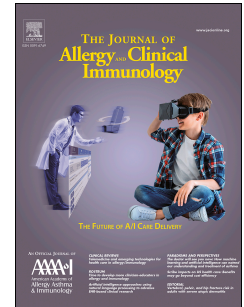


Journal Pre-proof

Determinants of omalizumab dose-related efficacy in oral immunotherapy: evidence from a cohort of 181 patients.

Pauline Azzano, MD, Maxime Paquin, MD, Alexandra Langlois, MD, Charles Morin, MD, Guy Parizeault, MD, Jonathan Lacombe-Barrios, MD, Kathryn Samaan, MD, François Graham, MD, Louis Paradis, MD, Anne Des Roches, MD, Philippe Begin, MD, PhD



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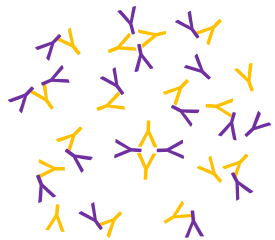
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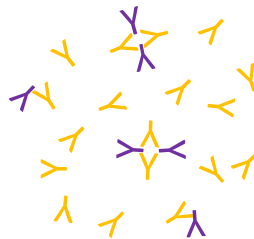


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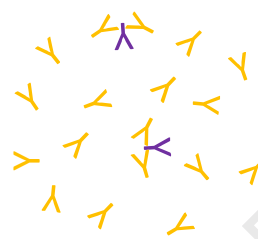
Omalizumab dosage **per total IgE**



Low



Medium



High

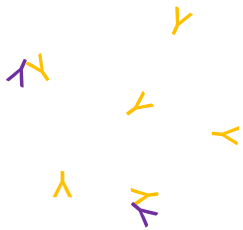


2-month
pre-treatment

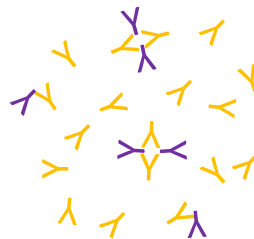


No dose response

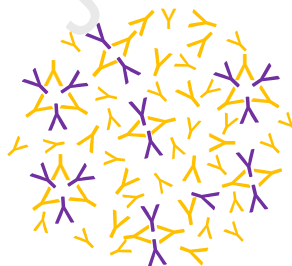
Omalizumab dosage **per weight**



Low



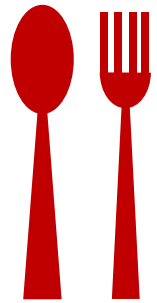
Medium



High



2-month
pre-treatment



Clear dose response

↘ : anti-IgE

↘ : total IgE

Determinants of omalizumab dose-related efficacy in oral immunotherapy: evidence from a cohort of 181 patients.

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Abstract (246 words)

Background: Omalizumab has been shown to improve the safety and feasibility of oral immunotherapy (OIT) but the optimal dosage strategy is unknown.

Objective: To identify determinants of omalizumab dose-related efficacy in the context of OIT.

Methods: Study sample consisted of a clinical cohort of 181 patients treated with omalizumab-enabled oral immunotherapy at three centers. Patients received with omalizumab for at least 2 months before an initial food escalation (IFE) with a mix of up to six allergens. Progression through IFE steps was assessed with survival analysis. Continued food dose tolerance with omalizumab weaning was also documented.

Results: Omalizumab dosage per weight alone was strongly associated with progression through the IFE ($\chi^2=28.18$, $p<0.0001$), whereas the standard dosage per weight and total IgE used for asthma was not ($\chi^2=0.001$, $p=0.97$). When values at time of IFE were estimated through PK/PD simulation, IFE outcome was best predicted by a model including levels of free allergen-specific IgE and their interaction with blocking omalizumab-IgE complexes and free omalizumab levels in serum ($\chi^2=65.84$, $df=2$, $p<0.0005$). The occurrence of immediate-type reactions to food dosing upon weaning of omalizumab was associated with a greater specific-to-total IgE ratio at baseline (geometric mean of 0.39 vs 0.16 in those without symptom, $p<0.0001$).

Conclusion: In the context of OIT and IgE-mediated disease, omalizumab dosages should be adjusted for body weight alone, independently of total IgE. The fraction of allergen-

54 specific/total IgE may be useful to predict patients at greater risk of food dosing

55 reactions upon weaning.

56

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Capsule summary

Using a large cohort of food allergic patients undergoing oral immunotherapy, the dose-related efficacy of omalizumab is shown to be dependent on its dosage per weight and independent of total IgE levels.

Clinical implications

In the context of IgE-mediated disease, the omalizumab dosage chart based on weight and total IgE levels should be abandoned and replaced by a dosage strategy based on body weight only.

Key words

Food allergy, Oral immunotherapy (OIT), Omalizumab, pharmacokinetics, PK-PD, dosage, desensitization, continued consumption

71 **Abbreviations**

72 FcεRI – High affinity IgE receptor

73 IFE – Initial food escalation

74 IgE – Immunoglobulin E

75 sIgE – Allergen-specific IgE

76 tIgE – Total IgE, including those specific and non-specific to the allergen

77 PK/PD – Pharmacokinetics/pharmacodynamics

78 OIT – Oral immunotherapy

79 OEAOIT – Omalizumab-enabled accelerated OIT

80 SPT – Skin prick test

81

Introduction

Omalizumab is an anti-IgE monoclonal antibody, currently approved for asthma and chronic urticaria, which binds circulating IgE on the Fcε3 domain and prevents IgE binding to the high-affinity receptor (FcεRI) on basophils and mast cells (1-3). At therapeutic levels, it has also been shown to competitively dissociate cell-bound IgE from their receptor on cell surface in a dose-dependent manner (4, 5). Another potential mechanism that has been proposed to reduce the risk of anaphylaxis is the direct neutralization of allergens in the blood stream by omalizumab-IgE complexes, acting as blocking antibodies and sweeping the allergen molecules entering the bloodstream before they can reach mast cells and basophils systemically (6).

In clinic, anti-IgE therapy has been shown to significantly increase the reactivity threshold to food allergens making it an interesting option to protect against food dosing reactions during OIT (7-13). Several uncontrolled trials conclude to the safety and feasibility of performing accelerated OIT protocols in patients with severe or multiple food allergies while transiently co-treated with omalizumab (14-20). When compared to placebo as adjunct to a slow milk OIT schedule, omalizumab was shown to effectively suppress food dosing reactions(21). Two other placebo-controlled phase 2a trials further showed omalizumab efficacy at enabling successful completion of accelerated OIT protocols to peanut or to multiple food allergens simultaneously(22, 23).

All previous studies on the use of omalizumab for food allergies have strictly followed the asthma dosage chart using total IgE levels (tIgE) (i.e. including both allergic-specific

and non-specific IgE) to calculate monthly dosages at 0.016 mg/kg/IgE (IU/mL)(14-23). Concerningly, this dosage strategy was never validated prospectively, not even for asthma. It was empirically determined following a negative dose-finding trial for ragweed allergy in 1997, based on the rationale that an omalizumab:tlgE molar ratio between 10 and 15 to 1 would “fully suppress” tlgE (24). The use of tlgE to guide omalizumab dosage is questionable, especially in food allergy, where higher tlgE levels are known not to correlate with greater clinical reactivity and where guidelines recommend against their use for diagnostic purposes (25). In fact, decrease in free serum tlgE following the use of omalizumab has paradoxically been shown to increase IgE-mediated basophil sensitivity (26, 27). Interestingly, talizumab, another anti-IgE monoclonal antibody, had been shown to exert a dose-related protective effect in food allergy in a study using fixed dosages that were not adjusted for total IgE (9).

Considering the high cost of omalizumab, optimizing dosage is essential to guide its cost-effective and personalized use for this indication. This said, before undertaking direct comparison of dosages in a randomized controlled fashion, the basics for appropriate dosage calculation must first be clarified.

In this study, we report a large cohort of omalizumab-enabled accelerated food OIT (OEAOIT) and take advantage of the wide array of omalizumab dosages used to establish the determinants of treatment response and lay the basis for a more evidence-based

125 rationale for omalizumab dosing in the context of food allergy and other IgE-mediated
126 disease.

Methods

Study population

Study sample consisted of patients undergoing omalizumab-enabled OIT at either one of three academic centers in Quebec as part of a government-funded public OIT pilot program between November 2015 and September 2019. The direct mandate received from the health minister was 1) to initiate a clinical offer in OIT focussing on the most severe cases, 2) to establish standards for its delivery in a public healthcare context outside research and 3) to collect prospective data on cost and clinical performance indicators.

To be eligible for the OIT program, patients had to report either a recent IgE-mediated reaction to their food allergen(s) or allergy tests above the 95% predictive positive value for IgE-mediated allergy. Prioritization was based on a severity score given by the referring allergist (normalized by allergist to account for leniency bias). Clinical data was collected at each visit using standardized case report forms. The institutions' ethics committees approved the ad hoc analysis of patient data collected through the program for research purpose.

Omalizumab

Decision to elect for an omalizumab-enabled OIT protocol was individualized based on each patient context following discussion with OIT provider. Usual omalizumab dosages calculated from the asthma chart were generally adapted to patient context (e.g. doses were often rounded up to units of 150 mg to avoid wasting half vials of medication, or

rounded down for patients paying out of pocket). This allowed for a large variation in dosages received. In all cases, omalizumab injections began at least 2 months before the initial food escalation.

Multi-food OIT

Patients were treated with up to 6 food allergens simultaneously using the previously described multi-food OIT protocol (20, 28). Details are provided in the online supplement. The protocol started with an initial food escalation (IFE) that occurred over one day and was standardized across sites to determine the starting daily dose of the personalized food mix. This was followed by an up-dosing phase in which the daily dose was increased in clinic every other week based on clinical tolerance. The final target dose was individualized per food according to patient's personal objectives as recommended by the Canadian clinical practice guidelines for OIT (29).

Weaning phase

Co-treatment with omalizumab was generally continued throughout the up-dosing phase, and discontinued when the final maintenance dose was achieved, unless it had been prescribed for a concomitant diagnosis of asthma, in which case it was continued indefinitely, for that purpose. Patients were seen in clinic 3 and 6 months following omalizumab discontinuation or more frequently if needed. All patients were instructed to contact the clinic nurse by phone or email in case of new symptoms with food dosing.

IgE measurement

All analyses presented in this study are based on a single measurement of total IgE (tIgE) and specific IgE (sIgE) occurring on their clinical evaluation visit prior to starting omalizumab or oral immunotherapy. The three sites used the ImmunoCAP auto-analyser (Phadia) for tIgE and sIgE measurements. The lowest detection limit for sIgE was < 0.35 kUA/L. The highest detection limit was 100 kUA/L although 1:10 dilutions performed for some patients allowed measurements beyond this limit. The sIgE/tIgE ratio was calculated for each allergen by dividing the allergen-specific IgE (kUA/L) by tIgE (kIU/L). When multiple foods were included in the mix, a cumulative sIgE/tIgE ratio was also calculated by adding the sIgE/tIgE ratio of each food.

Pharmacokinetic/pharmacodynamics simulation

Longitudinal changes in omalizumab-IgE complexes as well as in free omalizumab and free IgE (defined as omalizumab and IgE molecules that are not part of a complex) were simulated for the first 168 days following onset of drug injections and of the 200 days following the last injection, based on a previously published pharmacokinetic/pharmacodynamics (PK-PD) model combining data from 12 asthma cohorts to derive covariate parameter estimates (30-32). The PK-PD simulator was programmed with Microsoft Excel. All equations can be found directly in the PK-PD simulator, which is available for consultation and for use in the online repository. Briefly, distribution volumes and clearances for free omalizumab, free IgE and IgE-omalizumab complexes, IgE production rate and the binding dissociation constant (K_d)

were first estimated for each patient based on age, weight, body mass index, sex, ethnicity and baseline tIgE levels. Omalizumab and IgE values were converted to mole units to allow their entry into the mass action equation.

For each day of the simulation, the simulator calculates the amount of omalizumab absorbed from the injection site based on the absorption rate constant (0.635 per day). It also removes free IgE, free omalizumab and IgE-omalizumab complexes according to their respective clearance rate and adds new free IgE based on the daily production rate. It then adjusts for non-linear change in K_d based on the new omalizumab:IgE ratio before resolving the mass action equation and calculating the amount of omalizumab-IgE complexes at equilibrium. Levels of allergen-specific free sIgE and complexes were estimated by multiplying values by the sIgE/tIgE ratio at baseline.

Data analysis

The highest tolerated dose on the IFE was selected as the primary outcome measure to assess the dose-related response to omalizumab prior to data analysis because the procedure was standardized across sites and occurred before introduction of daily food doses, thus limiting the confounding effect of ongoing OIT. To account for the fact that some patients completed the IFE without any symptoms and that their highest tolerated dose could potentially have been higher (ceiling effect), data was analysed with survival analysis using dose progression as time variable. Data from non-reactive patients was thus censored at the last IFE step performed. Kaplan-Meier curves were generated to illustrate the dose-related effect of omalizumab on IFE outcome and analysed with log-

rank. Multivariate survival analysis was performed with Cox regression with forward and backward methods. Independent variables included in the analysis included sex, age, presence of asthma, allergic rhinitis, atopic dermatitis, highest and mean baseline skin prick test and the sIgE/tIgE ratio.

For the main analysis, patients with censored IgE ($>100\text{kUA/L}$) were treated as missing value. Sensitivity analyses included A) repeating the analysis considering sIgE censored values as valid, B) performing linear regression analysis adjusting for non-reactors on IFE by doubling the starting daily dose, and C) controlling for food allergens in mix using the forced entry method (available in the online supplement).

As a second step to explore the underlying mechanisms for the associations observed with the first analysis, a separate Cox regression analysis was performed testing specifically for estimated levels of free allergen-specific IgE (or their average if multiple foods in the mix), free omalizumab and allergen-specific IgE:omalizumab complexes at time of initial food escalation based on the PK/PD simulation. Because the three variables are interdependent, interactions were also assessed in order to establish the best-fitting model.

Dosing progression speed during the up-dosing phase, as well as the occurrence of immediate or delayed reactions during the up-dosing and omalizumab weaning phases were treated as secondary endpoints. Association of patient characteristics with these secondary endpoints were tested in univariate and multivariate analyses, using

237 student's T test as well as linear or logistical regression, as appropriate. Analyses were
238 performed using SPSS Statistics Version 25 (IBM).

Results

Cohort description

As of September 2019, a total of 181 patients in the OIT pilot program had received omalizumab as pre-treatment for their OIT. Patient demographic and clinical characteristics are presented in Table I. The group included 7 adults (3.9%) and 61 (33.7%) children aged less than 6 years old. One-hundred-fourteen (114) patients (63%) reported a history of at least one episode of severe anaphylaxis (CoFAR grade ≥ 3). The majority (74%) requested treatment for multiple food allergens. Treatment was provided for 32 different food allergens, with peanut being the most frequent, followed by egg, milk and tree nuts (Table S2). Eighty-five (85) patients (47%) had at least one allergen with specific IgE levels greater than 100kU/L. Uncensored data above 100 kU/L was available for 37 of these patients (Figure 1).

Omalizumab dosage varied from 75 mg to 900 mg per month with a median at 300 mg per month (Figure 1). When adjusted for weight and tIgE, omalizumab dosages ranged from 0.0012 to 0.257 mg/kg/IgE (IU/mL) with a median of 0.023 mg/kg/IgE (IU/mL). When adjusting for weight alone, dosages ranged from 2.0 to 52.9 mg/kg with a median at 12.6 mg/kg. There was no correlation between the omalizumab dosage adjusted for weight and IgE and that adjusted for weight alone ($R^2=0.002$, $p=0.55$).

Initial food escalation outcome

Of the 181 patients, 118 (65%) experienced a reaction during their IFE, of which only 8 (4.4%) were CoFAR grade 2 or higher (Table II). The dose of 50mg total protein was tolerated by 177 patients (98%) and 76 (42%) could tolerate the final dose of 1200mg. When adjusted for weight and tIgE (as per the asthma chart) omalizumab was found to have no dose-related effect on IFE outcome ($\chi^2=0.001$, $p=0.97$) (Figure 2, panel A). In contrast, it was found to have significant dose-related efficacy at increasing the highest tolerated dose on IFE when considering dosage based on weight alone ($\chi^2=28.78$, $p<0.0001$), with a very clear separation of survival curves (Figure 2, panel B). Cox regression analysis using forward or backward methods both converged on the same model ($\chi^2=27.86$, $df=2$, $p<0.0005$) identifying the baseline sIgE ($HR=1.41$, 95%CI: 1.14-1.72 $p<0.0005$) and omalizumab dosage per weight ($HR=0.40$, 95%CI: 0.30-0.58, $p<0.0005$) as independent predictors of participants' progression during IFE (see online supplement for list of included variables). In other words, at each step of the IFE, the risk of reacting decreased by 60% every time omalizumab dosage per weight was doubled and it increased by 47% every time baseline average sIgE were doubled.

