!	X =	685.872,	4853.941,	0.0,	0.0	!	!END!
1299	!	X =	685.922,	4853.941,	0.0,	0.0	!	!END!
1300	!	X =	685.972,	4853.941,	0.0,	0.0	!	!END!
1301	!	X =	686.022,	4853.941,	0.0,	0.0	!	!END!
1302	!	X =	686.072,	4853.941,	0.0,	0.0	!	!END!
1303	!	X =	686.122,	4853.941,	0.0,	0.0	!	!END!
1304	!	X =	686.172,	4853.941,	0.0,	0.0	!	!END!
1305	!	X =	686.222,	4853.941,	0.0,	0.0	!	!END!
1306	!	X =	686.272,	4853.941,	0.0,	0.0	!	!END!
1307	!	X =	686.322,	4853.941,	0.0,	0.0	!	!END!
1308	!	X =	686.372,	4853.941,	0.0,	0.0	!	!END!
1309	!	X =	686.422,	4853.941,	0.0,	0.0	!	!END!
1310	!	X =	686.472,	4853.941,	0.0,	0.0	!	!END!
1311	!	X =	685.472,	4853.991,	0.0,	0.0	!	!END!
1312	!	X =	685.522,	4853.991,	0.0,	0.0	!	!END!
1313	!	X =	685.572,	4853.991,	0.0,	0.0	!	!END!
1314	!	X =	685.622,	4853.991,	0.0,	0.0	!	!END!
1315	!	X =	685.672,	4853.991,	0.0,	0.0	!	!END!
1316	!	X =	685.722,	4853.991,	0.0,	0.0	!	!END!
1317	!	X =	685.772,	4853.991,	0.0,	0.0	!	!END!
1318	!	X =	685.822,	4853.991,	0.0,	0.0	!	!END!
1319	!	X =	685.872,	4853.991,	0.0,	0.0	!	!END!
1320	!	X =	685.922,	4853.991,	0.0,	0.0	!	!END!
1321	!	X =	685.972,	4853.991,	0.0,	0.0	!	!END!
1322	!	X =	686.022,	4853.991,	0.0,	0.0	!	!END!
1323	!	X =	686.072,	4853.991,	0.0,	0.0	!	!END!
1324	!	X =	686.122,	4853.991,	0.0,	0.0	!	!END!
1325	!	X =	686.172,	4853.991,	0.0,	0.0	!	!END!
1326	!	X =	686.222,	4853.991,	0.0,	0.0	!	!END!

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1327	!	X =	686.272,	4853.991,	0.0,	0.0	!	!END!
1328	!	X =	686.322,	4853.991,	0.0,	0.0	!	!END!
1329	!	X =	686.372,	4853.991,	0.0,	0.0	!	!END!
1330	!	X =	686.422,	4853.991,	0.0,	0.0	!	!END!
1331	!	X =	686.472,	4853.991,	0.0,	0.0	!	!END!
1332	!	X =	685.472,	4854.041,	0.0,	0.0	!	!END!
1333	!	X =	685.522,	4854.041,	0.0,	0.0	!	!END!
1334	!	X =	685.572,	4854.041,	0.0,	0.0	!	!END!
1335	!	X =	685.622,	4854.041,	0.0,	0.0	!	!END!
1336	!	X =	685.672,	4854.041,	0.0,	0.0	!	!END!
1337	!	X =	685.722,	4854.041,	0.0,	0.0	!	!END!
1338	!	X =	685.772,	4854.041,	0.0,	0.0	!	!END!
1339	!	X =	685.822,	4854.041,	0.0,	0.0	!	!END!
1340	!	X =	685.872,	4854.041,	0.0,	0.0	!	!END!
1341	!	X =	685.922,	4854.041,	0.0,	0.0	!	!END!
1342	!	X =	685.972,	4854.041,	0.0,	0.0	!	!END!
1343	!	X =	686.022,	4854.041,	0.0,	0.0	!	!END!
1344	!	X =	686.072,	4854.041,	0.0,	0.0	!	!END!
1345	!	X =	686.122,	4854.041,	0.0,	0.0	!	!END!
1346	!	X =	686.172,	4854.041,	0.0,	0.0	!	!END!
1347	!	X =	686.222,	4854.041,	0.0,	0.0	!	!END!
1348	!	X =	686.272,	4854.041,	0.0,	0.0	!	!END!
1349	!	X =	686.322,	4854.041,	0.0,	0.0	!	!END!
1350	!	X =	686.372,	4854.041,	0.0,	0.0	!	!END!
1351	!	X =	686.422,	4854.041,	0.0,	0.0	!	!END!
1352	!	X =	686.472,	4854.041,	0.0,	0.0	!	!END!
1353	!	X =	685.472,	4854.091,	0.0,	0.0	!	!END!
1354	!	X =	685.522,	4854.091,	0.0,	0.0	!	!END!
1355	!	X =	685.572,	4854.091,	0.0,	0.0	!	!END!
1356	!	X =	685.622,	4854.091,	0.0,	0.0	!	!END!
1357	!	X =	685.672,	4854.091,	0.0,	0.0	!	!END!
1358	!	X =	685.722,	4854.091,	0.0,	0.0	!	!END!
1359	!	X =	685.772,	4854.091,	0.0,	0.0	!	!END!
1360	!	X =	685.822,	4854.091,	0.0,	0.0	!	!END!
1361	!	X =	685.872,	4854.091,	0.0,	0.0	!	!END!
1362	!	X =	685.922,	4854.091,	0.0,	0.0	!	!END!
1363	!	X =	685.972,	4854.091,	0.0,	0.0	!	!END!
1364	!	X =	686.022,	4854.091,	0.0,	0.0	!	!END!
1365	!	X =	686.072,	4854.091,	0.0,	0.0	!	!END!
1366	!	X =	686.122,	4854.091,	0.0,	0.0	!	!END!
1367	!	X =	686.172,	4854.091,	0.0,	0.0	!	!END!
1368	!	X =	686.222,	4854.091,	0.0,	0.0	!	!END!
1369	!	X =	686.272,	4854.091,	0.0,	0.0	!	!END!
1370	!	X =	686.322,	4854.091,	0.0,	0.0	!	!END!
1371	!	X =	686.372,	4854.091,	0.0,	0.0	!	!END!
1372	!	X =	686.422,	4854.091,	0.0,	0.0	!	!END!
1373	!	X =	686.472,	4854.091,	0.0,	0.0	!	!END!
1374	!	X =	685.472,	4854.141,	0.0,	0.0	!	!END!
1375	!	X =	685.522,	4854.141,	0.0,	0.0	!	!END!
1376	!	X =	685.572,	4854.141,	0.0,	0.0	!	!END!
1377	!	X =	685.622,	4854.141,	0.0,	0.0	!	!END!
1378	!	X =	685.672,	4854.141,	0.0,	0.0	!	!END!
1379	!	X =	685.722,	4854.141,	0.0,	0.0	!	!END!
1380	!	X =	685.772,	4854.141,	0.0,	0.0	!	!END!
1381	!	X =	685.822,	4854.141,	0.0,	0.0	!	!END!
1382	!	X =	685.872,	4854.141,	0.0,	0.0	!	!END!
1383	!	X =	685.922,	4854.141,	0.0,	0.0	!	!END!
1384	!	X =	685.972,	4854.141,	0.0,	0.0	!	!END!
1385	!	X =	686.022,	4854.141,	0.0,	0.0	!	!END!
1386	!	X =	686.072,	4854.141,	0.0,	0.0	!	!END!
1387	!	X =	686.122,	4854.141,	0.0,	0.0	!	!END!
1388	!	X =	686.172,	4854.141,	0.0,	0.0	!	!END!
1389	!	X =	686.222,	4854.141,	0.0,	0.0	!	!END!

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1390	!	X =	686.272,	4854.141,	0.0,	0.0	!	!END!