Clinical evolution following IFE

The clinical evolution of the cohort following the IFE is described in Figure 3 and Table II. At time of analysis, 11 patients (6%) had discontinued treatment. Of these, 8 discontinued due to dosing reactions, 1 for logistical reasons, 1 due to food aversion and one was terminated by physicians due to poor compliance with food dosing and asthma

medication. Using survival analysis to adjust for individual length of follow-up, the intent-to-treat rate of continued consumption at 2 years was estimated at 90.3% (95%CI: 81.3 – 95.1) (Figure 3, Panel B).

During the up-dosing phase, 23 patients presented with immediate-type reactions to food dosing while 27 presented with delayed-type gastro-intestinal reactions, occurring more than one hour after taking the food dose (Table II). All of the 9 systemic reactions were associated with the presence of a co-factor (e.g. exercise, fever). Where most immediate-type gastro-intestinal reactions could be controlled by adding anti-H1 and anti-H2 medication one hour before the dose, delayed-type reactions generally required adjustments to daily food dosage and, depending on clinical presentation, additional treatment with proton-pump inhibitors, montelukast, misoprostol, sodium cromoclycate or swallowed topical corticosteroids.

Omalizumab dosage was not associated with the occurrence of food dosing reaction during the up-dosing phase but linear regression showed a trend for faster build-up in patients using higher dosages based on weight, when controlled for starting home dose. This represented an extra 3.8% increase in average food dose progression per week each time omalizumab dosage was doubled (95%CI: -0.1–7.7%, $p=0.055$). Omalizumab dosage adjusted for weight and tIgE did not show such an association (-0.8%; 95%CI: -2.4–1.6%, $p=0.47$).

The only association found with symptoms during the escalation phase was between the largest baseline skin test to a food in the mix and the occurrence of delayed-type gastro-

intestinal reactions (average of 17 ± 1.6 mm compared to 12.8 ± 0.5 mm in the rest of the cohort; $p=0.003$).

Omalizumab weaning

Thirty-two (32) patients out of 144 (22%) presented immediate-type reactions to their food dose following discontinuation of omalizumab. These were mostly managed by adding pre-medication or transiently increasing food dosing frequency to twice a day (without decreasing the food dose itself). Six (6) of these patients were restarted on omalizumab to allow a more progressive, slower tapering. The only independent predictor for the occurrence of immediate reactions during weaning phase was the sIgE/tIgE ratio that was specific to the foods in the mix (Figure 4). In reactive patients, the geometric mean for sIgE/tIgE ratio was 0.39 compared to 0.16 in the rest of the cohort ($p<0.0001$). In addition, 17 patients experienced delayed gastro-intestinal reactions during that phase, most of which could be managed with adjustments in medication and food dosing (Figure 3).

PK/PD simulation

Individual patient PK/PD simulation curves for serum levels of free omalizumab, free IgE and omalizumab:IgE complexes are presented in Figure 5. When considering average levels in the 4 weeks preceding the IFE, free omalizumab ranged from 132 to 2926 nM with a median at 790 nM (Table S1, online supplement). Estimated levels of free tIgE ranged from 10 to 400 pM ([0.79 to 31.7 kIU/L] or [1.9 to 76 ng/mL]) whereas those for free sIgE ranged from 0.5 to 50 pM ([0.04 to 3.95 kUA/L] or [0.01 to 9.5 ng/mL]).

Estimated levels of food-specific sIgE-omalizumab complexes ranged from 0.3 to 20 nM. When considering the omalizumab weaning period, the estimated time to return to 50% of the baseline levels of free IgE after discontinuing omalizumab ranged between 64 and 177 days with a median at 135 days. When using PK/PD parameters estimated from simulations as variables for Cox regression analysis to predict progression through IFE, the best-fitting model ($\chi^2=67.5$, $df=3$, $p<.0005$) where risk of reacting throughout IFE was dependent on estimated levels of allergen-specific free IgE and their interaction with blocking complexes and free omalizumab.

Discussion

While the efficacy of anti-IgE therapy at increasing reactivity threshold and allowing safe and rapid desensitization to food allergens has been demonstrated in previous high-quality randomized control trials, concrete practical questions remain for its optimal use in clinical practice. This study uses a large cohort of OEAOIT to provide novel pragmatic data regarding optimal drug dosage strategy, clinical outcomes and prognostic factors in real-life setting.

The primary and most robust finding of this study lies in the demonstration that dosage for omalizumab should be based on weight alone rather than on weight and tIgE. These results are so striking that they challenge the appropriateness of the current omalizumab dosage chart based on tIgE even for allergic asthma. The notion that omalizumab dosage should aim to suppress free tIgE below 50ng/mL had already been challenged by Korn and colleagues, who reported no difference in levels of free tIgE in responders compared to non-responders (average of 58 vs 61 ng/mL)(33). They did however observe higher concentrations of serum free omalizumab in responders (45 ± 8 vs 22 ± 5 μ g/mL; $p < 0.0001$ in univariate analysis) indicating greater dosage per weight. In the asthma dosing table, tIgE levels below 100 kIU/L lead to a dosage per weight of 1.5mg/kg, compared to at least 12 mg/kg in patient with levels above 800 kIU/L. Lower dosages could very well explain previous reports of lower efficacy in patients with low tIgE (34-36). Similarly, the higher sIgE/tIgE ratio previously reported in non-responders

likely reflects a combination of low sIgE and high omalizumab dosage per weight in this population (36).

Progress in our knowledge of IgE biology since the initial development of omalizumab offers potential explanations for the lack of relevance of tIgE in determining efficacy.

Notably, high levels of tIgE are now known to reduce the intrinsic sensitivity of basophil to IgE-mediated stimulation, by increasing the density of its FcεRI receptors on cell surface and the chance of it spontaneously aggregating and activating inhibitory pathways (26, 27, 37, 38). With anti-IgE therapy, the loss of this protective effect is likely compensated by the decrease in free sIgE. In addition, contrary to what was originally thought, it has recently been shown that omalizumab can directly dislodge IgE from its receptor in a dose-dependent manner at therapeutic concentrations (5). Circulating complexes of sIgE bound to omalizumab have also been shown to neutralize free allergens preventing them from reaching and activating mast cells (6, 39). In this cohort, the amount of allergen-specific complexes corresponded to the molar equivalent of 0.05 to 3.23 mg/L of food-specific IgG4. The fact that complexes are specific to the exact same epitopes as cell-bound IgE could theoretically contribute to a qualitative advantage over allergen-specific IgG4(40). Importantly, these three mechanisms, which appear to contribute to omalizumab response in the Cox regression model, are all independent of tIgE (Figure 6).

The main strengths of this study include the high number of patients, the great variety in omalizumab dosage per weight and per IgE and the standardized approach to the IFE,

which provided the statistical power to effectively test omalizumab dose-response. The real-life approach with adaptable dosing schedule and clinical evolution data also contribute to draw a concrete picture of what to expect with clinical implementation. Indirect estimation of relevant biological parameters through simulation based on PK/PD models offered an alternative to their direct measure thus avoiding the technical challenges related to the interference of anti-IgE with laboratory assays (41). The DTE 2013 model is based on PK/PD data from 12 studies including 3229 patients and been shown to provide an excellent fit between observed and predicted data (32).

One limit of the study is that the assessment of omalizumab dosage beyond the IFE suffered from a lack of standardized up-dosing rules across the cohort. Despite this, there was a trend for a modest dose-related effect on average up-dosing speed when considering dosage per weight. It would be important to clarify the potential contribution of omalizumab at each phase of treatment. If its clinical impact was indeed found to be more limited during the co-treatment phase, this could mean that a better investment could be to increase dosage in the pre-treatment phase and rapidly wean omalizumab following the IFE. This is currently being assessed prospectively in a dose-determining randomized controlled trial using adaptive yet standardized up-dosing rules (42).

Another limit is that the diversity of foods included in the mix contributes to heterogeneity. While the amount of each food in the mix is matched for its protein content, the fraction of allergenic protein and their allergenic potency may differ from

food to food. Sensitivity analyses controlling for foods included in the mix did not impact results (available in the online supplement).

Patients in this study were prioritized for treatment based on the severity assessment by the referring allergist. As a result, the population described is unique in terms of history of severe reactions, number and type of foods treated and levels of specific IgE to food allergens in the food mix. This population is at high risk of being excluded from an eventual OIT offer in clinic because perceived as too challenging, which would be unfortunate considering it potentially arguably also has the most to gain from treatment. Importantly, the rate of continued consumption of food allergens two years after initiating OIT was greater than 90% in this cohort. This shows not only that desensitization is feasible in this population but also that the benefit associated with treatment outweighed the burden of therapy and dosing reactions for the majority of patients and families.

This study provides insight on risk of dosing reactions in the various phases of OEAOIT in this population. Notably, the clinical presentation of abdominal pain was particularly heterogeneous, in terms of timing after dose, evolution between escalation visits and association with other gastro-intestinal symptoms. Response to medication, which varied between patients, does provide insight into difference in underlying mechanism. Notably, many patients presented with delayed-type reactions hours after taking their dose. The fact that this clinical presentation also occurred with omalizumab weaning is

suggestive of IgE-mediated late-phase reactions involving lipid mediators rather than actual cellular-mediated allergy. Another characteristic of late-phase abdominal pain is that it tends to accumulate and amplify over time unless specifically addressed. This is different from immediate abdominal pain reactions, which tend to improve with continuous food dosing over the few days following a dose increase.

Previous reports identified the weaning phase following omalizumab discontinuation as being at high risk for recurrence of dosing reactions. Here, the majority of patients were able to wean successfully. However, those with a high sIgE/tIgE ratio had a greater risk of experiencing return of or new onset of IgE-mediated symptoms to food dosing during this critical period. This is in line with at least one previous report on OEAOT in which eleven patients with an average ratio of 0.12 peanut-specific IgE per total IgE successfully weaned omalizumab whereas the six who were unable to discontinue it had an average ratio of 0.4 (43). The sIgE/tIgE ratio has also previously been associated with response to allergen immunotherapy without omalizumab(44-46). It follows the mechanistic conceptualization of desensitization, which is thought to involve digestion of internalized sIgE:allergen complexes and recycling of empty FcεRI receptors to the mast cell surface (Figure 6). A high sIgE/tIgE ratio increases the likelihood of those empty receptors rearming with the same sIgE, which partially nullifies the effect of desensitization. In such patients with a high sIgE/tIgE ratio or “unstable” desensitization during weaning, one approach has been to transiently increase food dosing frequency to

twice a day to limit the time for mast cell rearming in the interval between doses, or to taper omalizumab more progressively.

In conclusion, this real-life cohort of OEAOIT in a high-risk food allergic population had a high success rate for continued consumption 2 years after initiating therapy. Results from the IFE strongly indicate that, at least in the context of food allergy, omalizumab dosages should be adjusted for body weight alone, independently of tIgE. Ongoing prospective randomized-controlled trials will help determine the most cost-effective dosage for omalizumab in this indication.

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FIGURE LEGENDS**FIGURE 1 – Distribution of specific IgE levels and omalizumab dosages in cohort.** Panel

A describes the specific IgE against each individual foods included in the treatment mix from highest to lowest allergen. Values presented as red triangle indicate tests that reached the assays upper limit of 100kUA/L and were not further tested by 1:10 dilution and are therefore underestimated. Distribution of monthly omalizumab dosage are presented unadjusted (B), adjusted for weight only (C) and adjusted for weight and total IgE (D). There was no correlation between dosage adjusted for weight or adjusted for weight and total IgE ($R^2=0.002$, panel E).

FIGURE 2 – Dose-related effect of omalizumab on IFE outcome. Kaplan-Meier curves

showing the percent of patients progressing through each step of their initial food escalation (IFE) according to omalizumab dosage. The highest tolerated dose is treated as the survival time variable. Patients completing their IFE without reacting are censored at the highest dose reached (black dots). Panel A compares IFE progression according to incremental omalizumab dosages per weight and IgE while panel B does the same for dosages calculated per weight only. Chi-square and p-values were calculated using log-rank test.

FIGURE 3 – Clinical evolution following initial food escalation. Panel A indicates the progression of patients in the various phases of treatments as well as reasons for discontinuation. Panel B presents rates of continued consumptions of allergens over time (full line). Data is censored at the last follow-up visit (vertical bars). The dotted lines indicate the confidence interval. *OIT: Oral Immunotherapy, OEAOIT: Omalizumab-enabled OIT.*

FIGURE 4 – Association between the cumulative sIgE/tIgE ratio and the risk of immediate-type reaction to food dosing during the omalizumab weaning phase. Summary bars indicate geometric mean and error bars geometric standard deviation.

FIGURE 5 – Longitudinal PK/PD simulation of free omalizumab, free IgE and omalizumab-IgE complexes serum levels. Simulations are based on the PK/PD model from Honma W et al. Ethnic sensitivity assessment of pharmacokinetics and pharmacodynamics of omalizumab with dosing table expansion. Drug Metabolism and Pharmacokinetics 2016;31:173-184. The complete simulation program is available in the online repository. Simulations are presented for the first 168 days of omalizumab injections and for the 200 days following the last injection.

FIGURE 6 – Theoretical framework for underlying mechanisms. The dose-related effect of omalizumab on the initial food escalation is dependent on the combined effect of decrease in free sIgE that is available to bind its receptor on mast cells, the concentration, which can competitively remove sIgE from its receptor and the concentration of omalizumab-sIgE complexes, which have allergen neutralizing function (Panel A). After weaning omalizumab, the high tolerance threshold is maintained by the regular ingestion of the allergen, which prevents reaccumulation of sIgE on mast cell surface (panel B). Following endocytosis of the allergen/sIgE/receptor complex the empty IgE receptors are recycled to the cell surface and will bind available free IgE. The likelihood of the receptor rearming with a sIgE depends on the sIgE:tlgE ratio. This would explain the increased risk of dosing reactions at time of weaning in patients with high sIgE:tlgE ratio. *sIgE: specific IgE, tlgE: total IgE.*

640 **TABLES**

Number of subjects	181
Age median (IQR)	9.4 y (5.2–13.9)
Male	120 (66%)
Weight median (IQR)	30 kg (18 – 48)
BMI median (IQR)	16.6 (15.6 – 19.8)
Asthma	119 (66%)
Atopic dermatitis	99 (55%)
Allergic rhinitis	66 (36%)
Number of allergens in mix	
1	43 (24%)
2	28 (15%)
3	32 (18%)
4	27 (15%)
5	30 (17%)
6	21 (12%)
Baseline allergy tests, median (IQR)	
Largest SPT	12.5 mm (9 – 15)
Smallest SPT	7 mm (5 – 10)
Highest sIgE	96.4 kUA/L (49.2 – >100)
Lowest sIgE	9.5 kUA/L (3.2 – 38.6)
tlgE	578 kIU/L (277 – 1290)
sIgE/tlgE ratio	
Average per food in mix	0.21 (0.11 – 0.35)
Cumulative ratio of all foods in mix	0.25 (0.12 – 0.37)
Omalizumab median (IQR)	
Monthly dosage, unadjusted	450 mg (262.5 – 600)
Monthly dosage, adjusted for weight	12.6 mg/kg (8.8 – 19.2)
Monthly dosage, adjusted for weight and tlgE	23.1 µg/kg/IgE (IU/mL) (12.1 – 34.9)
Pre-treatment duration	9 wks (8 – 13)

641 **TABLE I. Baseline characteristics of study patients.** *IQR: interquartile range, SPT : skin*
642 *prick test, IgE: Immunoglobulin E, BMI: body-mass index, sIgE: allergen-specific IgE*
643 *levels, tlgE: total IgE levels including both specific and non-specific to the index allergen.*

INITIAL FOOD ESCALATION (n=181)	
Highest tolerated dose (starting dose for home dosing)	
≥ 50 mg	171 (95%)
≥ 150 mg	154 (86%)
≥ 300 mg	132 (74%)
≥ 600 mg	95 (54%)
≥ 1200 mg	67 (41%)
Reaction during initial food escalation	
No reaction	60 (37%)
Local reaction only	44 (23%)
CoFAR grade 1	70 (36%)
CoFAR grade 2	7 (4%)
CoFAR grade 3	1 (1%)
UP-DOSING PHASE (n=181)	
Duration (weeks)	12 (9 – 18)
Average interval between escalations (days)	17 (15 – 19)
Average amount escalated per visit (%)	80 (60 – 95)
Final maintenance dose (mg protein)	4000 (2362 – 8068)
Immediate-type reaction	
Local gastro-intestinal symptoms	14 (8%)
Systemic CoFAR grade 1 symptoms	6 (3%)
Systemic CoFAR grade 2 symptoms	3 (2%)
Delayed-type gastro-intestinal symptoms	27 (15%)
OMALIZUMAB WEANING (n=144)	
Timing of last injection	
Relative to IFE (weeks)	13.7 (9.0 – 20.9)
Relative to maintenance (weeks)	0.0 (-2.0 – 3.3)
Immediate-type reaction	
Local gastro-intestinal symptoms	10 (7%)
Systemic CoFAR grade 1 symptoms	10 (7%)
Systemic CoFAR grade 2 symptoms	12 (8%)
Delayed-type gastro-intestinal symptoms	17 (12%)

644 **TABLE II. Oral immunotherapy progression. IFE: Initial Food Escalation**

Insert patient data here ↓

Omalizumab PKPD simulator v1.1 (2020-jun-28)

Patient characteristics

Sex	Male
Age	8 years
Weight	35 kg
BMI	16 kg/m ²
Race	Caucasian

Baseline serum total IgE levels

Specific IgE	50 kUA/L
Total IgE	250 kIU/L

Omalizumab dosage

Amount	450 mg
Frequency	q 2 weeks
Duration	12 weeks

☐ Fitting for first few days of therapy**uses K_a and V_c estimates based on 2 bioequivalence studies sampled at early time points (see reference below)

References:

PK/PD simulator: Azzano P, Paquin M, Langlois A, Morin C, Parizeault G, Lacombe-Barrios J, Saman K, Graham F, Paradis L, Des Roches A, Begin P. Determinants of omalizumab dose-related efficacy oral immunotherapy: evidence from a cohort of 181 patients. *J Allergy Clin Immunol.* 2020; 145X.