1391	!	X =	686.322,	4854.141,	0.0,	0.0	!	!END!
1392	!	X =	686.372,	4854.141,	0.0,	0.0	!	!END!
1393	!	X =	686.422,	4854.141,	0.0,	0.0	!	!END!
1394	!	X =	686.472,	4854.141,	0.0,	0.0	!	!END!
1395	!	X =	685.472,	4854.191,	0.0,	0.0	!	!END!
1396	!	X =	685.522,	4854.191,	0.0,	0.0	!	!END!
1397	!	X =	685.572,	4854.191,	0.0,	0.0	!	!END!
1398	!	X =	685.622,	4854.191,	0.0,	0.0	!	!END!
1399	!	X =	685.672,	4854.191,	0.0,	0.0	!	!END!
1400	!	X =	685.722,	4854.191,	0.0,	0.0	!	!END!
1401	!	X =	685.772,	4854.191,	0.0,	0.0	!	!END!
1402	!	X =	685.822,	4854.191,	0.0,	0.0	!	!END!
1403	!	X =	685.872,	4854.191,	0.0,	0.0	!	!END!
1404	!	X =	685.922,	4854.191,	0.0,	0.0	!	!END!
1405	!	X =	685.972,	4854.191,	0.0,	0.0	!	!END!
1406	!	X =	686.022,	4854.191,	0.0,	0.0	!	!END!
1407	!	X =	686.072,	4854.191,	0.0,	0.0	!	!END!
1408	!	X =	686.122,	4854.191,	0.0,	0.0	!	!END!
1409	!	X =	686.172,	4854.191,	0.0,	0.0	!	!END!
1410	!	X =	686.222,	4854.191,	0.0,	0.0	!	!END!
1411	!	X =	686.272,	4854.191,	0.0,	0.0	!	!END!
1412	!	X =	686.322,	4854.191,	0.0,	0.0	!	!END!
1413	!	X =	686.372,	4854.191,	0.0,	0.0	!	!END!
1414	!	X =	686.422,	4854.191,	0.0,	0.0	!	!END!
1415	!	X =	686.472,	4854.191,	0.0,	0.0	!	!END!
1416	!	X =	685.472,	4854.241,	0.0,	0.0	!	!END!
1417	!	X =	685.522,	4854.241,	0.0,	0.0	!	!END!
1418	!	X =	685.572,	4854.241,	0.0,	0.0	!	!END!
1419	!	X =	685.622,	4854.241,	0.0,	0.0	!	!END!
1420	!	X =	685.672,	4854.241,	0.0,	0.0	!	!END!
1421	!	X =	685.722,	4854.241,	0.0,	0.0	!	!END!
1422	!	X =	685.772,	4854.241,	0.0,	0.0	!	!END!
1423	!	X =	685.822,	4854.241,	0.0,	0.0	!	!END!
1424	!	X =	685.872,	4854.241,	0.0,	0.0	!	!END!
1425	!	X =	685.922,	4854.241,	0.0,	0.0	!	!END!
1426	!	X =	685.972,	4854.241,	0.0,	0.0	!	!END!
1427	!	X =	686.022,	4854.241,	0.0,	0.0	!	!END!
1428	!	X =	686.072,	4854.241,	0.0,	0.0	!	!END!
1429	!	X =	686.122,	4854.241,	0.0,	0.0	!	!END!
1430	!	X =	686.172,	4854.241,	0.0,	0.0	!	!END!
1431	!	X =	686.222,	4854.241,	0.0,	0.0	!	!END!
1432	!	X =	686.272,	4854.241,	0.0,	0.0	!	!END!
1433	!	X =	686.322,	4854.241,	0.0,	0.0	!	!END!
1434	!	X =	686.372,	4854.241,	0.0,	0.0	!	!END!
1435	!	X =	686.422,	4854.241,	0.0,	0.0	!	!END!
1436	!	X =	686.472,	4854.241,	0.0,	0.0	!	!END!
1437	!	X =	684.972,	4852.741,	0.0,	0.0	!	!END!
1438	!	X =	685.072,	4852.741,	0.0,	0.0	!	!END!
1439	!	X =	685.172,	4852.741,	0.0,	0.0	!	!END!
1440	!	X =	685.272,	4852.741,	0.0,	0.0	!	!END!
1441	!	X =	685.372,	4852.741,	0.0,	0.0	!	!END!
1442	!	X =	685.472,	4852.741,	0.0,	0.0	!	!END!
1443	!	X =	685.572,	4852.741,	0.0,	0.0	!	!END!
1444	!	X =	685.672,	4852.741,	0.0,	0.0	!	!END!
1445	!	X =	685.772,	4852.741,	0.0,	0.0	!	!END!
1446	!	X =	685.872,	4852.741,	0.0,	0.0	!	!END!
1447	!	X =	685.972,	4852.741,	0.0,	0.0	!	!END!
1448	!	X =	686.072,	4852.741,	0.0,	0.0	!	!END!
1449	!	X =	686.172,	4852.741,	0.0,	0.0	!	!END!
1450	!	X =	686.272,	4852.741,	0.0,	0.0	!	!END!
1451	!	X =	686.372,	4852.741,	0.0,	0.0	!	!END!
1452	!	X =	686.472,	4852.741,	0.0,	0.0	!	!END!

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1453	!	X =	686.572,	4852.741,	0.0,	0.0	!	!END!
1454	!	X =	686.672,	4852.741,	0.0,	0.0	!	!END!
1455	!	X =	686.772,	4852.741,	0.0,	0.0	!	!END!
1456	!	X =	686.872,	4852.741,	0.0,	0.0	!	!END!
1457	!	X =	686.972,	4852.741,	0.0,	0.0	!	!END!
1458	!	X =	684.972,	4852.841,	0.0,	0.0	!	!END!
1459	!	X =	685.072,	4852.841,	0.0,	0.0	!	!END!
1460	!	X =	685.172,	4852.841,	0.0,	0.0	!	!END!
1461	!	X =	685.272,	4852.841,	0.0,	0.0	!	!END!
1462	!	X =	685.372,	4852.841,	0.0,	0.0	!	!END!
1463	!	X =	685.472,	4852.841,	0.0,	0.0	!	!END!
1464	!	X =	685.572,	4852.841,	0.0,	0.0	!	!END!
1465	!	X =	685.672,	4852.841,	0.0,	0.0	!	!END!
1466	!	X =	685.772,	4852.841,	0.0,	0.0	!	!END!
1467	!	X =	685.872,	4852.841,	0.0,	0.0	!	!END!
1468	!	X =	685.972,	4852.841,	0.0,	0.0	!	!END!
1469	!	X =	686.072,	4852.841,	0.0,	0.0	!	!END!
1470	!	X =	686.172,	4852.841,	0.0,	0.0	!	!END!
1471	!	X =	686.272,	4852.841,	0.0,	0.0	!	!END!
1472	!	X =	686.372,	4852.841,	0.0,	0.0	!	!END!
1473	!	X =	686.472,	4852.841,	0.0,	0.0	!	!END!
1474	!	X =	686.572,	4852.841,	0.0,	0.0	!	!END!
1475	!	X =	686.672,	4852.841,	0.0,	0.0	!	!END!
1476	!	X =	686.772,	4852.841,	0.0,	0.0	!	!END!
1477	!	X =	686.872,	4852.841,	0.0,	0.0	!	!END!
1478	!	X =	686.972,	4852.841,	0.0,	0.0	!	!END!
1479	!	X =	684.972,	4852.941,	0.0,	0.0	!	!END!
1480	!	X =	685.072,	4852.941,	0.0,	0.0	!	!END!
1481	!	X =	685.172,	4852.941,	0.0,	0.0	!	!END!
1482	!	X =	685.272,	4852.941,	0.0,	0.0	!	!END!