PK/PD model: Hayashi N, Tsukamoto Y, Sallas WM, Lowe PJ. A mechanism-based binding model for the population pharmacokinetics and pharmacodynamics of omalizumab. *Br J Clin Pharmacol.* 2007 May; 63(5): 548-561.

Covariate parameter estimates: Honma W, Gautier A, Paule I, Yamaguchi M, Lowe PJ. Ethnic sensitivity assessment of pharmacokinetics and pharmacodynamics of omalizumab with dosing table expansion. *Drug Metabolism and Pharmacokinetics.* 2016; 31:173-184.

K_a and V_x estimates from bioequivalence studies: Lowe PJ, Renard D. Omalizumab decreases IgE production in patients with allergic (IgE-mediated) asthma; PKPD analysis of a biomarker, total IgE. *Br J Clin Pharmacol.* 2011;72(2):306-20.

Female 0

Age < 12y 1

Black 0

Japanese 0

Oriental 0

Other 0

Daily clearances

Omalizumab 0.102 L

IgE 0.890 L

Complexes 0.234 L

Volumes

Omalizumab 4.180 L

IgE 4.180 L

Complexes 0.925 L

Daily production

IgE 424.7 ug = 2.24 nmol

Binding dissociation constant

 K_{d0} 1.82 nmol per L

Absorption rate constant

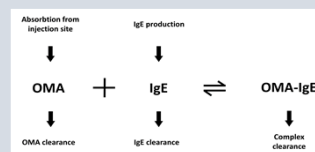
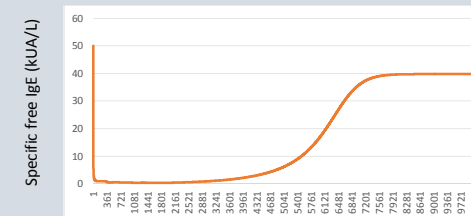
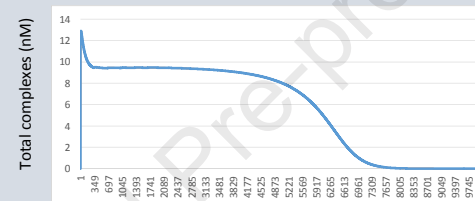
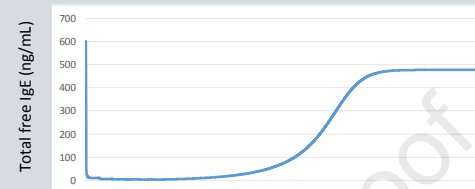
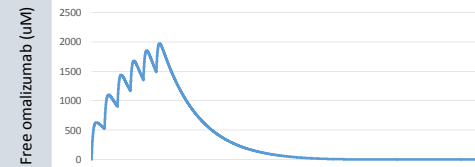
 K_a 0.635 d⁻¹ = 0.026 h⁻¹Change in K_d with omalizumab to IgE ratio
 α 0.109

Fig. 1: PK/PD model (adapted from Hayashi et al. 2007)



2

2	2599.679192	0.4390711	3.31204134	0.192821	11.021246	0.10757175	10.0852492	2589.48637	619.55775	0	224	6	2.638	2592.77063	0.24625014	0.05891755	11.1943338	0.93286115	0.031263	0.00218419	0.33719225	619.55775	0.61955775	4.66450214	0.93290043	11.021246	2.2042492
3	2602.85579	0.4224415	3.31305793	0.1768065	11.003929	0.10740273	10.064029	2592.67907	620.32163	0	218	6	2.641	2595.80339	0.24563583	0.05877057	11.1664078	0.93053398	0.031263	0.00217874	0.33658339	620.32163	0.62032163	4.65286282	0.93057316	11.003929	2.2070858
4	2605.87791	0.4059863	3.314047	0.1609467	10.986781	0.10725356	10.057313	2595.71184	621.04375	0	212	6	2.644	2598.80502	0.24503963	0.05862792	11.113905	0.9282741	0.031263	0.00217454	0.33599248	621.04375	0.62104375	4.64157249	0.9283145	10.986781	2.1973552
5	2608.74235	0.3897038	3.31500925	0.1454328	10.969809	0.1070693	10.040029	2598.5889	621.73363	0	207	5	2.647	2601.40621	0.24464999	0.05849848	11.113905	0.92560337	0.031263	0.00216832	0.33541897	621.73363	0.62173363	4.63061182	0.9251236	10.969809	2.1939602
6	2611.44405	0.3735921	3.31594535	0.1296927	10.952987	0.10690552	10.022782	2601.31471	622.38779	0	201	5	2.650	2603.9846	0.24389939	0.05835511	11.0874075	0.92395587	0.031263	0.00216534	0.33486235	622.38779	0.62238779	4.61997388	0.92394878	10.952987	2.1905974
7	2614.00782	0.3574696	3.31685593	0.1124295	10.936381	0.10673402	10.007552	2603.89309	623.00469	0	196	5	2.653	2606.41959	0.24354342	0.0582247	11.0626921	0.9218901	0.031263	0.00216185	0.33432212	623.00469	0.62300469	4.6069641	0.92192982	10.936381	2.1872676
8	2616.42714	0.3418744	3.31766103	0.10990491	10.919528	0.10658212	9.9924664	2606.32809	623.58728	0	191	5	2.655	2608.71508	0.2428253	0.05809812	11.0386432	0.9198669	0.031263	0.00215581	0.33377979	623.58728	0.62358728	4.5966283	0.91992566	10.919528	2.1839706
9	2618.70549	0.3262647	3.31860363	0.0893929	10.903529	0.10642279	9.9753008	2608.6236	624.15630	0	186	5	2.657	2610.87484	0.24231186	0.05797528	11.0150326	0.9179448	0.031263	0.00214884	0.3332889	624.15630	0.62415630	4.58990267	0.91788053	10.903529	2.1807059
10	2620.85272	0.310819	3.31944076	0.0800604	10.8873673	0.10626504	9.9627408	2610.78337	624.73425	0	181	5	2.660	2613.00254	0.24181355	0.05786605	10.9924999	0.91605416	0.031263	0.00214484	0.33279901	624.73425	0.62473425	4.58386365	0.91602973	10.8873673	2.177475
11	2622.86378	0.2953336	3.3204536	0.0704405	10.8713645	0.1060961	9.9489641	2612.81107	625.31365	0	176	5	2.662	2615.14074	0.24132094	0.05774034	10.9706651	0.9142212	0.031263	0.00214084	0.33231569	625.31365	0.6251365	4.57713892	0.91420661	10.8713645	2.1742904
12	2624.749836	0.2810423	3.32104739	0.0639517	10.8555197	0.10585197	9.9357749	2614.71028	625.59280	0	171	5	2.664	2616.57592	0.24080661	0.05762805	10.9493360	0.91244419	0.031263	0.00213638	0.33185053	625.59278	0.6259278	4.56241303	0.91248261	10.8555197	2.1711039
13	2626.509519	0.265448	3.32181739	0.0520458	10.8398317	0.10560108	9.9192417	2616.48444	626.01729	0	164	5	2.665	2618.22847	0.24040517	0.05751908	10.9286261	0.91071884	0.031263	0.00213234	0.33139913	626.01729	0.62601729	4.55378593	0.9107519	10.8398317	2.1679663
14	2628.147712	0.2506409	3.32255658	0.04106777	10.824299	0.10546947	9.90502821	2618.13703	626.41628	0	162	4	2.667	2619.76268	0.23996322	0.05741334	10.908535	0.9090641	0.031263	0.00212842	0.33091993	626.41628	0.62614268	4.54541444	0.9090829	10.824299	2.1648598
15	2629.67709	0.2359893	3.32329338	0.03964591	10.8089203	0.10549937	9.89095554	2619.67125	626.77975	0	158	4	2.669	2621.18175	0.23953439	0.05731074	10.8890411	0.90742009	0.031263	0.00212462	0.33053607	626.77975	0.62677975	4.53729149	0.9074583	10.8089203	2.1617841
16	2631.07709	0.2214916	3.32400631	0.03273429	10.7934942	0.10535076	9.87702254	2621.09034	627.11928	0	154	4	2.670	2622.48882	0.23911832	0.05721113	10.870127	0.9058489	0.031263	0.00212031	0.33012369	627.11928	0.62711928	4.52941027	0.9058062	10.7934942	2.1587388
17	2632.36584	0.2074462	3.32468731	0.02648731	10.7786193	0.10520662	9.86327704	2622.39741	627.43301	0	150	4	2.671	2623.58891	0.23871467	0.05711462	10.851777	0.90431476	0.031263	0.00211753	0.32972362	627.43301	0.62743301	4.52176421	0.90435284	10.7786193	2.1557239
18	2633.550138	0.1929516	3.32535469	0.0246287	10.763944	0.10505795	9.84957052	2623.59551	627.71867	0	146	4	2.673	2624.77899	0.23832309	0.05702093	10.8339765	0.90203138	0.031263	0.00211388	0.32933552	627.718667	0.62771867	4.51434465	0.90286939	10.763944	2.1527389
19	2634.62856	0.178906	3.32602696	0.02096276	10.748918	0.10491372	9.83604904	2624.6876	627.9996	0	142	4	2.674	2625.76794	0.23794327	0.05693005	10.8167103	0.90139252	0.031263	0.00211051	0.32895907	627.9996	0.6279996	4.50715237	0.9014307	10.748918	2.1497836
20	2635.603987	0.1650081	3.32663255	0.0274331	10.7342888	0.10477904	9.82266227	2625.67655	628.21658	0	138	4	2.675	2626.65565	0.23757549	0.05684192	10.7999642	0.89999702	0.031263	0.00210704	0.32859396	628.21658	0.62821658	4.50017457	0.90003491	10.7342888	2.1468754
21	2636.49221	0.1512562	3.32724388	0.0240386	10.7198055	0.10462957	9.80948099	2626.56518	628.42919	0	134	4	2.676	2627.44758	0.23721767	0.05675645	10.7837247	0.89864373	0.031263	0.00210407	0.32823989	628.42919	0.62842919	4.49340782	0.89868156	10.7198055	2.1439611
22	2637.25091	0.1376489	3.32787738	0.0200776	10.7054667	0.10449862	9.79628798	2627.35621	628.61845	0	131	3	2.677	2628.14367	0.23688128	0.05667357	10.7679785	0.89733154	0.031263	0.002101	0.32789659	628.61849	0.62861845	4.48684662	0.89736932	10.7054667	2.1410933
23	2637.939594	0.1241846	3.32841344	0.0167409	10.6912712	0.10435107	9.78328082	2628.05523	628.78500	0	127	3	2.677	2628.7474	0.23653547	0.05659323	10.7527128	0.8965094	0.031263	0.00209802	0.32756735	628.78500	0.6287935	4.48048563	0.89690713	10.6912712	2.1382542
24	2638.53095	0.1098745	3.32897245	0.01465182	10.6772176	0.1042139	9.77043792	2628.65604	628.92945	0	124	3	2.678	2629.26129	0.23620996	0.05651534	10.7379151	0.8948626	0.031263	0.00209513	0.32724712	628.92945	0.6289245	4.47431969	0.89486394	10.6772176	2.1354453
25	2639.031732	0.097679	3.3295148	0.01187453	10.6633405	0.1040781	9.75770646	2629.169954	629.05240	0	121	3	2.678	2629.68781	0.23594488	0.05643986	10.7235736	0.8936114	0.031263	0.00209234	0.32692844	629.05240	0.6290524	4.46834382	0.89366876	10.6633405	2.1326699
26	2639.445517	0.0849349	3.33004086	0.00940613	10.6495308	0.10394366	9.74510246	2629.59647	629.15540	0	118	3	2.679	2630.02933	0.23568878	0.0563672	10.7096768	0.89247306	0.031263	0.00208962	0.32662545	629.15541	0.62915445	4.4625532	0.89251064	10.6495308	2.1299602
27	2639.77436	0.07107279	3.33055099	0.00634531	10.635895	0.10381057	9.73264733	2629.938	629.23616	0	114	3	2.679	2630.28818	0.23529261	0.05629586	10.6962313	0.8915111	0.031263	0.002087	0.32633191	629.23616	0.62923616	4.45694318	0.89138864	10.635895	2.1273173
28	2640.02081	0.05890591	3.33104583	0.00395091	10.6223959	0.10368061	9.7192277	2630.28818	629.29929	0	111	3	2.680	2630.56687	0.23477293	0.05616706	10.681217	0.8905474	0.031263	0.00208495	0.32604759	629.29929	0.62929929	4.45021824	0.89042671	10.6223959	2.1246255
29	2640.18601	0.0463197	3.33154123	0.00185174	10.6090323	0.10354838	9.7043371	2630.37531	629.36348	0	109	3	2.680	2630.56687	0.23477293	0.05616706	10.6750453	0.88921096	0.031263	0.00208209	0.32577225	629.36348	0.6293648	4.44624701	0.8892494	10.6090323	2.1218085
30	2640.27491	0.0338156	3.33198922	0.79953664	10.5958028	0.10341926	9.69539738	2630.47555	629.36478	0	106	3	2.680	2630.59104	0.23445897	0.0560964	10.6583167	0.88819036	0.031263	0.00207796	0.32550567	629.36478	0.62936478	4.44115226	0.88823045	10.5958028	2.1191606
31	2640.286981	0.021443	3.33243903	0.78724441	10.5827061	0.10329143	9.68395299	2630.49974	629.370574	0	103	3	2.680	2630.54125	0.23419863	0.05603412	10.6464819	0.88720683	0.031263	0.00207529	0.32524764	629.370574	0.62937057	4.43622092	0.88724418	10.5827061	2.1165412
32	2640.225199	0.0092006	3.33287547	0.7752391	10.5697141	0.10316489	9.67208093	2630.44995	629.35865	0	100	3	2.680	2630.49151	0.23394671	0.05597384	10.6350298	0.88652428	0.031263	0.00207296	0.32499795	629.35865	0.62935865	4.431449	0.8862898	10.5697141	2.1139482
33	2640.09196	0.99708698	3.33262457	0.7633898	10.5560064	0.10303961	9.6604436	2630.32821	629.32853	0	97	3	2.680	2630.3278	0.23370301	0.05591553	10.623951	0.8855249	0.031263	0.00207029	0.32475641	629.32853	0.62932853	4.4286238	0.8853654	10.5560064	2.1113813
34	2639.888148	0.97459397	3.33239809	0.75189591	10.5432209	0.10291351	9.64813621	2630.2009	629.29816	0	94	3	2.679	2629.98051	0.23346732	0.05583915	10.6113236	0.88434841	0.0312								