1483	!	X =	685.372,	4852.941,	0.0,	0.0	!	!END!
1484	!	X =	685.472,	4852.941,	0.0,	0.0	!	!END!
1485	!	X =	685.572,	4852.941,	0.0,	0.0	!	!END!
1486	!	X =	685.672,	4852.941,	0.0,	0.0	!	!END!
1487	!	X =	685.772,	4852.941,	0.0,	0.0	!	!END!
1488	!	X =	685.872,	4852.941,	0.0,	0.0	!	!END!
1489	!	X =	685.972,	4852.941,	0.0,	0.0	!	!END!
1490	!	X =	686.072,	4852.941,	0.0,	0.0	!	!END!
1491	!	X =	686.172,	4852.941,	0.0,	0.0	!	!END!
1492	!	X =	686.272,	4852.941,	0.0,	0.0	!	!END!
1493	!	X =	686.372,	4852.941,	0.0,	0.0	!	!END!
1494	!	X =	686.472,	4852.941,	0.0,	0.0	!	!END!
1495	!	X =	686.572,	4852.941,	0.0,	0.0	!	!END!
1496	!	X =	686.672,	4852.941,	0.0,	0.0	!	!END!
1497	!	X =	686.772,	4852.941,	0.0,	0.0	!	!END!
1498	!	X =	686.872,	4852.941,	0.0,	0.0	!	!END!
1499	!	X =	686.972,	4852.941,	0.0,	0.0	!	!END!
1500	!	X =	684.972,	4853.041,	0.0,	0.0	!	!END!
1501	!	X =	685.072,	4853.041,	0.0,	0.0	!	!END!
1502	!	X =	685.172,	4853.041,	0.0,	0.0	!	!END!
1503	!	X =	685.272,	4853.041,	0.0,	0.0	!	!END!
1504	!	X =	685.372,	4853.041,	0.0,	0.0	!	!END!
1505	!	X =	685.472,	4853.041,	0.0,	0.0	!	!END!
1506	!	X =	685.572,	4853.041,	0.0,	0.0	!	!END!
1507	!	X =	685.672,	4853.041,	0.0,	0.0	!	!END!
1508	!	X =	685.772,	4853.041,	0.0,	0.0	!	!END!
1509	!	X =	685.872,	4853.041,	0.0,	0.0	!	!END!
1510	!	X =	685.972,	4853.041,	0.0,	0.0	!	!END!
1511	!	X =	686.072,	4853.041,	0.0,	0.0	!	!END!
1512	!	X =	686.172,	4853.041,	0.0,	0.0	!	!END!
1513	!	X =	686.272,	4853.041,	0.0,	0.0	!	!END!
1514	!	X =	686.372,	4853.041,	0.0,	0.0	!	!END!
1515	!	X =	686.472,	4853.041,	0.0,	0.0	!	!END!

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1516	!	X =	686.572,	4853.041,	0.0,	0.0	!	!END!
1517	!	X =	686.672,	4853.041,	0.0,	0.0	!	!END!
1518	!	X =	686.772,	4853.041,	0.0,	0.0	!	!END!
1519	!	X =	686.872,	4853.041,	0.0,	0.0	!	!END!
1520	!	X =	686.972,	4853.041,	0.0,	0.0	!	!END!
1521	!	X =	684.972,	4853.141,	0.0,	0.0	!	!END!
1522	!	X =	685.072,	4853.141,	0.0,	0.0	!	!END!
1523	!	X =	685.172,	4853.141,	0.0,	0.0	!	!END!
1524	!	X =	685.272,	4853.141,	0.0,	0.0	!	!END!
1525	!	X =	685.372,	4853.141,	0.0,	0.0	!	!END!
1526	!	X =	685.472,	4853.141,	0.0,	0.0	!	!END!
1527	!	X =	685.572,	4853.141,	0.0,	0.0	!	!END!
1528	!	X =	685.672,	4853.141,	0.0,	0.0	!	!END!
1529	!	X =	685.772,	4853.141,	0.0,	0.0	!	!END!
1530	!	X =	685.872,	4853.141,	0.0,	0.0	!	!END!
1531	!	X =	685.972,	4853.141,	0.0,	0.0	!	!END!
1532	!	X =	686.072,	4853.141,	0.0,	0.0	!	!END!
1533	!	X =	686.172,	4853.141,	0.0,	0.0	!	!END!
1534	!	X =	686.272,	4853.141,	0.0,	0.0	!	!END!
1535	!	X =	686.372,	4853.141,	0.0,	0.0	!	!END!
1536	!	X =	686.472,	4853.141,	0.0,	0.0	!	!END!
1537	!	X =	686.572,	4853.141,	0.0,	0.0	!	!END!
1538	!	X =	686.672,	4853.141,	0.0,	0.0	!	!END!
1539	!	X =	686.772,	4853.141,	0.0,	0.0	!	!END!
1540	!	X =	686.872,	4853.141,	0.0,	0.0	!	!END!
1541	!	X =	686.972,	4853.141,	0.0,	0.0	!	!END!
1542	!	X =	684.972,	4853.241,	0.0,	0.0	!	!END!
1543	!	X =	685.072,	4853.241,	0.0,	0.0	!	!END!
1544	!	X =	685.172,	4853.241,	0.0,	0.0	!	!END!
1545	!	X =	685.272,	4853.241,	0.0,	0.0	!	!END!
1546	!	X =	685.372,	4853.241,	0.0,	0.0	!	!END!
1547	!	X =	686.572,	4853.241,	0.0,	0.0	!	!END!
1548	!	X =	686.672,	4853.241,	0.0,	0.0	!	!END!
1549	!	X =	686.772,	4853.241,	0.0,	0.0	!	!END!
1550	!	X =	686.872,	4853.241,	0.0,	0.0	!	!END!
1551	!	X =	686.972,	4853.241,	0.0,	0.0	!	!END!
1552	!	X =	684.972,	4853.341,	0.0,	0.0	!	!END!
1553	!	X =	685.072,	4853.341,	0.0,	0.0	!	!END!
1554	!	X =	685.172,	4853.341,	0.0,	0.0	!	!END!
1555	!	X =	685.272,	4853.341,	0.0,	0.0	!	!END!
1556	!	X =	685.372,	4853.341,	0.0,	0.0	!	!END!
1557	!	X =	686.572,	4853.341,	0.0,	0.0	!	!END!
1558	!	X =	686.672,	4853.341,	0.0,	0.0	!	!END!
1559	!	X =	686.772,	4853.341,	0.0,	0.0	!	!END!
1560	!	X =	686.872,	4853.341,	0.0,	0.0	!	!END!
1561	!	X =	686.972,	4853.341,	0.0,	0.0	!	!END!
1562	!	X =	684.972,	4853.441,	0.0,	0.0	!	!END!
1563	!	X =	685.072,	4853.441,	0.0,	0.0	!	!END!
1564	!	X =	685.172,	4853.441,	0.0,	0.0	!	!END!
1565	!	X =	685.272,	4853.441,	0.0,	0.0	!	!END!
1566	!	X =	685.372,	4853.441,	0.0,	0.0	!	!END!
1567	!	X =	686.572,	4853.441,	0.0,	0.0	!	!END!
1568	!	X =	686.672,	4853.441,	0.0,	0.0	!	!END!
1569	!	X =	686.772,	4853.441,	0.0,	0.0	!	!END!
1570	!	X =	686.872,	4853.441,	0.0,	0.0	!	!END!
1571	!	X =	686.972,	4853.441,	0.0,	0.0	!	!END!
1572	!	X =	684.972,	4853.541,	0.0,	0.0	!	!END!
1573	!	X =	685.072,	4853.541,	0.0,	0.0	!	!END!
1574	!	X =	685.172,	4853.541,	0.0,	0.0	!	!END!
1575	!	X =	685.272,	4853.541,	0.0,	0.0	!	!END!