4	2537.861198	9.41891398	3.34059982	9.18961856	9.936508	0.09698428	9.09263428	2528.67158	605.00727	0	16	2.576	2526.52339	0.22931343	0.05486529	0.42440044	0.86870036	0.031263	0.00203396	0.32040576	605.007269	0.60500727	0.43436847	0.86873694	9.936508	1.9873016
5	2535.61602	9.41300404	3.3405054	9.18367827	9.93000486	0.09692159	9.08675663	2526.42334	604.47151	0	16	2.574	2524.27511	0.22936182	0.05487687	0.42460045	0.86888371	0.031263	0.00203439	0.32045373	604.471511	0.60447151	0.43460148	0.8689203	9.93000486	1.986017
6	2533.361867	9.40710357	3.34040713	9.17779799	9.92372671	0.09689593	9.08093846	2524.18407	603.93359	0	15	2.571	2522.01811	0.22941238	0.05488896	0.42480026	0.86905722	0.031263	0.00203494	0.32050384	603.933592	0.60339359	0.43455906	0.86911181	9.92372671	1.9847653
7	2531.09048	9.4014423	3.34030509	9.17077725	9.91743289	0.09678191	9.07425715	2521.92707	603.39358	0	15	2.569	2519.75268	0.22946505	0.05489116	0.42312972	0.86921476	0.031263	0.00203531	0.32055005	603.393585	0.60339358	0.43465582	0.86911136	9.91743289	1.9834868
8	2528.827862	9.39573159	3.34019933	9.16621538	9.91020272	0.09673729	9.06947809	2519.66165	602.85156	0	15	2.567	2517.49712	0.22951082	0.05491467	0.42337867	0.86948222	0.031263	0.00203579	0.32061032	602.851562	0.60285156	0.43475947	0.86915883	9.91020272	1.9824005
9	2526.5486	9.39008841	3.34008991	9.16051177	9.90551277	0.09667709	9.06383468	2517.38809	602.35756	0	14	2.562	2515.19771	0.22957664	0.05492826	0.42363698	0.86969748	0.031263	0.00203631	0.32066664	602.357563	0.60230759	0.43486705	0.8697341	9.90505355	1.9810071
10	2524.261548	9.38450132	3.33997688	9.15485883	9.89893074	0.09661751	9.05824832	2515.10668	601.76175	0	14	2.560	2512.90873	0.22963549	0.05494234	0.4239045	0.86992042	0.031263	0.00203682	0.32072497	601.761746	0.60176175	0.434978524	0.86995705	9.89893074	1.9797861
11	2521.960681	9.37897329	3.33986032	9.14972706	9.88928762	0.09655853	9.05271843	2512.8177	601.24049	0	13	2.552	2510.61245	0.22969634	0.05495629	0.42418111	0.87015093	0.031263	0.00203768	0.32078528	601.240488	0.60124049	0.435093782	0.87018756	9.88928762	1.9785775
12	2519.665168	9.37350731	3.33974027	9.14374456	9.88690554	0.09650514	9.04724442	2510.52142	600.66468	0	13	2.557	2508.30913	0.22975915	0.05497193	0.42446667	0.87038889	0.031263	0.00203792	0.32084754	600.664682	0.60064682	0.43512768	0.87025524	9.88690554	1.9773811
13	2517.356272	9.36809196	3.33961679	9.13826805	9.88008396	0.09646424	9.04182751	2508.21817	600.13359	0	13	2.550	2506.09042	0.22982191	0.05498742	0.42476504	0.87056181	0.031263	0.00203849	0.32091172	600.133592	0.60013359	0.43519427	0.87037085	9.88008396	1.9760172
14	2515.040846	9.36273472	3.33948982	9.13284685	9.87512216	0.09638513	9.03646172	2505.908	599.56088	0	12	2.553	2503.68238	0.22989057	0.05500337	0.4250461	0.87080675	0.031263	0.00203908	0.32097779	599.560882	0.59956088	0.435461708	0.87029242	9.87512216	1.9742054
15	2512.718839	9.35743952	3.33935973	9.12748039	9.86931594	0.09632849	9.03151159	2503.59136	599.00660	0	12	2.550	2501.35944	0.22995912	0.05501977	0.42537572	0.87114643	0.031263	0.00203969	0.32104573	599.006602	0.59906602	0.43559156	0.8711831	9.86931594	1.9738639
16	2510.390593	9.35219763	3.33922627	9.1221681	9.86357549	0.09627433	9.02589568	2501.26842	598.45080	0	12	2.548	2499.03045	0.23002953	0.05503662	0.42569578	0.87141315	0.031263	0.00204032	0.32111552	598.450802	0.59845082	0.435742921	0.87144984	9.86357549	1.9727151
17	2508.056342	9.34701119	3.33909878	9.11609043	9.85788941	0.09621693	9.0206925	2498.39343	597.89359	0	11	2.546	2496.69562	0.23010177	0.0550539	0.42602417	0.87168681	0.031263	0.00204096	0.32118711	597.893587	0.59789359	0.435861754	0.87172351	9.85788941	1.9715779
18	2505.716314	9.34187961	3.33894972	9.1117038	9.85256069	0.09616189	9.01554181	2496.40461	597.33496	0	11	2.543	2494.35519	0.23017581	0.05508672	0.42634607	0.8719673	0.031263	0.00204161	0.32121605	597.334962	0.59733496	0.436002005	0.87200401	9.85256069	1.9704521
19	2503.270733	9.33680231	3.33881674	9.10655068	9.84688875	0.09610761	9.01043007	2494.25418	596.77499	0	11	2.541	2492.00927	0.23025163	0.05509876	0.42667054	0.87225453	0.031263	0.00204223	0.32133565	596.774992	0.59677499	0.436145526	0.87222125	9.84688875	1.9693378
20	2501.019814	9.33177872	3.33866068	9.10144951	9.84117299	0.09605377	9.00535794	2491.91836	596.21373	0	11	2.538	2489.65837	0.23032292	0.05510832	0.42705808	0.87254484	0.031263	0.00204297	0.32141253	596.213734	0.59621373	0.43629257	0.87258514	9.84117299	1.9682346
21	2498.663768	9.32680827	3.33851158	9.09639976	9.83571282	0.09600048	9.0039929	2489.56737	595.61234	0	10	2.536	2487.3024	0.23040851	0.05512729	0.4274186	0.87284883	0.031263	0.00204368	0.32149113	595.61237	0.59561234	0.43642791	0.87288558	9.83571282	1.9671426
22	2496.302021	9.32189042	3.33839591	9.0914009	9.83037067	0.09594772	9.00545318	2487.2114	594.52772	0	10	2.534	2484.94166	0.23048952	0.05514668	0.42778877	0.87315752	0.031263	0.0020444	0.32157143	594.527721	0.59508751	0.43659244	0.87319249	9.83037067	1.9660615
23	2493.937112	9.31702461	3.33820449	9.08645239	9.82456597	0.09589585	9.0055659	2484.8066	594.05855	0	10	2.531	2482.527634	0.23057221	0.05516646	0.42816279	0.87346899	0.031263	0.00204531	0.32165339	594.058552	0.59437112	0.43675284	0.87350577	9.82456597	1.9649914
24	2491.568095	9.31221028	3.33804659	9.08155372	9.8196015	0.0958438	9.00579097	2482.48534	593.95680	0	9	2.529	2480.20663	0.23065557	0.05518665	0.42854626	0.87378855	0.031263	0.00204588	0.32173699	593.956799	0.5939568	0.436921669	0.87382534	9.8196015	1.9639312
25	2489.192338	9.30744691	3.33785583	9.07670435	9.81421665	0.09579652	9.00091713	2480.11563	593.89883	0	9	2.527	2477.83272	0.23074256	0.05520722	0.42893177	0.87414131	0.031263	0.00204664	0.32182202	593.898825	0.5938825	0.43707556	0.87415111	9.81421665	1.9628833
26	2486.81627	9.30273396	3.33772226	9.07190379	9.80942559	0.09574195	9.07618613	2477.74172	592.82185	0	9	2.524	2475.45478	0.23083017	0.05522818	0.42933542	0.87446419	0.031263	0.00204742	0.32190055	592.821846	0.59282185	0.437241503	0.87448301	9.80922592	1.9616252
27	2484.430939	9.29807089	3.33755593	9.06715152	9.80400871	0.0956918	9.07149572	2475.36379	592.25290	0	8	2.522	2473.07299	0.23091937	0.05524952	0.42974093	0.8747841	0.031263	0.00204821	0.32199746	592.252903	0.59225293	0.437401469	0.87482094	9.80400871	1.9608175
28	2482.04445	9.29345718	3.33738687	9.06244704	9.79900057	0.09564215	9.06680488	2472.982	591.30034	0	8	2.519	2470.68752	0.23101014	0.05527124	0.43015358	0.87512798	0.031263	0.00204901	0.32208743	591.300341	0.59168304	0.437582414	0.87516483	9.79900057	1.9598001
29	2479.65427	9.28889232	3.33721513	9.05778895	9.79394887	0.095593	9.06219685	2470.59654	591.11230	0	8	2.517	2468.28854	0.2310247	0.05529333	0.43057329	0.87547774	0.031263	0.00204983	0.32217894	591.112296	0.5915123	0.4377573	0.87551446	9.79394887	1.958793
30	2477.260737	9.28417472	3.33704705	9.05317946	9.78897977	0.09554534	9.06150219	2468.54071	590.92476	0	7	2.514	2466.00266	0.2310981	0.05531962	0.43099996	0.87581271	0.031263	0.00205066	0.32227167	590.924737	0.59092667	0.437942551	0.87589797	9.78897977	1.9576269
31	2474.86384	9.27990708	3.33686376	9.04861338	9.78404474	0.09549816	9.05311122	2465.82152	590.73862	0	7	2.512	2463.51067	0.23112047	0.05533861	0.43145335	0.87619459	0.031263	0.00205151	0.32236649	590.738624	0.59091623	0.43811739	0.87623148	9.78404474	1.9568089
32	2472.463791	9.27548569	3.3366842	9.04409713	9.77915927	0.09544849	9.04864684	2463.41969	590.59317	0	7	2.510	2461.11209	0.23118856	0.05536178	0.43187383	0.87656153	0.031263	0.00205237	0.32242649	590.593172	0.58995172	0.438299218	0.87659844	9.77915927	1.9558319
33	2470.060743	9.27111113	3.33650212	9.03962424	9.77432284	0.09540129	9.04422295	2461.02112	588.22129	0	8	2.507	2458.71062	0.23114869	0.05538531	0.43232086	0.87693405	0.031263	0.00205324	0.32255996	588.221292	0.58882129	0.438485487	0.87679097	9.77432284	1.9548646
34	2467.654844	9.26678921	3.33631754	9.03519622	9.76953495	0.09535455	9.03984167	2458.61965	588.24762	0	7	2.505	2456.3064	0.23118669	0.05540918	0.43277108	0.87731208	0.031263	0.00205413	0.32265886	588.247618	0.58824672	0.438674511	0.87734902	9.76953495	1.953907
35	2465.246327	9.26250053	3.33613051	9.03081261	9.76479505	0.09530829	9.03550432	2456.21542	587.74917	0	7	2.502	2454.18956	0.23118791	0.05543334	0.43323467	0.87769556	0.031263	0.00205502	0.32275919	587.749168	0.58767149	0.438866256	0.87773251	9.76479505	1.952959
36	2462.835042	9.25728786	3.33594877	9.02610268	9.75942438	0.09526268	9.03071202	2454.12871	587.60808	0	7	2.500	2452.09126	0.23124094	0.05545796	0.43369123	0.87808048	0.031263	0.00205594	0.32286933						