1576	!	X =	685.372,	4853.541,	0.0,	0.0	!	!END!
1577	!	X =	686.572,	4853.541,	0.0,	0.0	!	!END!
1578	!	X =	686.672,	4853.541,	0.0,	0.0	!	!END!

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1642	!	X =	684.972,	4854.241,	0.0,	0.0	!	!END!
1643	!	X =	685.072,	4854.241,	0.0,	0.0	!	!END!
1644	!	X =	685.172,	4854.241,	0.0,	0.0	!	!END!
1645	!	X =	685.272,	4854.241,	0.0,	0.0	!	!END!
1646	!	X =	685.372,	4854.241,	0.0,	0.0	!	!END!
1647	!	X =	686.572,	4854.241,	0.0,	0.0	!	!END!
1648	!	X =	686.672,	4854.241,	0.0,	0.0	!	!END!
1649	!	X =	686.772,	4854.241,	0.0,	0.0	!	!END!
1650	!	X =	686.872,	4854.241,	0.0,	0.0	!	!END!
1651	!	X =	686.972,	4854.241,	0.0,	0.0	!	!END!
1652	!	X =	684.972,	4854.341,	0.0,	0.0	!	!END!
1653	!	X =	685.072,	4854.341,	0.0,	0.0	!	!END!
1654	!	X =	685.172,	4854.341,	0.0,	0.0	!	!END!
1655	!	X =	685.272,	4854.341,	0.0,	0.0	!	!END!
1656	!	X =	685.372,	4854.341,	0.0,	0.0	!	!END!
1657	!	X =	685.472,	4854.341,	0.0,	0.0	!	!END!
1658	!	X =	685.572,	4854.341,	0.0,	0.0	!	!END!
1659	!	X =	685.672,	4854.341,	0.0,	0.0	!	!END!
1660	!	X =	685.772,	4854.341,	0.0,	0.0	!	!END!
1661	!	X =	685.872,	4854.341,	0.0,	0.0	!	!END!
1662	!	X =	685.972,	4854.341,	0.0,	0.0	!	!END!
1663	!	X =	686.072,	4854.341,	0.0,	0.0	!	!END!
1664	!	X =	686.172,	4854.341,	0.0,	0.0	!	!END!
1665	!	X =	686.272,	4854.341,	0.0,	0.0	!	!END!
1666	!	X =	686.372,	4854.341,	0.0,	0.0	!	!END!
1667	!	X =	686.472,	4854.341,	0.0,	0.0	!	!END!
1668	!	X =	686.572,	4854.341,	0.0,	0.0	!	!END!
1669	!	X =	686.672,	4854.341,	0.0,	0.0	!	!END!
1670	!	X =	686.772,	4854.341,	0.0,	0.0	!	!END!
1671	!	X =	686.872,	4854.341,	0.0,	0.0	!	!END!
1672	!	X =	686.972,	4854.341,	0.0,	0.0	!	!END!
1673	!	X =	684.972,	4854.441,	0.0,	0.0	!	!END!
1674	!	X =	685.072,	4854.441,	0.0,	0.0	!	!END!
1675	!	X =	685.172,	4854.441,	0.0,	0.0	!	!END!
1676	!	X =	685.272,	4854.441,	0.0,	0.0	!	!END!
1677	!	X =	685.372,	4854.441,	0.0,	0.0	!	!END!
1678	!	X =	685.472,	4854.441,	0.0,	0.0	!	!END!
1679	!	X =	685.572,	4854.441,	0.0,	0.0	!	!END!
1680	!	X =	685.672,	4854.441,	0.0,	0.0	!	!END!
1681	!	X =	685.772,	4854.441,	0.0,	0.0	!	!END!
1682	!	X =	685.872,	4854.441,	0.0,	0.0	!	!END!
1683	!	X =	685.972,	4854.441,	0.0,	0.0	!	!END!
1684	!	X =	686.072,	4854.441,	0.0,	0.0	!	!END!
1685	!	X =	686.172,	4854.441,	0.0,	0.0	!	!END!
1686	!	X =	686.272,	4854.441,	0.0,	0.0	!	!END!
1687	!	X =	686.372,	4854.441,	0.0,	0.0	!	!END!
1688	!	X =	686.472,	4854.441,	0.0,	0.0	!	!END!
1689	!	X =	686.572,	4854.441,	0.0,	0.0	!	!END!
1690	!	X =	686.672,	4854.441,	0.0,	0.0	!	!END!
1691	!	X =	686.772,	4854.441,	0.0,	0.0	!	!END!
1692	!	X =	686.872,	4854.441,	0.0,	0.0	!	!END!
1693	!	X =	686.972,	4854.441,	0.0,	0.0	!	!END!
1694	!	X =	684.972,	4854.541,	0.0,	0.0	!	!END!
1695	!	X =	685.072,	4854.541,	0.0,	0.0	!	!END!
1696	!	X =	685.172,	4854.541,	0.0,	0.0	!	!END!
1697	!	X =	685.272,	4854.541,	0.0,	0.0	!	!END!
1698	!	X =	685.372,	4854.541,	0.0,	0.0	!	!END!
1699	!	X =	685.472,	4854.541,	0.0,	0.0	!	!END!
1700	!	X =	685.572,	4854.541,	0.0,	0.0	!	!END!
1701	!	X =	685.672,	4854.541,	0.0,	0.0	!	!END!
1702	!	X =	685.772,	4854.541,	0.0,	0.0	!	!END!
1703	!	X =	685.872,	4854.541,	0.0,	0.0	!	!END!
1704	!	X =	685.972,	4854.541,	0.0,	0.0	!	!END!

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1705	!	X =	686.072,	4854.541,	0.0,	0.0	!	!END!
1706	!	X =	686.172,	4854.541,	0.0,	0.0	!	!END!
1707	!	X =	686.272,	4854.541,	0.0,	0.0	!	!END!
1708	!	X =	686.372,	4854.541,	0.0,	0.0	!	!END!
1709	!	X =	686.472,	4854.541,	0.0,	0.0	!	!END!
1710	!	X =	686.572,	4854.541,	0.0,	0.0	!	!END!
1711	!	X =	686.672,	4854.541,	0.0,	0.0	!	!END!
1712	!	X =	686.772,	4854.541,	0.0,	0.0	!	!END!
1713	!	X =	686.872,	4854.541,	0.0,	0.0	!	!END!
1714	!	X =	686.972,	4854.541,	0.0,	0.0	!	!END!
1715	!	X =	684.972,	4854.641,	0.0,	0.0	!	!END!
1716	!	X =	685.072,	4854.641,	0.0,	0.0	!	!END!
1717	!	X =	685.172,	4854.641,	0.0,	0.0	!	!END!
1718	!	X =	685.272,	4854.641,	0.0,	0.0	!	!END!
1719	!	X =	685.372,	4854.641,	0.0,	0.0	!	!END!
1720	!	X =	685.472,	4854.641,	0.0,	0.0	!	!END!
1721	!	X =	685.572,	4854.641,	0.0,	0.0	!	!END!
1722	!	X =	685.672,	4854.641,	0.0,	0.0	!	!END!
1723	!	X =	685.772,	4854.641,	0.0,	0.0	!	!END!
1724	!	X =	685.872,	4854.641,	0.0,	0.0	!	!END!
1725	!	X =	685.972,	4854.641,	0.0,	0.0	!	!END!
1726	!	X =	686.072,	4854.641,	0.0,	0.0	!	!END!
1727	!	X =	686.172,	4854.641,	0.0,	0.0	!	!END!
1728	!	X =	686.272,	4854.641,	0.0,	0.0	!	!END!
1729	!	X =	686.372,	4854.641,	0.0,	0.0	!	!END!
1730	!	X =	686.472,	4854.641,	0.0,	0.0	!	!END!
1731	!	X =	686.572,	4854.641,	0.0,	0.0	!	!END!
1732	!	X =	686.672,	4854.641,	0.0,	0.0	!	!END!
1733	!	X =	686.772,	4854.641,	0.0,	0.0	!	!END!
1734	!	X =	686.872,	4854.641,	0.0,	0.0	!	!END!
1735	!	X =	686.972,	4854.641,	0.0,	0.0	!	!END!
1736	!	X =	684.972,	4854.741,	0.0,	0.0	!	!END!
1737	!	X =	685.072,	4854.741,	0.0,	0.0	!	!END!
1738	!	X =	685.172,	4854.741,	0.0,	0.0	!	!END!
1739	!	X =	685.272,	4854.741,	0.0,	0.0	!	!END!
1740	!	X =	685.372,	4854.741,	0.0,	0.0	!	!END!
1741	!	X =	685.472,	4854.741,	0.0,	0.0	!	!END!
1742	!	X =	685.572,	4854.741,	0.0,	0.0	!	!END!
1743	!	X =	685.672,	4854.741,	0.0,	0.0	!	!END!
1744	!	X =	685.772,	4854.741,	0.0,	0.0	!	!END!
1745	!	X =	685.872,	4854.741,	0.0,	0.0	!	!END!
1746	!	X =	685.972,	4854.741,	0.0,	0.0	!	!END!
1747	!	X =	686.072,	4854.741,	0.0,	0.0	!	!END!
1748	!	X =	686.172,	4854.741,	0.0,	0.0	!	!END!
1749	!	X =	686.272,	4854.741,	0.0,	0.0	!	!END!
1750	!	X =	686.372,	4854.741,	0.0,	0.0	!	!END!
1751	!	X =	686.472,	4854.741,	0.0,	0.0	!	!END!
1752	!	X =	686.572,	4854.741,	0.0,	0.0	!	!END!
1753	!	X =	686.672,	4854.741,	0.0,	0.0	!	!END!
1754	!	X =	686.772,	4854.741,	0.0,	0.0	!	!END!
1755	!	X =	686.872,	4854.741,	0.0,	0.0	!	!END!
1756	!	X =	686.972,	4854.741,	0.0,	0.0	!	!END!
1757	!	X =	683.972,	4851.741,	0.0,	0.0	!	!END!
1758	!	X =	684.172,	4851.741,	0.0,	0.0	!	!END!
1759	!	X =	684.372,	4851.741,	0.0,	0.0	!	!END!
1760	!	X =	684.572,	4851.741,	0.0,	0.0	!	!END!
1761	!	X =	684.772,	4851.741,	0.0,	0.0	!	!END!
1762	!	X =	684.972,	4851.741,	0.0,	0.0	!	!END!
1763	!	X =	685.172,	4851.741,	0.0,	0.0	!	!END!
1764	!	X =	685.372,	4851.741,	0.0,	0.0	!	!END!
1765	!	X =	685.572,	4851.741,	0.0,	0.0	!	!END!
1766	!	X =	685.772,	4851.741,	0.0,	0.0	!	!END!
1767	!	X =	685.972,	4851.741,	0.0,	0.0	!	!END!

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1768	!	X =	686.172,	4851.741,	0.0,	0.0	!	!END!
1769	!	X =	686.372,	4851.741,	0.0,	0.0	!	!END!
1770	!	X =	686.572,	4851.741,	0.0,	0.0	!	!END!
1771	!	X =	686.772,	4851.741,	0.0,	0.0	!	!END!
1772	!	X =	686.972,	4851.741,	0.0,	0.0	!	!END!
1773	!	X =	687.172,	4851.741,	0.0,	0.0	!	!END!
1774	!	X =	687.372,	4851.741,	0.0,	0.0	!	!END!
1775	!	X =	687.572,	4851.741,	0.0,	0.0	!	!END!
1776	!	X =	687.772,	4851.741,	0.0,	0.0	!	!END!
1777	!	X =	687.972,	4851.741,	0.0,	0.0	!	!END!
1778	!	X =	683.972,	4851.941,	0.0,	0.0	!	!END!
1779	!	X =	684.172,	4851.941,	0.0,	0.0	!	!END!
1780	!	X =	684.372,	4851.941,	0.0,	0.0	!	!END!
1781	!	X =	684.572,	4851.941,	0.0,	0.0	!	!END!
1782	!	X =	684.772,	4851.941,	0.0,	0.0	!	!END!
1783	!	X =	684.972,	4851.941,	0.0,	0.0	!	!END!
1784	!	X =	685.172,	4851.941,	0.0,	0.0	!	!END!
1785	!	X =	685.372,	4851.941,	0.0,	0.0	!	!END!
1786	!	X =	685.572,	4851.941,	0.0,	0.0	!	!END!
1787	!	X =	685.772,	4851.941,	0.0,	0.0	!	!END!
1788	!	X =	685.972,	4851.941,	0.0,	0.0	!	!END!
1789	!	X =	686.172,	4851.941,	0.0,	0.0	!	!END!
1790	!	X =	686.372,	4851.941,	0.0,	0.0	!	!END!
1791	!	X =	686.572,	4851.941,	0.0,	0.0	!	!END!
1792	!	X =	686.772,	4851.941,	0.0,	0.0	!	!END!
1793	!	X =	686.972,	4851.941,	0.0,	0.0	!	!END!
1794	!	X =	687.172,	4851.941,	0.0,	0.0	!	!END!
1795	!	X =	687.372,	4851.941,	0.0,	0.0	!	!END!
1796	!	X =	687.572,	4851.941,	0.0,	0.0	!	!END!
1797	!	X =	687.772,	4851.941,	0.0,	0.0	!	!END!
1798	!	X =	687.972,	4851.941,	0.0,	0.0	!	!END!
1799	!	X =	683.972,	4852.141,	0.0,	0.0	!	!END!
1800	!	X =	684.172,	4852.141,	0.0,	0.0	!	!END!
1801	!	X =	684.372,	4852.141,	0.0,	0.0	!	!END!
1802	!	X =	684.572,	4852.141,	0.0,	0.0	!	!END!
1803	!	X =	684.772,	4852.141,	0.0,	0.0	!	!END!
1804	!	X =	684.972,	4852.141,	0.0,	0.0	!	!END!
1805	!	X =	685.172,	4852.141,	0.0,	0.0	!	!END!
1806	!	X =	685.372,	4852.141,	0.0,	0.0	!	!END!
1807	!	X =	685.572,	4852.141,	0.0,	0.0	!	!END!
1808	!	X =	685.772,	4852.141,	0.0,	0.0	!	!END!
1809	!	X =	685.972,	4852.141,	0.0,	0.0	!	!END!
1810	!	X =	686.172,	4852.141,	0.0,	0.0	!	!END!
1811	!	X =	686.372,	4852.141,	0.0,	0.0	!	!END!
1812	!	X =	686.572,	4852.141,	0.0,	0.0	!	!END!
1813	!	X =	686.772,	4852.141,	0.0,	0.0	!	!END!
1814	!	X =	686.972,	4852.141,	0.0,	0.0	!	!END!
1815	!	X =	687.172,	4852.141,	0.0,	0.0	!	!END!
1816	!	X =	687.372,	4852.141,	0.0,	0.0	!	!END!
1817	!	X =	687.572,	4852.141,	0.0,	0.0	!	!END!
1818	!	X =	687.772,	4852.141,	0.0,	0.0	!	!END!
1819	!	X =	687.972,	4852.141,	0.0,	0.0	!	!END!
1820	!	X =	683.972,	4852.341,	0.0,	0.0	!	!END!
1821	!	X =	684.172,	4852.341,	0.0,	0.0	!	!END!
1822	!	X =	684.372,	4852.341,	0.0,	0.0	!	!END!
1823	!	X =	684.572,	4852.341,	0.0,	0.0	!	!END!