6	2302.63752	0.95862902	3.1914525	8.81760635	9.53426037	0.09350818	8.7245817	2293.81915	548.81673	0	1	0	2.337	2291.51331	0.24102268	0.05766683	0.9566975	0.91305812	0.091263	0.00213782	0.33201116	548.816726	0.54881673	4.56548284	0.91309657	9.53426037	1.9068521
7	2300.23786	0.96555932	3.191576	8.81536722	9.5313926	0.09303455	8.72233267	2291.42249	548.33131	0	1	0	2.334	2289.11828	0.2411921	0.05770737	0.9643994	0.91369995	0.091263	0.00213932	0.33217908	548.243305	0.54824331	4.56869212	0.91373842	9.5313926	1.9063679
8	2297.840616	0.95451175	3.1886218	8.8134951	9.5294413	0.0930155	8.7203267	2291.42249	548.20701	0	1	0	2.332	2286.7249	0.24136224	0.05774807	0.97143447	0.91344447	0.091263	0.00214083	0.33237437	547.802724	0.54767027	4.57191485	0.91438287	9.5294413	1.9058883
9	2295.445039	0.95248007	3.1816579	8.81095299	9.5276625	0.09298796	8.71796503	2286.30402	547.09764	0	1	0	2.329	2284.3318	0.24153308	0.05778805	0.9798999	0.91499146	0.091263	0.00214235	0.33251703	547.087636	0.54709764	4.57512092	0.91520318	9.5276625	1.9054133
10	2293.051419	0.95042806	3.18286864	8.8087774	9.5247389	0.092965	8.71581244	2284.24237	546.52540	0	1	0	2.327	2281.94315	0.24170462	0.05782999	0.9876979	0.91564149	0.091263	0.00214387	0.33268705	546.525397	0.54652534	4.57840023	0.91568005	9.5247389	1.9040428
11	2290.658963	0.94849949	3.17970719	8.8062764	9.52273836	0.09294226	8.71368038	2281.85234	545.95365	0	1	0	2.325	2279.55482	0.24187685	0.0578712	0.9955274	0.91629395	0.091263	0.00214545	0.33285775	545.953561	0.54595356	4.58166267	0.91623253	9.52283964	1.9044768
12	2288.268501	0.94653813	3.17376709	8.8044836	9.52007621	0.09291974	8.71156862	2279.46401	545.38213	0	1	0	2.322	2277.16821	0.24204077	0.05791257	1.0033882	0.91694002	0.091263	0.00214693	0.33302914	545.382132	0.54538213	4.58493813	0.91608763	9.52007621	1.9040152
13	2286.879779	0.94459776	3.17373808	8.80234739	9.51779043	0.09289743	8.70947666	2277.0774	544.81114	0	1	0	2.320	2274.78334	0.24222337	0.05795411	1.011128	0.91760667	0.091263	0.00214847	0.3332012	544.81115	0.54481151	4.58826253	0.91764531	9.51779043	1.9035581
14	2285.409215	0.94304166	3.17155986	8.8003651	9.51526257	0.09287533	8.70724578	2274.92523	544.2051	0	1	0	2.317	2272.40022	0.24241765	0.0579958	1.01910206	0.91826689	0.091263	0.00215002	0.33337393	544.20513	0.54404051	4.59015275	0.91830555	9.51526257	1.9031053
15	2283.107624	0.94077911	3.1676795	8.7982065	9.51283841	0.09285344	8.70513507	2272.30942	543.790233	0	1	0	2.315	2270.18877	0.24257376	0.05801357	1.0271558	0.91892065	0.091263	0.00215157	0.33354713	543.670731	0.54367073	4.59484169	0.91836834	9.51283841	1.9026413
16	2278.742224	0.93800804	3.16465516	8.79615219	9.51106251	0.09283176	8.70320343	2269.92087	543.14051	0	1	0	2.312	2267.63931	0.24274822	0.05807968	1.03513192	0.91959493	0.091263	0.00215313	0.33372139	543.140512	0.54310057	4.59816827	0.9196365	9.51106251	1.9022125
17	2276.342629	0.93704182	3.16316151	8.79411732	9.50886226	0.09281029	8.70170303	2267.54851	542.53124	0	1	0	2.310	2265.26155	0.2429245	0.05812186	1.0431527	0.92026273	0.091263	0.00215469	0.33389611	542.531242	0.54253124	4.60150738	0.92030148	9.50886226	1.9017725
18	2273.962854	0.93520314	3.15858699	8.79210171	9.50668283	0.09278901	8.6993127	2265.17075	541.96234	0	1	0	2.308	2262.8856	0.24310143	0.05816419	1.0511961	0.92093301	0.091263	0.00215625	0.33407148	541.962342	0.54196234	4.60485893	0.92091719	9.50668283	1.9013366
19	2271.584914	0.93384117	3.15555162	8.79010515	9.5045624	0.09276794	8.69733271	2262.79481	541.39388	0	1	0	2.305	2260.51148	0.24327902	0.05820668	1.0592691	0.92160576	0.091263	0.00215784	0.33424749	541.393876	0.54313988	4.60822283	0.92164457	9.5045624	1.9009048
20	2269.208822	0.93158469	3.15254541	8.78812744	9.5023855	0.09274707	8.69538037	2260.42069	540.82385	0	1	0	2.303	2258.13921	0.24345726	0.05824973	1.0673716	0.92228096	0.091263	0.00215942	0.33442414	540.823822	0.54082585	4.61159899	0.92223198	9.5023855	1.9004771
21	2266.834593	0.92980451	3.14949388	8.78616837	9.50027625	0.09272639	8.69341482	2258.04842	540.25826	0	1	0	2.300	2255.7488	0.24363613	0.05829212	1.0757535	0.9229586	0.091263	0.002161	0.33460143	540.258261	0.54025822	4.61498731	0.92299746	9.50027625	1.9000535
22	2264.46224	0.92804341	3.1463052	8.78422776	9.49816893	0.09269561	8.69152585	2255.67801	539.61912	0	1	0	2.298	2253.40025	0.24381565	0.05833507	1.0836538	0.9236365	0.091263	0.0021626	0.33477936	539.619119	0.53969112	4.6183877	0.92367574	9.49816893	1.8996338
23	2262.091775	0.9263012	3.1432186	8.78230541	9.49609033	0.09267553	8.68961978	2253.30947	539.12442	0	1	0	2.295	2251.03359	0.2439958	0.05837817	1.0918532	0.9243211	0.091263	0.00216419	0.33495791	539.124424	0.53912442	4.6218009	0.92436002	9.49609033	1.8992181
24	2259.732211	0.92457769	3.1401214	8.78040111	9.49403127	0.09265553	8.68773558	2250.94281	538.55818	0	1	0	2.293	2248.66882	0.24417657	0.05842143	1.1000711	0.92500593	0.091263	0.0021658	0.33513708	538.558179	0.53855818	4.62522437	0.92504487	9.49403127	1.8988063
25	1	2257.35656	0.92287266	3.13710215	8.7785469	9.49191952	8.68586907	2248.57804	537.99239	0	1	0	2.291	2246.35096	0.24435797	0.05846483	1.1083174	0.92569312	0.091263	0.00216714	0.33531687	537.992388	0.53799239	4.62866407	0.92573209	9.49191952	1.8983983
26	2255.091813	0.92118594	3.1339112	8.77664595	9.4899709	0.09262519	8.68402055	2246.21519	537.42705	0	1	0	2.288	2243.94502	0.24453999	0.05850888	1.1165919	0.92638265	0.091263	0.00216902	0.33549727	537.427053	0.53742705	4.6321083	0.92642166	9.4899709	1.8979942
27	2252.629041	0.91951732	3.13073932	8.77479469	9.48796918	0.09260636	8.68218833	2244.85425	536.86218	0	1	0	2.286	2241.58601	0.24472263	0.05855208	1.1248943	0.92707452	0.091263	0.00217064	0.33567899	536.862177	0.53686218	4.63556778	0.92711356	9.48796918	1.8975938
28	2250.268196	0.91786662	3.12767676	8.77266075	9.48598961	0.09258701	8.68037375	2244.49524	536.29776	0	1	0	2.283	2239.22893	0.24490587	0.05859592	1.1332244	0.9277687	0.091263	0.00217227	0.33586291	536.297763	0.53629776	4.63903882	0.92787706	9.48598961	1.8971972
29	2247.909308	0.91621365	3.1245344	8.77114393	9.4840217	0.09256783	8.6785761	2239.13816	535.73381	0	1	0	2.281	2236.87381	0.24508972	0.05863991	1.1415821	0.92846518	0.091263	0.0021739	0.33602413	535.733808	0.53573808	4.64252135	0.92850427	9.4840217	1.8968403
30	2245.552387	0.91461823	3.1213939	8.7693405	9.48207554	0.09254884	8.67679521	2236.78304	535.17031	0	1	0	2.279	2234.52065	0.24527418	0.05868404	1.1496972	0.92916193	0.091263	0.00217553	0.33622494	535.170329	0.53517033	4.64601529	0.92920306	9.48207554	1.8964151
31	2243.197443	0.913010216	3.1181246	8.76756093	9.4801475	0.09253002	8.67503092	2234.42988	534.60731	0	1	0	2.276	2232.16945	0.24545923	0.05872831	1.1583795	0.92986496	0.091263	0.00217717	0.33640835	534.607313	0.53460731	4.64949205	0.92930411	9.4801475	1.8960295
32	2240.844485	0.91142792	3.1150909	8.7657974	9.47832944	0.09251137	8.67329744	2232.30477	534.04172	0	1	0	2.273	2230.02117	0.24564382	0.05877182	1.1668188	0.93052732	0.091263	0.00217882	0.33659215	534.041722	0.53404485	4.65297492	0.92939473	9.47832944	1.8956413
33	2238.493523	0.90987538	3.1119286	8.76404427	9.47634502	0.09249291	8.67152248	2230.72948	533.48270	0	1	0	2.271	2227.47301	0.24583111	0.05881729	1.1752848	0.93127374	0.091263	0.00218007	0.33677694	533.482703	0.53348722	4.65656474	0.93112395	9.47634502	1.8952629
34	2236.144566	0.9083283	3.1087592	8.76231038	9.4744702	0.09247461	8.66983577	2227.38226	532.92111	0	1	0	2.269	2225.12779	0.24601793	0.05886199	1.1837776	0.93198146	0.091263	0.00218213	0.3369621	532.921116	0.53292116	4.66010352	0.9320207	9.4744702	1.894894
35	2233.797621	0.90679787	3.1055829	8.76059254	9.47261275	0.09245648	8.66813606	2225.03703	532.35999	0	1	0	2.267	2222.78456	0.24620533	0.05890682	1.1922967	0.93276139	0.091263	0.00218379	0.33714784	532.359991	0.53259991	4.66365332	0.93270366	9.47261275	1.8945225
36	2231.452698	0.9052839	3.1023997	8.75889059	9.47077427	0.09243851	8.66645208	2222.63391	531.79325	0	1	0	2.264	2220.44325	0.24639331	0.05895811	1.2008422	0.93340531	0.091263	0.00218546	0.33734315	531.793253	0.53179933	4.66721407	0.93342881	9.47077427	1.8941545
37	2229.109805	0.90378623	3.0992906	8.75720437	9.4689492	0.09242072	8.66478365	2220.3526	531.22930	0	1	0	2.262	2218.10416	0.24658186	0.05899991	1.2094317	0.93411781	0.091263	0.00218713	0.33752103	531.229305	0.5312932	4.6707857	0.93415714	9.4689492	1.8937898
38	2226.768048	0.90227616	3.0969823	8.7555317	9.46706823	0.09240291	8.66301307	2218.04274	530.66718	0	1	0	2.260	2216.26509	0.24677049	0.05904687	1.2180111	0.9348									

8	4325.462754	8.9265806	3.56128317	8.78961049	9.50308914	0.09276272	8.69684777	4316.67314	1032.80262	6	690	18	4.397	4330.54176	0.13697047	0.03277141	6.22656763	0.51888064	0.0931263	0.0012149	0.22888187	1032.80262	1.03280262	2.59451242	0.51890248	9.50308914	1.9007978
9	4329.238611	8.92572964	3.5625474	8.78915327	9.50349475	0.0927579	8.69639537	4320.44946	1036.09827	6	672	18	4.411	4343.82075	0.13567637	0.03267712	6.20865242	0.5173877	0.0931263	0.0012014	0.2289127	1036.09872	1.03609872	2.58074073	0.51740949	9.50349475	1.9006989
10	4352.517149	8.93488664	3.56377811	8.78888624	9.50299193	0.09275299	8.69539255	4343.78475	1039.27585	6	654	17	4.425	4356.61573	0.1361984	0.03258669	6.19347051	0.5159585	0.0931263	0.0012005	0.22811665	1039.27585	1.03927585	2.57988785	0.51597757	9.50299193	1.9006989
11	4365.311662	8.9340519	3.56409484	8.78821597	9.50248138	0.092749	8.69546747	4356.52345	1042.33716	6	637	17	4.438	4368.39942	0.13683593	0.03249996	6.17490253	0.51458271	0.0931263	0.0012084	0.2277574	1042.33716	1.04233716	2.57302188	0.51460438	9.50248138	1.9004963
12	4377.635093	8.93223256	3.56608644	8.78773699	9.50196337	0.09274295	8.69490044	4368.34874	1045.28577	6	620	16	4.451	4380.80505	0.13584837	0.0324168	6.15919258	0.51326605	0.0931263	0.0012015	0.22741922	1045.28577	1.04528577	2.5664383	0.51328766	9.50196337	1.9003927
13	4389.500039	8.92240696	3.56714736	8.78725181	9.50143867	0.09273783	8.69451398	4380.71279	1048.12468	6	604	16	4.463	4392.22425	0.13515515	0.03233708	6.1440447	0.51230607	0.0931263	0.0011988	0.22708265	1048.12468	1.04812468	2.56012641	0.51202528	9.50143867	1.9002878
14	4400.918768	8.91259663	3.56821999	8.7867609	9.50009794	0.09273265	8.69402825	4392.13201	1050.85863	6	588	16	4.474	4403.20919	0.13483574	0.03226066	6.12952446	0.51079371	0.0931263	0.0011957	0.22676607	1050.85863	1.05085863	2.55407606	0.51081521	9.50009794	1.9001816
15	4411.90322	8.92079432	3.56922466	8.7862647	9.50037142	0.09272741	8.69353729	4403.11696	1053.85457	6	572	15	4.485	4413.77148	0.13452462	0.03218741	6.11560861	0.50963405	0.0931263	0.0011923	0.22646267	1053.85457	1.05348057	2.54827795	0.50965551	9.50037142	1.9000716
16	4422.465021	8.91999996	3.57038067	8.78578565	9.49982965	0.09272122	8.69304153	4413.67926	1056.81220	6	557	15	4.496	4424.35245	0.13423631	0.03211724	6.10227908	0.50852129	0.0931263	0.0011895	0.22617566	1056.81220	1.0561022	2.54272162	0.50864442	9.49982965	1.9009654
17	4432.615487	8.91921344	3.57111633	8.78525815	9.49949836	0.09271679	8.69254136	4426.095234	1059.84091	6	542	14	4.508	4435.77309	0.13395334	0.03205001	6.08952324	0.50745853	0.0931263	0.0011861	0.22589149	1059.84091	1.05844091	2.53739048	0.50747499	9.49949836	1.9008949
18	4442.36536	8.91843485	3.57200653	8.78474858	9.49873207	0.09271141	8.69157717	4433.58089	1060.77384	6	528	14	4.517	4447.03416	0.13368627	0.03198563	6.07277056	0.50634921	0.0931263	0.0011857	0.22561628	1060.77384	1.06077384	2.53230269	0.50646054	9.49873207	1.9007965
19	4451.726195	8.91766397	3.57285892	8.7842353	9.49817707	0.09270599	8.6915293	4442.94196	1063.01356	6	514	14	4.526	4452.01608	0.13342867	0.031924	6.06556032	0.50546336	0.0931263	0.0011849	0.22537149	1063.01356	1.06301356	2.52723221	0.50548464	9.49817707	1.9006354
20	4460.706705	8.91600779	3.57367726	8.78371865	9.49748184	0.09270054	8.69101811	4451.92389	1065.16257	6	500	13	4.535	4460.62901	0.13318214	0.03186502	6.05435317	0.50452943	0.0931263	0.0011813	0.22512714	1065.16257	1.06516257	2.52275337	0.50455067	9.49748184	1.9005237
21	4469.320033	8.91614525	3.5744617	8.78319807	9.49705651	0.09269506	8.69053091	4460.53683	1067.22329	6	487	13	4.544	4468.88287	0.13294629	0.03180869	6.04363151	0.50363596	0.0931263	0.0011791	0.22489338	1067.22329	1.06722329	2.51928582	0.50365716	9.49705651	1.8994113
22	4477.573734	8.91537299	3.5752133	8.78245765	9.49664914	0.09268954	8.689987	4468.7907	1069.19810	6	474	13	4.552	4476.76728	0.13272074	0.03173084	6.03337846	0.50278154	0.0931263	0.0011772	0.22466884	1069.19810	1.06919810	2.51401354	0.50280271	9.49664914	1.8992868
23	4485.477264	8.91456884	3.57593303	8.78151569	9.49592412	0.092684	8.68946759	4476.59511	1071.08930	6	462	12	4.560	4484.35162	0.13250515	0.03170309	6.023257789	0.50196482	0.0931263	0.0011759	0.22445616	1071.08930	1.07108930	2.50928298	0.50198596	9.49592412	1.8991848
24	4493.040183	8.91392385	3.57662187	8.78162467	9.4953247	0.09267874	8.68894623	4484.25946	1072.89914	6	450	12	4.568	4491.58501	0.13229918	0.03165376	6.01421437	0.50118453	0.0931263	0.0011747	0.22425201	1072.89914	1.07289914	2.50620816	0.50120563	9.4953247	1.8990709
25	4500.273961	8.91319824	3.57728074	8.78109575	9.49482326	0.09267286	8.68842289	4491.49287	1074.62980	6	438	12	4.576	4498.49636	0.13210249	0.0316067	6.00527308	0.50043942	0.0931263	0.0011737	0.22405707	1074.62980	1.07462980	2.50320247	0.50046049	9.49482326	1.8989565
26	4507.184788	8.91247996	3.57791055	8.78055618	9.49420367	0.09266726	8.68789792	4498.40422	1076.28340	6	426	11	4.589	4505.09432	0.13192448	0.03156179	5.99673985	0.49972832	0.0931263	0.0011680	0.22387102	1076.28340	1.07628340	2.4987681	0.49973936	9.49420367	1.8988267
27	4513.78218	8.91176894	3.57860334	8.77903312	9.49363345	0.09266165	8.68737155	4505.00218	1077.86202	6	415	11	4.589	4511.3873	0.13173574	0.03151895	5.9886011	0.49905009	0.0931263	0.0011664	0.22369357	1077.86202	1.07786202	2.49535552	0.4990711	9.49363345	1.8987267
28	4520.074677	8.91106513	3.57908639	8.77950003	9.49305695	0.09265602	8.68684041	4511.29518	1079.36768	6	404	11	4.596	4517.38352	0.13151561	0.03147813	5.98084379	0.49840465	0.0931263	0.0011696	0.22354444	1079.36768	1.07936768	2.49212317	0.49842463	9.49305695	1.8986114
29	4526.070065	8.91034685	3.57963406	8.77895588	9.49247939	0.09265038	8.6863155	4517.2914	1080.80233	6	393	10	4.602	4523.09095	0.13140257	0.03143924	5.97345538	0.49777895	0.0931263	0.00116551	0.22336336	1080.80233	1.08080233	2.4890454	0.49780891	9.49247939	1.8984959
30	4531.77727	8.90967886	3.58015597	8.77843097	9.491921	0.09264474	8.68578623	4522.99884	1082.16788	6	380	10	4.608	4528.1738	0.13124789	0.03140223	5.96642391	0.49702199	0.0931263	0.00116164	0.22321005	1082.16788	1.08216788	2.48611463	0.49722293	9.491921	1.8983802
31	4537.203163	8.90892685	3.58065285	8.77789547	9.49132197	0.09263909	8.68525638	4528.42527	1083.66912	6	373	10	4.613	4533.67036	0.13110081	0.03136704	5.95973782	0.49664482	0.0931263	0.00116284	0.22306428	1083.66912	1.08366912	2.48332865	0.49665733	9.49132197	1.8982844
32	4542.355612	8.90832066	3.58112544	8.77735957	9.49074252	0.09263343	8.68472614	4533.75535	1084.69601	6	363	10	4.618	4538.55726	0.13096109	0.03133661	5.95338605	0.4961155	0.0931263	0.0011616	0.22292579	1084.69601	1.08469601	2.48068196	0.49613639	9.49074252	1.8981645
33	4547.241985	8.90765193	3.58157445	8.77682435	9.49016283	0.09262777	8.68419598	4538.46516	1085.86834	6	353	9	4.623	4543.18526	0.13082488	0.03130188	5.94717954	0.49561316	0.0931263	0.00116042	0.22279436	1085.86834	1.08586834	2.47817015	0.49564303	9.49016283	1.8980336
34	4551.869454	8.90698757	3.58200457	8.77623727	9.48959154	0.09262213	8.68367133	4543.18526	1087.04061	6	342	9	4.624	4548.15454	0.13069718	0.03127131	5.94161423	0.49513094	0.0931263	0.00115921	0.22266077	1087.04061	1.08704061	2.47537894	0.49515108	9.48959154	1.8979083
35	4556.250042	8.90633492	3.58240044	8.77575118	9.48903641	0.09261646	8.68314273	4547.46925	1088.02265	6	335	9	4.633	4551.69229	0.13058374	0.03124333	5.93623222	0.49468602	0.0931263	0.00115825	0.22255179	1088.02265	1.08802265	2.47353424	0.49470685	9.48903641	1.8978007
36	4560.375425	8.90586552	3.58278672	8.77525134	9.48842041	0.0926108	8.68265044	4551.60021	1089.01102	6	326	9	4.637	4555.58474	0.13047118	0.0312164	5.9311153	0.49425961	0.0931263	0.0011575	0.22240203	1089.01102	1.08901102	2.4714021	0.49428042	9.48842041	1.8976848
37	4564.267342	8.90504477	3.58314802	8.77467898	9.48784503	0.09260515	8.68207473	4555.49266	1090.94232	6	317	8	4.641	4559.24512	0.13036489	0.03119097	5.9262834	0.49385695	0.0931263	0.00115623	0.22223488	1090.94232	1.09094232	2.46938872	0.49387774	9.48842041	1.8975659
38	4569.927194	8.90440961	3.58348894	8.77414493	9.48726661	0.0925995	8.68154543	4559.15305	1092.83180	6	309	8	4.644	4562.67971	0.13026468	0.03116699	5.92127276	0.49347731	0.0931263	0.00115542	0.22213556	1092.83180	1.09283180	2.46749046	0.49349809	9.48726661	1.8974533
39	4571.361253	8.9037809	3.58389106	8.77361033	9.48668868	0.09259386	8.6810577	4562.3874	1094.61936	6	301	8	4.648	4565.89461	0.13017036	0.03114422	5.91743994	0.49312	0.0931263	0.00115458	0.22204207	1094.61936	1.09461936	2.46570379	0.49314076	9.48668868	1.8973378
40	4574.754525	8.																									