1824	!	X =	684.772,	4852.341,	0.0,	0.0	!	!END!
1825	!	X =	684.972,	4852.341,	0.0,	0.0	!	!END!
1826	!	X =	685.172,	4852.341,	0.0,	0.0	!	!END!
1827	!	X =	685.372,	4852.341,	0.0,	0.0	!	!END!
1828	!	X =	685.572,	4852.341,	0.0,	0.0	!	!END!
1829	!	X =	685.772,	4852.341,	0.0,	0.0	!	!END!
1830	!	X =	685.972,	4852.341,	0.0,	0.0	!	!END!

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1831	!	X =	686.172,	4852.341,	0.0,	0.0	!	!END!
1832	!	X =	686.372,	4852.341,	0.0,	0.0	!	!END!
1833	!	X =	686.572,	4852.341,	0.0,	0.0	!	!END!
1834	!	X =	686.772,	4852.341,	0.0,	0.0	!	!END!
1835	!	X =	686.972,	4852.341,	0.0,	0.0	!	!END!
1836	!	X =	687.172,	4852.341,	0.0,	0.0	!	!END!
1837	!	X =	687.372,	4852.341,	0.0,	0.0	!	!END!
1838	!	X =	687.572,	4852.341,	0.0,	0.0	!	!END!
1839	!	X =	687.772,	4852.341,	0.0,	0.0	!	!END!
1840	!	X =	687.972,	4852.341,	0.0,	0.0	!	!END!
1841	!	X =	683.972,	4852.541,	0.0,	0.0	!	!END!
1842	!	X =	684.172,	4852.541,	0.0,	0.0	!	!END!
1843	!	X =	684.372,	4852.541,	0.0,	0.0	!	!END!
1844	!	X =	684.572,	4852.541,	0.0,	0.0	!	!END!
1845	!	X =	684.772,	4852.541,	0.0,	0.0	!	!END!
1846	!	X =	684.972,	4852.541,	0.0,	0.0	!	!END!
1847	!	X =	685.172,	4852.541,	0.0,	0.0	!	!END!
1848	!	X =	685.372,	4852.541,	0.0,	0.0	!	!END!
1849	!	X =	685.572,	4852.541,	0.0,	0.0	!	!END!
1850	!	X =	685.772,	4852.541,	0.0,	0.0	!	!END!
1851	!	X =	685.972,	4852.541,	0.0,	0.0	!	!END!
1852	!	X =	686.172,	4852.541,	0.0,	0.0	!	!END!
1853	!	X =	686.372,	4852.541,	0.0,	0.0	!	!END!
1854	!	X =	686.572,	4852.541,	0.0,	0.0	!	!END!
1855	!	X =	686.772,	4852.541,	0.0,	0.0	!	!END!
1856	!	X =	686.972,	4852.541,	0.0,	0.0	!	!END!
1857	!	X =	687.172,	4852.541,	0.0,	0.0	!	!END!
1858	!	X =	687.372,	4852.541,	0.0,	0.0	!	!END!
1859	!	X =	687.572,	4852.541,	0.0,	0.0	!	!END!
1860	!	X =	687.772,	4852.541,	0.0,	0.0	!	!END!
1861	!	X =	687.972,	4852.541,	0.0,	0.0	!	!END!
1862	!	X =	683.972,	4852.741,	0.0,	0.0	!	!END!
1863	!	X =	684.172,	4852.741,	0.0,	0.0	!	!END!
1864	!	X =	684.372,	4852.741,	0.0,	0.0	!	!END!
1865	!	X =	684.572,	4852.741,	0.0,	0.0	!	!END!
1866	!	X =	684.772,	4852.741,	0.0,	0.0	!	!END!
1867	!	X =	687.172,	4852.741,	0.0,	0.0	!	!END!
1868	!	X =	687.372,	4852.741,	0.0,	0.0	!	!END!
1869	!	X =	687.572,	4852.741,	0.0,	0.0	!	!END!
1870	!	X =	687.772,	4852.741,	0.0,	0.0	!	!END!
1871	!	X =	687.972,	4852.741,	0.0,	0.0	!	!END!
1872	!	X =	683.972,	4852.941,	0.0,	0.0	!	!END!
1873	!	X =	684.172,	4852.941,	0.0,	0.0	!	!END!
1874	!	X =	684.372,	4852.941,	0.0,	0.0	!	!END!
1875	!	X =	684.572,	4852.941,	0.0,	0.0	!	!END!
1876	!	X =	684.772,	4852.941,	0.0,	0.0	!	!END!
1877	!	X =	687.172,	4852.941,	0.0,	0.0	!	!END!
1878	!	X =	687.372,	4852.941,	0.0,	0.0	!	!END!
1879	!	X =	687.572,	4852.941,	0.0,	0.0	!	!END!
1880	!	X =	687.772,	4852.941,	0.0,	0.0	!	!END!
1881	!	X =	687.972,	4852.941,	0.0,	0.0	!	!END!
1882	!	X =	683.972,	4853.141,	0.0,	0.0	!	!END!
1883	!	X =	684.172,	4853.141,	0.0,	0.0	!	!END!
1884	!	X =	684.372,	4853.141,	0.0,	0.0	!	!END!
1885	!	X =	684.572,	4853.141,	0.0,	0.0	!	!END!
1886	!	X =	684.772,	4853.141,	0.0,	0.0	!	!END!
1887	!	X =	687.172,	4853.141,	0.0,	0.0	!	!END!
1888	!	X =	687.372,	4853.141,	0.0,	0.0	!	!END!
1889	!	X =	687.572,	4853.141,	0.0,	0.0	!	!END!
1890	!	X =	687.772,	4853.141,	0.0,	0.0	!	!END!
1891	!	X =	687.972,	4853.141,	0.0,	0.0	!	!END!
1892	!	X =	683.972,	4853.341,	0.0,	0.0	!	!END!
1893	!	X =	684.172,	4853.341,	0.0,	0.0	!	!END!

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1957	!	X =	687.172,	4854.541,	0.0,	0.0	!	!END!
1958	!	X =	687.372,	4854.541,	0.0,	0.0	!	!END!
1959	!	X =	687.572,	4854.541,	0.0,	0.0	!	!END!
1960	!	X =	687.772,	4854.541,	0.0,	0.0	!	!END!
1961	!	X =	687.972,	4854.541,	0.0,	0.0	!	!END!
1962	!	X =	683.972,	4854.741,	0.0,	0.0	!	!END!
1963	!	X =	684.172,	4854.741,	0.0,	0.0	!	!END!
1964	!	X =	684.372,	4854.741,	0.0,	0.0	!	!END!
1965	!	X =	684.572,	4854.741,	0.0,	0.0	!	!END!
1966	!	X =	684.772,	4854.741,	0.0,	0.0	!	!END!
1967	!	X =	687.172,	4854.741,	0.0,	0.0	!	!END!
1968	!	X =	687.372,	4854.741,	0.0,	0.0	!	!END!
1969	!	X =	687.572,	4854.741,	0.0,	0.0	!	!END!
1970	!	X =	687.772,	4854.741,	0.0,	0.0	!	!END!
1971	!	X =	687.972,	4854.741,	0.0,	0.0	!	!END!
1972	!	X =	683.972,	4854.941,	0.0,	0.0	!	!END!
1973	!	X =	684.172,	4854.941,	0.0,	0.0	!	!END!
1974	!	X =	684.372,	4854.941,	0.0,	0.0	!	!END!
1975	!	X =	684.572,	4854.941,	0.0,	0.0	!	!END!
1976	!	X =	684.772,	4854.941,	0.0,	0.0	!	!END!
1977	!	X =	684.972,	4854.941,	0.0,	0.0	!	!END!
1978	!	X =	685.172,	4854.941,	0.0,	0.0	!	!END!
1979	!	X =	685.372,	4854.941,	0.0,	0.0	!	!END!