10	4504.392006	8.87377435	3.57936649	8.74230049	9.452834	0.09226343	8.65003707	4495.64971	1075.62436	0	50	1	4.580	4492.38939	0.13147386	0.0314563	5.9766606	0.49805801	0.031263	0.00116615	0.22343401
11	4501.039425	8.87347108	3.57908934	8.741951	9.45241279	0.09259396	8.64965574	4498.29751	1074.82232	0	49	1	4.576	4489.0057	0.13155598	0.03147994	5.98042916	0.4983691	0.031263	0.00116687	0.2235154
12	4497.655352	8.87317114	3.57889012	8.74153208	9.45200314	0.09225532	8.64927676	4488.91382	1074.01274	0	47	1	4.573	4485.59147	0.13163907	0.03149582	5.98420634	0.49868886	0.031263	0.00116761	0.22359776
13	4494.240743	8.8727452	3.5785259	8.74115141	9.45159153	0.0922513	8.64900011	4485.40959	1073.19585	0	46	1	4.569	4482.14763	0.13172731	0.03151593	5.98802664	0.49900222	0.031263	0.00116804	0.22368105
14	4490.79653	8.87258116	3.57823977	8.74077309	9.45118246	0.09224731	8.64852578	4482.05576	1072.37189	0	45	1	4.566	4478.57509	0.13180807	0.03153626	5.9918981	0.49934049	0.031263	0.00116911	0.22376526
15	4487.323616	8.87229104	3.57795079	8.7403971	9.45077591	0.09224334	8.64815376	4478.58322	1071.54105	0	44	1	4.562	4475.17473	0.13189394	0.0315568	5.9957928	0.4996494	0.031263	0.00116987	0.22385037
16	4483.822885	8.87200413	3.57765904	8.74002343	9.45037187	0.09223934	8.64778403	4475.08286	1070.70366	0	42	1	4.559	4471.64741	0.1319807	0.03157756	5.9997385	0.49997807	0.031263	0.00117064	0.22393636
17	4480.295193	8.8717204	3.57736646	8.73965207	9.44997033	0.09223548	8.64741659	4471.55554	1069.85962	0	41	1	4.555	4468.09396	0.13206833	0.03159853	6.00372037	0.50031003	0.031263	0.00117142	0.22402321
18	4476.741377	8.8714398	3.57706752	8.73932899	9.44957126	0.09223158	8.64705141	4468.03029	1069.02942	0	40	1	4.552	4464.54152	0.13215681	0.03161974	6.00774251	0.50064521	0.031263	0.0011722	0.22410971
19	4473.162248	8.87116212	3.57676788	8.73891612	9.44917465	0.09222771	8.64668489	4464.42313	1068.15317	0	39	1	4.548	4460.91139	0.13224412	0.03164107	6.01180244	0.50098154	0.031263	0.00117378	0.22419984
20	4469.5586	8.87108791	3.57646575	8.73855167	9.44877805	0.09222386	8.64632781	4460.82005	1067.29105	0	38	1	4.544	4457.28487	0.13233624	0.03166263	6.01589935	0.50132495	0.031263	0.00117522	0.22428875
21	4465.931201	8.87061656	3.57616117	8.73818939	9.44838878	0.09222004	8.64596935	4457.19301	1066.42325	0	37	1	4.541	4453.63483	0.13242716	0.03168438	6.02003247	0.50166937	0.031263	0.00117746	0.22437886
22	4462.280801	8.87034821	3.57585423	8.73782936	9.44799947	0.09221624	8.64561311	4453.54297	1065.54995	0	36	1	4.537	4449.96252	0.13251886	0.03170632	6.02420102	0.50201675	0.031263	0.00117542	0.22446975
23	4458.608131	8.87008286	3.57554497	8.73747154	9.44761258	0.09221246	8.64525907	4449.87066	1064.67131	0	35	1	4.533	4446.26864	0.13261132	0.03172844	6.02840427	0.50236702	0.031263	0.00117624	0.22456139
24	4454.9139	8.86982046	3.57523246	8.73711593	9.44722807	0.09220871	8.64490722	4446.17678	1063.78752	0	34	1	4.529	4442.53889	0.13270453	0.03175074	6.03264147	0.50272012	0.031263	0.00117705	0.22465377
25	4451.198801	8.86956059	3.57493976	8.73676552	9.44684593	0.09220498	8.64455754	4442.46204	1062.89874	0	33	1	4.526	4438.81898	0.13279847	0.03177322	6.03691194	0.50307076	0.031263	0.00117795	0.22474688
26	4447.463506	8.86934042	3.57460391	8.73641129	9.44646615	0.09220127	8.64421001	4438.72709	1062.00512	0	32	1	4.522	4435.06446	0.13289313	0.03179587	6.04121498	0.50343458	0.031263	0.00117873	0.22484069
27	4443.708671	8.86905071	3.57428598	8.73606871	9.44608871	0.09219759	8.64386463	4434.97261	1061.10682	0	31	1	4.518	4431.29107	0.13298849	0.03181868	6.04554992	0.50379583	0.031263	0.00117958	0.22493521
28	4439.934032	8.86879984	3.57396602	8.73571533	9.44571306	0.09219393	8.64352137	4431.19922	1060.20401	0	30	1	4.514	4427.49939	0.13308453	0.03184166	6.04991611	0.50415958	0.031263	0.00118043	0.22503034
29	4436.142911	8.86855178	3.57364407	8.73537052	9.44534348	0.09219029	8.64318023	4427.40754	1059.29681	0	29	1	4.510	4423.69003	0.13318125	0.0318648	6.05431291	0.50452608	0.031263	0.00118129	0.22512626
30	4432.332112	8.86830635	3.57332019	8.73502786	9.44497029	0.09218667	8.64284119	4423.59818	1058.38539	0	28	1	4.506	4419.86358	0.13327863	0.0318881	6.0587397	0.50489498	0.031263	0.00118215	0.22522278
31	4428.506423	8.86806397	3.57299444	8.73468731	9.44460206	0.09218308	8.64250423	4419.71774	1057.46988	0	27	1	4.502	4416.02061	0.13337666	0.03191556	6.06319589	0.50526632	0.031263	0.00118302	0.22531994
32	4424.663117	8.86782417	3.57266684	8.73434885	9.44423609	0.09217951	8.64216934	4415.92877	1056.55041	0	26	1	4.499	4412.16168	0.13347532	0.03193516	6.06768087	0.50564007	0.031263	0.00118389	0.22541772
33	4420.803849	8.86758706	3.57233746	8.73401246	9.44387236	0.09217596	8.6418365	4412.06984	1055.62713	0	25	1	4.495	4408.28733	0.1335746	0.03195892	6.07219409	0.50601617	0.031263	0.00118478	0.22551612
34	4416.929163	8.86735262	3.57200634	8.73367814	9.44351086	0.09217243	8.64150571	4408.19548	1054.70016	0	24	1	4.491	4404.39808	0.13367449	0.03198282	6.07673498	0.50639458	0.031263	0.00118567	0.22561512
35	4413.039586	8.86712083	3.57167352	8.73334586	9.44315518	0.09216892	8.64117693	4404.30624	1053.76962	0	23	1	4.487	4400.44946	0.13377497	0.03200686	6.08130299	0.50677525	0.031263	0.00118656	0.22571472
36	4409.135632	8.86689512	3.57134049	8.73301254	9.44280949	0.09216544	8.64085017	4400.40362	1052.83954	0	22	1	4.483	4396.50792	0.13387549	0.03202982	6.08587617	0.50715813	0.031263	0.00118745	0.22581497
37	4405.217801	8.86666506	3.57100925	8.73268377	9.44247958	0.09216197	8.6405254	4396.43624	1051.89835	0	21	1	4.479	4392.56605	0.13397769	0.03205356	6.09051833	0.50754319	0.031263	0.00118835	0.22591564
38	4401.28658	8.86644104	3.57066529	8.73236114	9.44208863	0.09215853	8.64020261	4392.55422	1050.95784	0	20	1	4.475	4388.70224	0.13407799	0.03207981	6.09516458	0.50793038	0.031263	0.00118926	0.22601694
39	4397.342441	8.86621955	3.5703261	8.73203689	9.44173622	0.09215511	8.63988178	4388.6104	1050.01425	0	19	1	4.471	4384.74596	0.13418266	0.0321044	6.09983595	0.50831966	0.031263	0.00119017	0.22611879
40	4393.38846	8.86600577	3.56998541	8.73171461	9.44138775	0.09215171	8.6395629	4384.65413	1049.06768	0	18	1	4.467	4380.77768	0.13428596	0.03212912	6.10453193	0.50871099	0.031263	0.00119109	0.22621261
41	4389.417244	8.86578407	3.56966426	8.73139428	9.44103161	0.09214833	8.63924595	4380.58855	1048.11823	0	17	1	4.463	4376.79783	0.13438979	0.03215396	6.10925206	0.50910434	0.031263	0.00119201	0.22631408
42	4385.437072	8.86556197	3.56934097	8.73107412	9.44067912	0.09214494	8.63893022	4376.736	1047.16601	0	16	1	4.459	4372.80682	0.13449414	0.03217892	6.11397580	0.50949829	0.031263	0.00119292	0.22641749
43	4381.457573	8.86535843	3.56899545	8.73075943	9.44033549	0.09214163	8.6386178	4372.71499	1046.21113	0	15	1	4.455	4368.80508	0.13459901	0.03220402	6.11876296	0.50989061	0.031263	0.00119387	0.22653144
44	4377.443702	8.86514924	3.56868085	8.73044487	9.44001481	0.09213831	8.63830656	4368.71326	1045.25368	0	14	1	4.450	4364.79301	0.13470438	0.03222923	6.12355286	0.51029607	0.031263	0.0011948	0.22663538
45	4373.431321	8.86494244	3.56836084	8.73012122	9.43967762	0.09213501	8.6379972	4364.70119	1044.29376	0	13	1	4.446	4360.77101	0.13481024	0.03225455	6.12836516	0.5106971	0.031263	0.00119574	0.22674038
46	4369.40903	8.86473799	3.56805195	8.72982141	9.43934068	0.09213173	8.6376899	4360.67918	1043.33146	0	12	1	4.442	4356.73944	0.13491658	0.03228	6.13319946	0.51109995	0.031263	0.00119668	0.22684642
47	4365.377128	8.86453249	3.56773289	8.72951840	9.43900665	0.09212847	8.63738402	4356.64762	1042.36607	0	11	1	4.438	4352.69866	0.13502384	0.03230617	6.1380531	0.51150451	0.031263	0.0011976	0.22695307
48	4361.336067	8.86433609	3.56742105	8.72920541	9.43867461	0.09212523	8.63708018	4352.60686	1041.40038	0	10	1	4.434	4348.6491	0.13513068	0.03233122	6.14293245	0.5119104	0.031263	0.00119858	0.2270584
49	4357.286182	8.86413858	3.56685759	8.72890016	9.43834455	0.092122	8.63677815	4348.55728	1040.43118	0	9	1	4.430	4344.59105	0.13523843	0.032357	6.14783038	0.5123192	0.031263	0.00119954	0.22716519
50	4353.227823	8.86394334	3.5665042	8.72859672	9.43801646	0.0921188	8.63647792	4344.49923	1039.46026	0	8	1	4.426	4340.52486	0.13534662	0.03238289	6.15274876	0.51272906	0.031263	0.00120055	0.22727242
51	4349.161334	8.86375035	3.56614937	8.72829509	9.43769031	0.09211562	8.63617947	4340.43034	1038.48739	0	7	1	4.422	4336.45087	0.13545526	0.03240888	6.15768725	0.51311406	0.031263	0.00120146	0.2273801