1980	!	X =	685.572,	4854.941,	0.0,	0.0	!	!END!
1981	!	X =	685.772,	4854.941,	0.0,	0.0	!	!END!
1982	!	X =	685.972,	4854.941,	0.0,	0.0	!	!END!
1983	!	X =	686.172,	4854.941,	0.0,	0.0	!	!END!
1984	!	X =	686.372,	4854.941,	0.0,	0.0	!	!END!
1985	!	X =	686.572,	4854.941,	0.0,	0.0	!	!END!
1986	!	X =	686.772,	4854.941,	0.0,	0.0	!	!END!
1987	!	X =	686.972,	4854.941,	0.0,	0.0	!	!END!
1988	!	X =	687.172,	4854.941,	0.0,	0.0	!	!END!
1989	!	X =	687.372,	4854.941,	0.0,	0.0	!	!END!
1990	!	X =	687.572,	4854.941,	0.0,	0.0	!	!END!
1991	!	X =	687.772,	4854.941,	0.0,	0.0	!	!END!
1992	!	X =	687.972,	4854.941,	0.0,	0.0	!	!END!
1993	!	X =	683.972,	4855.141,	0.0,	0.0	!	!END!
1994	!	X =	684.172,	4855.141,	0.0,	0.0	!	!END!
1995	!	X =	684.372,	4855.141,	0.0,	0.0	!	!END!
1996	!	X =	684.572,	4855.141,	0.0,	0.0	!	!END!
1997	!	X =	684.772,	4855.141,	0.0,	0.0	!	!END!
1998	!	X =	684.972,	4855.141,	0.0,	0.0	!	!END!
1999	!	X =	685.172,	4855.141,	0.0,	0.0	!	!END!
2000	!	X =	685.372,	4855.141,	0.0,	0.0	!	!END!
2001	!	X =	685.572,	4855.141,	0.0,	0.0	!	!END!
2002	!	X =	685.772,	4855.141,	0.0,	0.0	!	!END!
2003	!	X =	685.972,	4855.141,	0.0,	0.0	!	!END!
2004	!	X =	686.172,	4855.141,	0.0,	0.0	!	!END!
2005	!	X =	686.372,	4855.141,	0.0,	0.0	!	!END!
2006	!	X =	686.572,	4855.141,	0.0,	0.0	!	!END!
2007	!	X =	686.772,	4855.141,	0.0,	0.0	!	!END!
2008	!	X =	686.972,	4855.141,	0.0,	0.0	!	!END!
2009	!	X =	687.172,	4855.141,	0.0,	0.0	!	!END!
2010	!	X =	687.372,	4855.141,	0.0,	0.0	!	!END!
2011	!	X =	687.572,	4855.141,	0.0,	0.0	!	!END!
2012	!	X =	687.772,	4855.141,	0.0,	0.0	!	!END!
2013	!	X =	687.972,	4855.141,	0.0,	0.0	!	!END!
2014	!	X =	683.972,	4855.341,	0.0,	0.0	!	!END!
2015	!	X =	684.172,	4855.341,	0.0,	0.0	!	!END!
2016	!	X =	684.372,	4855.341,	0.0,	0.0	!	!END!
2017	!	X =	684.572,	4855.341,	0.0,	0.0	!	!END!
2018	!	X =	684.772,	4855.341,	0.0,	0.0	!	!END!
2019	!	X =	684.972,	4855.341,	0.0,	0.0	!	!END!

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2020	!	X =	685.172,	4855.341,	0.0,	0.0	!	!END!
2021	!	X =	685.372,	4855.341,	0.0,	0.0	!	!END!
2022	!	X =	685.572,	4855.341,	0.0,	0.0	!	!END!
2023	!	X =	685.772,	4855.341,	0.0,	0.0	!	!END!
2024	!	X =	685.972,	4855.341,	0.0,	0.0	!	!END!
2025	!	X =	686.172,	4855.341,	0.0,	0.0	!	!END!
2026	!	X =	686.372,	4855.341,	0.0,	0.0	!	!END!
2027	!	X =	686.572,	4855.341,	0.0,	0.0	!	!END!
2028	!	X =	686.772,	4855.341,	0.0,	0.0	!	!END!
2029	!	X =	686.972,	4855.341,	0.0,	0.0	!	!END!
2030	!	X =	687.172,	4855.341,	0.0,	0.0	!	!END!
2031	!	X =	687.372,	4855.341,	0.0,	0.0	!	!END!
2032	!	X =	687.572,	4855.341,	0.0,	0.0	!	!END!
2033	!	X =	687.772,	4855.341,	0.0,	0.0	!	!END!
2034	!	X =	687.972,	4855.341,	0.0,	0.0	!	!END!
2035	!	X =	683.972,	4855.541,	0.0,	0.0	!	!END!
2036	!	X =	684.172,	4855.541,	0.0,	0.0	!	!END!
2037	!	X =	684.372,	4855.541,	0.0,	0.0	!	!END!
2038	!	X =	684.572,	4855.541,	0.0,	0.0	!	!END!
2039	!	X =	684.772,	4855.541,	0.0,	0.0	!	!END!
2040	!	X =	684.972,	4855.541,	0.0,	0.0	!	!END!
2041	!	X =	685.172,	4855.541,	0.0,	0.0	!	!END!
2042	!	X =	685.372,	4855.541,	0.0,	0.0	!	!END!
2043	!	X =	685.572,	4855.541,	0.0,	0.0	!	!END!
2044	!	X =	685.772,	4855.541,	0.0,	0.0	!	!END!
2045	!	X =	685.972,	4855.541,	0.0,	0.0	!	!END!
2046	!	X =	686.172,	4855.541,	0.0,	0.0	!	!END!
2047	!	X =	686.372,	4855.541,	0.0,	0.0	!	!END!
2048	!	X =	686.572,	4855.541,	0.0,	0.0	!	!END!
2049	!	X =	686.772,	4855.541,	0.0,	0.0	!	!END!
2050	!	X =	686.972,	4855.541,	0.0,	0.0	!	!END!
2051	!	X =	687.172,	4855.541,	0.0,	0.0	!	!END!
2052	!	X =	687.372,	4855.541,	0.0,	0.0	!	!END!
2053	!	X =	687.572,	4855.541,	0.0,	0.0	!	!END!
2054	!	X =	687.772,	4855.541,	0.0,	0.0	!	!END!
2055	!	X =	687.972,	4855.541,	0.0,	0.0	!	!END!
2056	!	X =	683.972,	4855.741,	0.0,	0.0	!	!END!
2057	!	X =	684.172,	4855.741,	0.0,	0.0	!	!END!
2058	!	X =	684.372,	4855.741,	0.0,	0.0	!	!END!
2059	!	X =	684.572,	4855.741,	0.0,	0.0	!	!END!
2060	!	X =	684.772,	4855.741,	0.0,	0.0	!	!END!
2061	!	X =	684.972,	4855.741,	0.0,	0.0	!	!END!
2062	!	X =	685.172,	4855.741,	0.0,	0.0	!	!END!
2063	!	X =	685.372,	4855.741,	0.0,	0.0	!	!END!
2064	!	X =	685.572,	4855.741,	0.0,	0.0	!	!END!
2065	!	X =	685.772,	4855.741,	0.0,	0.0	!	!END!
2066	!	X =	685.972,	4855.741,	0.0,	0.0	!	!END!
2067	!	X =	686.172,	4855.741,	0.0,	0.0	!	!END!
2068	!	X =	686.372,	4855.741,	0.0,	0.0	!	!END!
2069	!	X =	686.572,	4855.741,	0.0,	0.0	!	!END!
2070	!	X =	686.772,	4855.741,	0.0,	0.0	!	!END!
2071	!	X =	686.972,	4855.741,	0.0,	0.0	!	!END!
2072	!	X =	687.172,	4855.741,	0.0,	0.0	!	!END!
2073	!	X =	687.372,	4855.741,	0.0,	0.0	!	!END!
2074	!	X =	687.572,	4855.741,	0.0,	0.0	!	!END!
2075	!	X =	687.772,	4855.741,	0.0,	0.0	!	!END!
2076	!	X =	687.972,	4855.741,	0.0,	0.0	!	!END!
2077	!	X =	685.472,	4853.241,	0.0,	0.0	!	!END!
2078	!	X =	685.522,	4853.241,	0.0,	0.0	!	!END!
2079	!	X =	685.572,	4853.241,	0.0,	0.0	!	!END!
2080	!	X =	685.622,	4853.241,	0.0,	0.0	!	!END!
2081	!	X =	685.672,	4853.241,	0.0,	0.0	!	!END!
2082	!	X =	685.722,	4853.241,	0.0,	0.0	!	!END!

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2083	!	X =	685.772,	4853.241,	0.0,	0.0	!	!END!
2084	!	X =	685.822,	4853.241,	0.0,	0.0	!	!END!
2085	!	X =	685.872,	4853.241,	0.0,	0.0	!	!END!
2086	!	X =	685.922,	4853.241,	0.0,	0.0	!	!END!
2087	!	X =	685.972,	4853.241,	0.0,	0.0	!	!END!
2088	!	X =	686.022,	4853.241,	0.0,	0.0	!	!END!
2089	!	X =	686.072,	4853.241,	0.0,	0.0	!	!END!
2090	!	X =	686.122,	4853.241,	0.0,	0.0	!	!END!
2091	!	X =	686.172,	4853.241,	0.0,	0.0	!	!END!
2092	!	X =	686.222,	4853.241,	0.0,	0.0	!	!END!
2093	!	X =	686.272,	4853.241,	0.0,	0.0	!	!END!
2094	!	X =	686.322,	4853.241,	0.0,	0.0	!	!END!
2095	!	X =	686.372,	4853.241,	0.0,	0.0	!	!END!
2096	!	X =	686.422,	4853.241,	0.0,	0.0	!	!END!
2097	!	X =	686.472,	4853.241,	0.0,	0.0	!	!END!
2098	!	X =	685.472,	4853.291,	0.0,	0.0	!	!END!
2099	!	X =	685.522,	4853.291,	0.0,	0.0	!	!END!
2100	!	X =	685.572,	4853.291,	0.0,	0.0	!	!END!
2101	!	X =	685.622,	4853.291,	0.0,	0.0	!	!END!
2102	!	X =	685.672,	4853.291,	0.0,	0.0	!	!END!
2103	!	X =	685.722,	4853.291,	0.0,	0.0	!	!END!
2104	!	X =	685.772,	4853.291,	0.0,	0.0	!	!END!
2105	!	X =	685.822,	4853.291,	0.0,	0.0	!	!END!
2106	!	X =	685.872,	4853.291,	0.0,	0.0	!	!END!
2107	!	X =	685.922,	4853.291,	0.0,	0.0	!	!END!
2108	!	X =	685.972,	4853.291,	0.0,	0.0	!	!END!
2109	!	X =	686.022,	4853.291,	0.0,	0.0	!	!END!
2110	!	X =	686.072,	4853.291,	0.0,	0.0	!	!END!
2111	!	X =	686.122,	4853.291,	0.0,	0.0	!	!END!
2112	!	X =	686.172,	4853.291,	0.0,	0.0	!	!END!
2113	!	X =	686.222,	4853.291,	0.0,	0.0	!	!END!
2114	!	X =	686.272,	4853.291,	0.0,	0.0	!	!END!
2115	!	X =	686.322,	4853.291,	0.0,	0.0	!	!END!
2116	!	X =	686.372,	4853.291,	0.0,	0.0	!	!END!
2117	!	X =	686.422,	4853.291,	0.0,	0.0	!	!END!
2118	!	X =	686.472,	4853.291,	0.0,	0.0	!	!END!
2119	!	X =	685.472,	4853.341,	0.0,	0.0	!	!END!
2120	!	X =	685.522,	4853.341,	0.0,	0.0	!	!END!
2121	!	X =	685.572,	4853.341,	0.0,	0.0	!	!END!
2122	!	X =	685.622,	4853.341,	0.0,	0.0	!	!END!
2123	!	X =	685.672,	4853.341,	0.0,	0.0	!	!END!
2124	!	X =	685.722,	4853.341,	0.0,	0.0	!	!END!
2125	!	X =	685.772,	4853.341,	0.0,	0.0	!	!END!
2126	!	X =	685.822,	4853.341,	0.0,	0.0	!	!END!
2127	!	X =	685.872,	4853.341,	0.0,	0.0	!	!END!
2128	!	X =	685.922,	4853.341,	0.0,	0.0	!	!END!
2129	!	X =	685.972,	4853.341,	0.0,	0.0	!	!END!
2130	!	X =	686.022,	4853.341,	0.0,	0.0	!	!END!
2131	!	X =	686.072,	4853.341,	0.0,	0.0	!	!END!
2132	!	X =	686.122,	4853.341,	0.0,	0.0	!	!END!
2133	!	X =	686.172,	4853.341,	0.0,	0.0	!	!END!
2134	!	X =	686.222,	4853.341,	0.0,	0.0	!	!END!
2135	!	X =	686.272,	4853.341,	0.0,	0.0	!	!END!
2136	!	X =	686.322,	4853.341,	0.0,	0.0	!	!END!
2137	!	X =	686.372,	4853.341,	0.0,	0.0	!	!END!
2138	!	X =	686.422,	4853.341,	0.0,	0.0	!	!END!
2139	!	X =	686.472,	4853.341,	0.0,	0.0	!	!END!
2140	!	X =	685.472,	4853.391,	0.0,	0.0	!	!END!
2141	!	X =	685.522,	4853.391,	0.0,	0.0	!	!END!
2142	!	X =	685.572,	4853.391,	0.0,	0.0	!	!END!
2143	!	X =	685.622,	4853.391,	0.0,	0.0	!	!END!
2144	!	X =	685.672,	4853.391,	0.0,	0.0	!	!END!
2145	!	X =	685.722,	4853.391,	0.0,	0.0	!	!END!

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2146 ! X =      685.772,      4853.391,      0.0,      0.0 ! !END!
2147 ! X =      685.822,      4853.391,      0.0,      0.0 ! !END!
2148 ! X =      685.872,      4853.391,      0.0,      0.0 ! !END!
2149 ! X =      685.922,      4853.391,      0.0,      0.0 ! !END!
2150 ! X =      685.972,      4853.391,      0.0,      0.0 ! !END!
2151 ! X =      686.022,      4853.391,      0.0,      0.0 ! !END!
2152 ! X =      686.072,      4853.391,      0.0,      0.0 ! !END!
2153 ! X =      686.122,      4853.391,      0.0,      0.0 ! !END!
2154 ! X =      686.172,      4853.391,      0.0,      0.0 ! !END!
2155 ! X =      686.222,      4853.391,      0.0,      0.0 ! !END!
2156 ! X =      686.272,      4853.391,      0.0,      0.0 ! !END!
2157 ! X =      686.322,      4853.391,      0.0,      0.0 ! !END!
2158 ! X =      686.372,      4853.391,      0.0,      0.0 ! !END!
2159 ! X =      686.422,      4853.391,      0.0,      0.0 ! !END!
2160 ! X =      686.472,      4853.391,      0.0,      0.0 ! !END!
2161 ! X =      685.472,      4853.441,      0.0,      0.0 ! !END!

```

a

Data for each receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

b

Receptor height above ground is optional. If no value is entered, the receptor is placed on the ground.

c

Receptors can be assigned using group names provided in 17b. If no group names are used (NRGRP=0) then the default assignment name X must be used.