12	4111.638321	8.85580578	3.54473196	8.7136096	9.42181125	0.09196063	8.62164897	4102.92471	981.66140	0	4	0	4.180	4098.84033	0.14219618	0.03402171	6.46412415	0.53867701	0.091263	0.0012625	0.23406123
13	4107.461982	8.85571019	3.5443435	8.7133883	9.42157202	0.0919583	8.62143005	4098.74859	980.66222	0	4	0	4.175	4094.66595	0.14232185	0.03405177	6.46983689	0.53913507	0.091263	0.00126237	0.23418578
14	4103.287379	8.85561583	3.54395479	8.71316812	9.42153388	0.09195997	8.62121214	4098.57421	979.66346	0	3	0	4.171	4090.49356	0.14234772	0.03408189	6.47555888	0.53962991	0.091263	0.00126348	0.23431054
15	4099.114575	8.85552268	3.54356584	8.71294889	9.42109684	0.09195236	8.62099523	4090.40163	978.66114	0	3	0	4.167	4086.32264	0.14257379	0.03411205	6.48123903	0.54010775	0.091263	0.00126456	0.23443549
16	4094.943635	8.85543072	3.54317665	8.71273066	9.42080687	0.09195136	8.62077793	4086.23039	977.66725	0	3	0	4.163	4082.15384	0.14270006	0.03414226	6.48703032	0.54058586	0.091263	0.00126572	0.23456064
17	4090.774618	8.85533994	3.54278724	8.71251341	9.42062597	0.09194906	8.62056435	4082.0621	976.66983	0	3	0	4.158	4077.98702	0.14282653	0.03417252	6.49277796	0.54106497	0.091263	0.00126684	0.23468599
18	4086.607586	8.85525034	3.54239761	8.71229714	9.42039212	0.09194678	8.62035036	4077.89529	975.67288	0	3	0	4.154	4073.82224	0.1429532	0.03420283	6.49853784	0.54154842	0.091263	0.00126797	0.23481514
19	4082.442595	8.85516189	3.54200776	8.71208183	9.42015931	0.09194451	8.62013732	4073.70514	974.67642	0	3	0	4.150	4069.65956	0.14308007	0.03423318	6.50403496	0.54202541	0.091263	0.00126909	0.23493728
20	4078.277702	8.85504939	3.5416177	8.71186747	9.41992752	0.09194225	8.61992522	4069.56783	973.68047	0	3	0	4.146	4065.49904	0.14320712	0.03426358	6.51008086	0.54250674	0.091263	0.00127022	0.23506321
21	4074.118962	8.85494884	3.54122741	8.71165406	9.41969677	0.09193999	8.61971406	4065.40731	972.68502	0	3	0	4.142	4061.34071	0.14333437	0.03429403	6.51519855	0.5429888	0.091263	0.00127132	0.23518933
22	4069.960428	8.85490339	3.54083697	8.71144158	9.41946702	0.09193775	8.61950383	4061.24899	971.69011	0	3	0	4.137	4057.18465	0.14346181	0.03432452	6.5215689	0.54347158	0.091263	0.00127248	0.23531564
23	4065.804151	8.85481946	3.54044631	8.71123002	9.41923827	0.09193552	8.6192945	4057.09292	970.69573	0	3	0	4.133	4053.03089	0.14358944	0.03435506	6.52746087	0.54395507	0.091263	0.00127361	0.23544214
24	4061.650181	8.85473664	3.54005546	8.71101937	9.4190105	0.0919333	8.61908608	4052.93916	969.70173	0	3	0	4.129	4048.87948	0.14371726	0.03438564	6.53327138	0.54439328	0.091263	0.00127474	0.23556882
25	4057.498567	8.8546549	3.53966443	8.71080963	9.41878731	0.09193108	8.61887855	4048.78776	968.70865	0	3	0	4.125	4044.73048	0.14384527	0.03441627	6.53909039	0.54492442	0.091263	0.00127588	0.23569569
26	4053.349557	8.85457424	3.53927222	8.71060078	9.41855789	0.09192888	8.6186719	4044.63876	967.71596	0	2	0	4.120	4040.58392	0.14397346	0.03444694	6.54491783	0.54549082	0.091263	0.00127702	0.23582274
27	4049.202597	8.85449465	3.53888184	8.71039281	9.41833302	0.09192658	8.61846613	4040.49322	966.72386	0	2	0	4.116	4036.43986	0.14410183	0.03447765	6.55057564	0.54598614	0.091263	0.00127815	0.23594908
28	4045.05833	8.85441611	3.53849028	8.71018572	9.41810909	0.0919245	8.61826122	4036.34814	965.73236	0	2	0	4.112	4032.29834	0.14423039	0.03450841	6.55659777	0.54638315	0.091263	0.00127929	0.23607774
29	4040.9166	8.85433862	3.53809857	8.70997949	9.4178861	0.09192232	8.61805717	4032.20662	964.74146	0	2	0	4.108	4028.15939	0.14435913	0.03453921	6.56245017	0.54687085	0.091263	0.00128044	0.23620499
30	4036.777449	8.85426216	3.53770669	8.70977411	9.41766403	0.09192015	8.61785396	4028.06768	963.75118	0	2	0	4.103	4024.02306	0.14448805	0.03457006	6.56831078	0.54735923	0.091263	0.00128158	0.23633277
31	4032.640919	8.85418673	3.53731465	8.70956568	9.41744288	0.091918	8.61765158	4023.93135	962.76153	0	2	0	4.099	4019.8894	0.14461715	0.03460094	6.57417954	0.54784843	0.091263	0.00128272	0.23646073
32	4028.507048	8.85411231	3.53692247	8.70936588	9.4172262	0.09191585	8.61745004	4019.79768	961.77251	0	2	0	4.095	4015.75842	0.14474643	0.03463188	6.58005642	0.54833803	0.091263	0.00128387	0.23658886
33	4024.375875	8.85403889	3.53655013	8.70916301	9.41700326	0.0919137	8.61724931	4015.66671	960.78414	0	2	0	4.091	4011.63019	0.14487588	0.03466285	6.58594135	0.54882845	0.091263	0.00128502	0.23671716
34	4020.247437	8.85396647	3.53613765	8.70896066	9.41678479	0.09191157	8.61704938	4011.53848	959.79642	0	2	0	4.087	4007.50472	0.14500551	0.03469386	6.5918343	0.54931952	0.091263	0.00128617	0.23684565
35	4016.121772	8.85389503	3.53574504	8.70875971	9.41656731	0.09190945	8.61685026	4007.41301	958.80937	0	2	0	4.082	4003.38206	0.14513532	0.03472492	6.59773521	0.54981127	0.091263	0.00128732	0.23697473
36	4011.998913	8.85382456	3.53535258	8.70855926	9.41635044	0.09190733	8.61665193	4003.29035	957.82299	0	2	0	4.078	3999.26224	0.1452653	0.03475602	6.60364404	0.55030367	0.091263	0.00128847	0.23710313
37	4007.87895	8.85375506	3.53495954	8.7083596	9.41613545	0.09190523	8.61645438	3999.17033	956.83728	0	2	0	4.074	3995.1453	0.14539546	0.03478716	6.60956074	0.55079763	0.091263	0.00128963	0.23723123
38	4003.76175	8.85368579	3.53456939	8.70816072	9.41592013	0.09190313	8.61625712	3995.05327	955.85217	0	2	0	4.070	3991.0283	0.14552578	0.03481829	6.61545827	0.55129044	0.091263	0.00129079	0.23735913
39	3999.64713	8.85361189	3.53417325	8.70795261	9.4157053	0.09190104	8.61605158	3990.93955	954.86795	0	2	0	4.066	3986.92015	0.14565628	0.03484957	6.62141676	0.5517848	0.091263	0.00129194	0.23749064
40	3995.536212	8.85355222	3.53377999	8.70776527	9.41549192	0.09189895	8.61586632	3986.82845	953.88433	0	2	0	4.061	3982.81201	0.14578695	0.03488083	6.62735767	0.55227981	0.091263	0.0012931	0.23762015
41	3991.427879	8.85348646	3.53338661	8.70756868	9.41527935	0.09189688	8.6156781	3982.72031	952.90142	0	2	0	4.057	3978.70687	0.14591779	0.03491213	6.63330545	0.55277545	0.091263	0.00129426	0.23774983
42	3987.32543	8.85342163	3.53299312	8.70737283	9.41506759	0.09189481	8.61547802	3978.61517	951.91923	0	2	0	4.053	3974.60475	0.14604879	0.03494348	6.6392609	0.55327174	0.091263	0.00129542	0.23787967
43	3983.22032	8.85335769	3.53259952	8.70717773	9.41485662	0.09189275	8.61528497	3974.51305	950.93776	0	2	0	4.049	3970.50569	0.14617997	0.03497486	6.64522399	0.55376867	0.091263	0.00129659	0.23800968
44	3979.120974	8.85328735	3.53221582	8.70701807	9.41464645	0.0918907	8.61509257	3970.41399	949.95702	0	2	0	4.045	3966.40697	0.14631131	0.03500597	6.65119467	0.55426971	0.091263	0.00129771	0.23813986
45	3975.024795	8.8532325	3.53181199	8.70678969	9.41443703	0.09188866	8.61490103	3966.31801	948.97702	0	1	0	4.041	3962.31682	0.14644282	0.03503775	6.6571729	0.55476441	0.091263	0.00129892	0.23827072
46	3970.931722	8.85317123	3.53141807	8.70659674	9.41422842	0.09188662	8.61471012	3962.22513	947.99776	0	1	0	4.036	3958.22707	0.14657449	0.03506926	6.66315866	0.55526322	0.091263	0.00130009	0.2384007
47	3966.84178	8.85311082	3.53102406	8.7064045	9.41402055	0.09188459	8.6145199	3958.13538	947.01925	0	1	0	4.032	3954.14047	0.14670633	0.0351008	6.66915191	0.55576266	0.091263	0.00130126	0.23853137
48	3962.754993	8.85305128	3.53062994	8.70621295	9.41381343	0.09188257	8.61433038	3954.04878	946.04150	0	1	0	4.028	3950.05705	0.14683833	0.03513238	6.67515262	0.55626722	0.091263	0.00130243	0.2386622
49	3958.671184	8.85299258	3.53024764	8.70602606	9.41360613	0.09188056	8.61414513	3949.96534	945.06451	0	1	0	4.024	3945.97408	0.14697049	0.03516391	6.68116076	0.55676824	0.091263	0.0013036	0.2387932
50	3954.590976	8.85293473	3.52984144	8.7058319	9.41340142	0.09187855	8.61395136	3945.88514	944.08828	0	1	0	4.020	3941.88984	0.14710282	0.03519566	6.68717629	0.55726469	0.091263	0.00130477	0.23892435
51	3950.513792	8.85287771	3.52944705	8.70564239	9.41319651	0.09187655	8.61376584	3941.80815	943.11282	0	1	0	4.016	3937.82609	0.14723531	0.03522736	6.69319918	0.5577666	0.091263	0.00130595	0.23905567
52	3946.439854	8.85282151	3.52905258	8.70545355	9.41299231	0.09187456	8.61357899	3937.7344	942.14814	0	1	0	4.011	3933.7556	0.14736796	0.0352591	6.6992294	0.55826921	0.091263	0.00130712	0.23918714
53	3942.36918	8.85276613	3.52865803	8.70526536	9.41278883	0.09187257	8.61339279	3933.66392	941.16324	0	1	0	4.007	3929.6884	0.14750078	0.03529088	6.70526694	0.55877224	0.091263	0.0013083	0.23931878
54	3938.301793	8.85271156	3.5282634	8.70507781	9.4125																

30	14	4598.287842	8.85043739	3.58845481	8.72162859	9.43048199	0.09205275	8.62958333	4589.56621	1098.09472	0	2129	56	4.675	4641.22262	0.1288052	0.0308178	5.85538111	0.48794843	0.0931263	0.00114248	0.22078903
	15	4649.8522	8.85037235	3.59282196	8.7228567	9.43177636	0.0920579	8.6307677	4631.12937	1110.43167	0	2073	55	4.728	4691.2428	0.12754669	0.03051668	5.7981701	0.48318084	0.0931263	0.00113131	0.21954168
	16	4699.875371	8.85039495	3.59701757	8.72359888	9.43300178	0.09206886	8.63188912	4691.14961	1122.39946	0	2018	53	4.779	4739.76107	0.12655507	0.03032048	5.74379098	0.47864925	0.0931263	0.00111027	0.21855607
	17	4748.392962	8.85024519	3.60100951	8.72502254	9.43416259	0.09208119	8.63295135	4739.66793	1134.02790	0	1965	52	4.828	4786.81734	0.12521265	0.02995825	5.69206659	0.47433888	0.0931263	0.00111061	0.21722854
	18	4795.450296	8.85017969	3.60492525	8.72650054	9.43526279	0.09209193	8.63395812	4786.72425	1145.26654	0	1913	51	4.876	4832.45048	0.12412065	0.02969913	5.64283422	0.47026318	0.0931263	0.001011	0.21615495
	19	4841.084437	8.85011306	3.60865166	8.72740489	9.43630606	0.09210211	8.63491278	4832.35742	1156.18469	0	1862	49	4.923	4876.69831	0.12309817	0.02945234	5.59954415	0.46632868	0.0931263	0.00109186	0.21513262
	20	4885.332323	8.85005434	3.61223541	8.72793022	9.43729578	0.09211177	8.63581845	4876.60529	1166.77139	0	1813	48	4.968	4919.59767	0.12215119	0.02921715	5.55125838	0.46260487	0.0931263	0.00108814	0.21415835
	21	4928.233489	8.84997968	3.61582626	8.72879891	9.43823508	0.09212094	8.63667977	4919.50469	1177.03545	0	1765	47	5.012	4961.18442	0.12117789	0.02899289	5.50864951	0.45905413	0.0931263	0.00107842	0.21322937
	22	4969.821097	8.84990734	3.61898987	8.72962366	9.43912686	0.09212964	8.63750242	4961.09147	1188.38646	0	1718	45	5.054	5003.48836	0.12020368	0.02877895	5.45799971	0.45666664	0.0931263	0.00106869	0.21234309
	23	5010.130958	8.84983791	3.62219758	8.73040694	9.43997803	0.09213791	8.63826903	5001.40255	1198.62977	0	1671	44	5.095	5045.58797	0.11934017	0.02857474	5.40929986	0.45433132	0.0931263	0.00105932	0.21149715
31	24	5049.197062	8.84976618	3.62526121	8.73115105	9.44077839	0.09214576	8.63900529	5040.46591	1209.97650	0	1628	43	5.135	5078.14349	0.11861513	0.02837973	5.39214872	0.45049573	0.0931263	0.00105209	0.21068934
	1	5087.052491	8.84969643	3.62821715	8.73185814	9.44154295	0.09215322	8.63970470	5078.32063	1215.03359	0	1585	42	5.173	5115.08976	0.11783649	0.02819343	5.36575229	0.44636902	0.0931263	0.00104519	0.20991761
	2	5123.729466	8.84962253	3.63106259	8.7325302	9.44226963	0.09216031	8.64036989	5114.99694	1221.80872	0	1541	41	5.211	5150.61897	0.11709232	0.02801538	5.32929309	0.44357692	0.0931263	0.00103859	0.20918004
	3	5159.259343	8.84954993	3.63381093	8.73316909	9.44296044	0.09216706	8.64100203	5150.52617	1223.30394	0	1502	40	5.247	5185.03165	0.11638084	0.02784516	5.29057967	0.44088164	0.0931263	0.00103227	0.20847487
	4	5193.572653	8.8494769	3.63645934	8.73377653	9.44361725	0.09217347	8.64160306	5184.93888	1220.54295	0	1463	39	5.282	5218.35752	0.11573037	0.02768255	5.25066465	0.43803384	0.0931263	0.00102624	0.20780943
	5	5226.999119	8.84940349	3.63897881	8.73435414	9.44424181	0.09217956	8.64217457	5218.26476	1228.51647	0	1424	38	5.316	5250.51493	0.11504935	0.02752659	5.21053513	0.43583761	0.0931263	0.00102006	0.20715519
	6	5259.267677	8.84932977	3.64142409	8.73490344	9.44483575	0.09218536	8.64271807	5250.53277	1236.23688	0	1386	37	5.349	5281.86378	0.11442633	0.02737752	5.20172913	0.43347743	0.0931263	0.00101494	0.20653769
	7	5290.506496	8.84925577	3.64377878	8.73542583	9.44540061	0.09219087	8.64323496	5281.77107	1243.71092	0	1350	36	5.381	5312.09977	0.11382993	0.02723483	5.17461743	0.43121812	0.0931263	0.00100965	0.20594659
	8	5320.743001	8.84918155	3.64604629	8.73592266	9.44593781	0.09219612	8.64372654	5312.00708	1250.94516	0	1314	35	5.411	5341.36017	0.11325889	0.0270982	5.14865807	0.42905484	0.0931263	0.00100458	0.2053806
	9	5350.030892	8.84910715	3.64822986	8.73639516	9.44646871	0.09220111	8.64419406	5341.2675	1257.94597	0	1279	34	5.441	5369.67096	0.11271199	0.02696735	5.1237965	0.42698004	0.0931263	0.00099973	0.20483856
32	10	5378.315159	8.84903261	3.6503126	8.7368445	9.44699458	0.09220585	8.64463865	5369.57831	1264.71959	0	1245	33	5.470	5397.05747	0.11218811	0.02684201	5.0999149	0.42499846	0.0931263	0.00099509	0.20431933
	11	5405.702108	8.84895798	3.65252745	8.73727178	9.44739659	0.09221036	8.64506143	5396.96484	1291.27026	0	1212	32	5.498	5423.54431	0.1116862	0.02672192	5.0771649	0.42309708	0.0931263	0.00099063	0.20382186
	12	5432.189372	8.84888329	3.65430724	8.73767804	9.44783586	0.09221464	8.6454634	5423.45169	1297.60928	0	1180	31	5.525	5449.15547	0.11120525	0.02660685	5.05530145	0.42127512	0.0931263	0.00098637	0.20334518
	13	5457.800935	8.84880858	3.65618466	8.73806425	9.44825346	0.09221872	8.64584553	5449.06287	1303.73698	0	1149	30	5.551	5473.9143	0.11074433	0.02649657	5.03434849	0.41952904	0.0931263	0.00098228	0.20288835
	14	5482.560144	8.84873388	3.65799228	8.73843133	9.44865037	0.09222259	8.64620873	5473.82171	1309.66605	0	1119	30	5.576	5497.84352	0.11030256	0.02639087	5.0142658	0.41785548	0.0931263	0.00097836	0.20240505
	15	5506.48973	8.84865923	3.65975275	8.73878014	9.44902753	0.09222627	8.64655386	5497.75095	1315.38604	0	1089	29	5.601	5520.96357	0.10987909	0.02628956	4.99501548	0.41625129	0.0931263	0.00097461	0.20203079
	16	5529.61182	8.84858458	3.66159785	8.73911115	9.44948583	0.09222977	8.64688173	5520.92721	1320.91912	0	1062	28	5.624	5543.38792	0.10945165	0.02619415	4.97455168	0.41471747	0.0931263	0.00097074	0.20162345
	17	5551.94757	8.84851018	3.66320204	8.73942601	9.44972609	0.09223309	8.6471931	5543.20853	1326.26217	0	1032	27	5.647	5564.87192	0.10900839	0.02609932	4.95837062	0.41323022	0.0931263	0.00096755	0.20124274
	18	5575.519114	8.84843583	3.66457238	8.73972494	9.45000912	0.09223625	8.64748869	5564.77939	1331.42319	0	1005	27	5.669	5585.69822	0.1087109	0.02601005	4.94191024	0.41182585	0.0931263	0.00096424	0.20087296
	19	5594.345708	8.84836165	3.66606583	8.74000843	9.45035565	0.09223924	8.64776919	5585.6057	1336.40067	0	976	26	5.690	5605.79985	0.10835322	0.02592448	4.92565027	0.41047086	0.0931263	0.00096107	0.20051845
33	20	5614.47617	8.84828764	3.66750275	8.74027733	9.45064641	0.09224208	8.64803525	5605.70734	1341.21557	0	952	25	5.711	5625.19616	0.10800103	0.02584243	4.91006202	0.40917184	0.0931263	0.00095803	0.20017858
	21	5633.844191	8.84821384	3.66888503	8.74053225	9.45092205	0.09224477	8.64828749	5625.10366	1345.85531	0	927	25	5.730	5643.90598	0.10768158	0.02576378	4.89511828	0.40792652	0.0931263	0.00095511	0.19985277
	22	5652.554268	8.84814761	3.6702145	8.74077937	9.4511832	0.09224732	8.64852468	5643.31349	1350.33197	0	907	24	5.749	5662.81476	0.10736466	0.02568212	4.88070325	0.40672377	0.0931263	0.00095235	0.19954505
	23	5670.59619	8.84806693	3.6714929	8.74100251	9.45143053	0.09224973	8.64875278	5661.85519	1354.64944	0	879	23	5.768	5679.33906	0.10706442	0.02561612	4.8706264	0.40558584	0.0931263	0.00094964	0.19924108
	24	5687.987811	8.84799386	3.67272192	8.74121893	9.45166454	0.09225201	8.6489486														

34	16	5997.300472	8.84426396	3.69415145	8.74239941	9.45294096	0.09226447	8.65013494	5988.55807	1432.81603	0	154	4	6.101	5986.52658	0.10186454	0.024372	4.63068044	0.38589004	0.031263	0.00090352	0.19408733
	17	5995.176716	8.84422227	3.69401073	8.74232632	9.45286193	0.0922637	8.65006262	5986.43439	1432.37097	0	150	4	6.098	5984.2974	0.10189595	0.02437952	4.632108	0.386009	0.031263	0.00090308	0.19411845
	18	5994.974763	8.84418107	3.69386286	8.74252512	9.45277817	0.09226292	8.64998982	5984.20521	1431.77457	0	146	4	6.096	5981.9658	0.10192896	0.02438741	4.63360688	0.38613406	0.031263	0.00090316	0.19415117
	19	5990.515658	8.84414027	3.69370803	8.74171683	9.45277029	0.09226212	8.64991471	5981.87349	1431.21468	0	142	4	6.094	5979.53429	0.10196354	0.02439569	4.63513063	0.38626505	0.031263	0.00090304	0.19418544
	20	5988.18421	8.84410051	3.69354642	8.74210051	9.45267177	0.09226132	8.64893819	5979.44211	1430.63495	0	138	4	6.091	5977.06065	0.10199965	0.02440433	4.63682204	0.38640184	0.031263	0.00090472	0.19422123
	21	5985.655888	8.84406042	3.69337821	8.74202318	9.45253415	0.0922605	8.64976268	5976.91387	1430.03005	0	134	4	6.089	5974.38367	0.10203724	0.02441332	4.63853114	0.38654426	0.031263	0.00090505	0.19425849
	22	5983.033432	8.84402117	3.69320358	8.74194865	9.45244949	0.09225967	8.64968521	5974.29149	1429.40262	0	131	3	6.086	5971.66981	0.10207629	0.02442266	4.64030622	0.38669219	0.031263	0.00090574	0.19429772
	23	5980.319494	8.8439824	3.69302271	8.74186565	9.45236832	0.09225884	8.64960681	5971.57763	1428.73330	0	127	3	6.083	5968.86705	0.10211675	0.02443235	4.64214563	0.38684547	0.031263	0.00090595	0.1943373
	24	5977.51666	8.84394411	3.69283575	8.74177952	9.45227599	0.09225799	8.64952753	5968.77487	1428.07272	0	124	3	6.080	5965.97792	0.10215699	0.02444266	4.64404775	0.38700398	0.031263	0.00090613	0.19437717
	25	5974.672445	8.84390361	3.69264287	8.74170451	9.45218959	0.09225714	8.64944738	5965.88574	1427.39147	0	121	3	6.077	5963.04048	0.10220178	0.02445269	4.64601103	0.38717059	0.031263	0.00090651	0.19441557
35	26	5971.654299	8.84386895	3.69244423	8.74162267	9.45210718	0.09225627	8.64936364	5962.91268	1426.68014	0	118	3	6.074	5959.95024	0.10224628	0.02446334	4.64803392	0.38733616	0.031263	0.0009069	0.19446568
	27	5968.599605	8.84383207	3.69223998	8.74154001	9.45201217	0.09225554	8.64928461	5959.88807	1425.94929	0	115	3	6.071	5956.8164	0.10229206	0.02447429	4.65011498	0.38750958	0.031263	0.00090731	0.19451105
	28	5965.465685	8.84379566	3.69203028	8.74145658	9.45192125	0.09225452	8.64920206	5956.72423	1425.19949	0	111	3	6.068	5953.60559	0.10233909	0.02448554	4.65225275	0.38768773	0.031263	0.00090773	0.19455766
	29	5962.254797	8.84375972	3.69181525	8.74137239	9.45183047	0.09225363	8.64911876	5953.51342	1424.43128	0	109	3	6.065	5950.32002	0.10238733	0.02449708	4.65444485	0.38787049	0.031263	0.00090815	0.19460548
	30	5958.969141	8.84372423	3.69159505	8.74128747	9.45173865	0.09225274	8.64903474	5950.22785	1423.64518	0	106	3	6.062	5946.96182	0.10243876	0.02451001	4.65669291	0.38805774	0.031263	0.00090859	0.19464547
	31	5955.510858	8.84368802	3.69136982	8.74120186	9.45164608	0.09225183	8.64895002	5946.86966	1422.84710	0	103	3	6.058	5943.53308	0.10248735	0.02452101	4.65899264	0.38824939	0.031263	0.00090904	0.19470461
	32	5952.182032	8.84365463	3.69113968	8.74111556	9.45155277	0.09225092	8.64886464	5943.44092	1422.02134	0	100	3	6.055	5940.0583	0.10253907	0.02453339	4.66134374	0.38845431	0.031263	0.0009095	0.19475587
	33	5948.846692	8.84362051	3.69090497	8.74102862	9.45145876	0.09225	8.64877862	5939.94366	1421.18459	0	97	3	6.051	5936.47203	0.10259189	0.02454603	4.66374497	0.38864541	0.031263	0.00090997	0.19480822
	34	5945.120813	8.84358684	3.69066522	8.740994105	9.45136407	0.09224908	8.64869197	5936.37987	1420.33193	0	95	3	6.047	5932.84363	0.10264579	0.02455892	4.66619514	0.38884959	0.031263	0.00091045	0.19486164
	36	35	5941.492318	8.84355361	3.69042114	8.7408288	9.45126873	0.09224815	8.64860473	5932.75146	1419.46380	0	92	2	6.044	5929.15247	0.10270074	0.02457207	4.66869305	0.38905775	0.031263	0.00091093
36		5937.801077	8.84352083	3.69017265	8.74076412	9.45117276	0.09224721	8.64851901	5929.60031	1418.58066	0	90	2	6.040	5925.4004	0.10275571	0.02458546	4.67123757	0.3892698	0.031263	0.00091143	0.19497158
37		5934.048914	8.84348849	3.68991988	8.7406748	9.45107619	0.09224627	8.64842853	5925.30824	1417.68294	0	88	2	6.036	5921.58917	0.10281368	0.02459909	4.67382759	0.38948463	0.031263	0.00091194	0.19502805
38		5930.237601	8.84345658	3.68966293	8.74058495	9.45097903	0.09224532	8.64833962	5921.49702	1416.77107	0	85	2	6.032	5917.72053	0.10287164	0.02461296	4.67646204	0.3897051	0.031263	0.00091245	0.19508549
39		5925.368865	8.84342511	3.68940192	8.74049457	9.45088131	0.09224437	8.64825052	5917.62837	1415.84546	0	83	2	6.028	5913.79614	0.10293054	0.02462705	4.67913985	0.38992832	0.031263	0.00091297	0.19514387
40		5922.44387	8.84339407	3.68913695	8.74040369	9.45078304	0.09224341	8.64816028	5913.70398	1414.90652	0	81	2	6.024	5909.81764	0.10299038	0.02464137	4.68186002	0.390155	0.031263	0.0009135	0.19520318
41		5918.465802	8.84336346	3.68888612	8.74013123	9.45068426	0.09224244	8.64806989	5909.72549	1413.95463	0	79	2	6.020	5905.78663	0.10305113	0.0246559	4.68462454	0.39038513	0.031263	0.00091404	0.19526339
42		5914.434703	8.84333247	3.68863955	8.74005167	9.45058796	0.09224148	8.64797964	5905.68448	1412.99017	0	77	2	6.016	5901.74625	0.10311276	0.02467045	4.68741244	0.39061282	0.031263	0.00091459	0.19532347
43		5910.35264	8.84330351	3.68839132	8.74012824	9.45048857	0.09224051	8.64788774	5901.61251	1412.01352	0	75	2	6.012	5897.57323	0.10317527	0.0246856	4.69024383	0.3908554	0.031263	0.00091514	0.19538642
44		5906.221122	8.84327417	3.68809354	8.74003555	9.45038498	0.09223952	8.64779602	5897.48109	1411.02504	0	73	2	6.008	5893.39382	0.10323862	0.02470076	4.69314474	0.39109539	0.031263	0.00091571	0.19544921
37	45	5902.01618	8.84324524	3.68775629	8.73994244	9.4502843	0.09223854	8.6477039	5893.30168	1410.02508	0	71	2	6.004	5889.16785	0.1033028	0.02471612	4.6960623	0.39133852	0.031263	0.00091627	0.19551282
	46	5897.815558	8.84321672	3.68746968	8.73984894	9.4501881	0.09223755	8.64761138	5889.07571	1409.03198	0	69	2	5.999	5884.89672	0.10336779	0.02473167	4.69901665	0.39158472	0.031263	0.00091685	0.19557799
	47	5893.544334	8.84318862	3.68717978	8.73975505	9.45008168	0.09223656	8.64751849	5884.80458	1408.09208	0	67	2	5.995	5880.58178	0.10343357	0.0247474	4.70200694	0.39183391	0.031263	0.00091743	0.19564243
	48	5889.2293	8.84316052	3.68689668	8.73966078	9.44997977	0.09223557	8.64742523	5880.49644	1407.09508	0	65	2	5.991	5876.26325	0.10349935	0.02476322	4.70502227	0.39208623	0.031263	0.00091801	0.19570784
	49	5884.871777	8.84313363	3.686659047	8.7395662	9.44987768	0.09223457	8.64733163	5876.13221	1405.91713	0	63	2	5.986	5871.82571	0.10356743	0.02477943	4.70809212	0.39234011	0.031263	0.00091862	0.19577511
	50	5880.473047	8.84310674	3.68642912	8.73947127	9.44977483	0.09223357	8.6472377	5871.73358	1404.86472	0	62	2	5.982	5867.38712	0.10363547	0.02479571	4.71118543	0.39259879	0.031263		

18	5552.627825	8.84209057	3.66335909	8.73308099	9.44287395	0.09216621	8.64092288	5543.89474	1326.42635	0	11	0	5.648	5538.54105	0.10900148	0.02607958	4.95511962	0.41292664	0.031263	0.00096682	0.20116096
19	5547.181973	8.84208384	3.66296759	8.73298811	9.44276475	0.09216515	8.64082296	5538.44898	1325.12341	0	11	0	5.642	5533.09307	0.10909573	0.02610213	4.95940439	0.4132837	0.031263	0.00096766	0.20125438
20	5541.733892	8.84207733	3.66257558	8.73288166	9.44265557	0.09216408	8.64072305	5533.01011	1323.81993	0	11	0	5.637	5527.64307	0.10910542	0.02612473	4.95636892	0.41364158	0.031263	0.00096849	0.20134801
21	5536.283792	8.84207016	3.66218307	8.73278081	9.44254641	0.09216302	8.64062316	5527.55101	1322.51597	0	10	0	5.631	5522.19125	0.10912848	0.02614738	4.95800308	0.41400026	0.031263	0.00096931	0.20144185
22	5530.831874	8.84206501	3.66179008	8.73268524	9.44243737	0.09216195	8.64052329	5522.09919	1321.21157	0	10	0	5.625	5516.73781	0.10937077	0.02617009	4.97231673	0.41435973	0.031263	0.00097018	0.20153559
23	5525.378334	8.84205918	3.66139661	8.73258431	9.44232814	0.09216089	8.64042343	5516.64575	1319.90679	0	10	0	5.620	5511.28294	0.10947487	0.02619284	4.97663974	0.41471998	0.031263	0.00097187	0.20163015
24	5519.923366	8.84205358	3.66102688	8.73248341	9.44221904	0.09215982	8.64032359	5511.19088	1318.61066	0	9	0	5.614	5505.82683	0.10957017	0.02621564	4.980972	0.415081	0.031263	0.00097317	0.20172461
25	5514.467154	8.8420482	3.66060681	8.73238252	9.44210995	0.09215876	8.64022377	5505.73477	1317.29624	0	9	0	5.609	5500.36966	0.10966567	0.02623849	4.98531339	0.41544278	0.031263	0.00097271	0.20181926
26	5509.009881	8.84204303	3.6602135	8.73228166	9.44200089	0.09215769	8.64012387	5500.2776	1315.99056	0	9	0	5.603	5504.1118	0.10976137	0.02626139	4.98963878	0.41580532	0.031263	0.00097356	0.20191411
27	5503.551721	8.84203801	3.65981827	8.73218081	9.44189184	0.09215661	8.64002419	5494.91954	1314.68487	0	9	0	5.597	5498.45282	0.10985436	0.02628413	4.99402307	0.41618859	0.031263	0.00097426	0.20200915
28	5498.092848	8.84203334	3.65942263	8.73207999	9.44177822	0.09215556	8.63992442	5489.36077	1313.37861	0	8	0	5.592	5493.9935	0.10995335	0.02630372	4.99839113	0.41653259	0.031263	0.00097526	0.20210439
29	5492.633427	8.84202881	3.65902658	8.73197918	9.44167383	0.0921545	8.63982468	5483.90145	1312.07242	0	8	0	5.587	5478.5338	0.11004963	0.02633036	5.00276788	0.41689732	0.031263	0.00097612	0.20219981
30	5487.173621	8.8420245	3.65863015	8.7318784	9.44156485	0.09215344	8.63972496	5478.44174	1310.76614	0	8	0	5.581	5473.07386	0.1101461	0.02635344	5.00715318	0.41726277	0.031263	0.00097697	0.20229542
31	5481.713588	8.84202039	3.65823334	8.73177764	9.4414559	0.09215237	8.63962527	5472.98181	1309.45980	0	8	0	5.575	5467.61385	0.11024275	0.02637656	5.01154696	0.41762891	0.031263	0.00097783	0.20239122
32	5476.25348	8.84201649	3.65783617	8.73167659	9.44134698	0.09215131	8.63952559	5467.5218	1308.15344	0	8	0	5.570	5462.15392	0.11033959	0.02639929	5.01518941	0.41799576	0.031263	0.00097869	0.20248712
33	5470.793448	8.84201279	3.65743883	8.73157618	9.44123807	0.09215025	8.63942594	5462.06187	1306.84711	0	7	0	5.564	5456.69421	0.11043661	0.02642254	5.0203595	0.41836329	0.031263	0.00097955	0.20258336
34	5465.336336	8.84200929	3.65704075	8.73147549	9.4411292	0.09214918	8.63932631	5456.60216	1305.54082	0	7	0	5.559	5451.23486	0.1105338	0.0264462	5.02477808	0.41873151	0.031263	0.00098041	0.20267969
35	5459.874185	8.842006	3.65664254	8.73137452	9.44102034	0.09214812	8.6392267	5451.14281	1304.23462	0	7	0	5.553	5445.77601	0.11063118	0.0264695	5.02920474	0.41919104	0.031263	0.00098128	0.20277621
36	5454.415233	8.8420029	3.65624399	8.73127417	9.44091151	0.09214706	8.63912711	5445.68396	1302.92854	0	7	0	5.548	5440.31779	0.11072873	0.02649284	5.03363939	0.41964995	0.031263	0.00098214	0.20287289
37	5448.956913	8.84200001	3.65584513	8.73117355	9.44080271	0.092146	8.63902755	5440.22574	1301.62262	0	7	0	5.542	5434.86033	0.11082646	0.02651622	5.03808194	0.41984016	0.031263	0.00098301	0.20296975
38	5443.499356	8.8419973	3.65544596	8.73107294	9.44069393	0.09214494	8.63892801	5434.76828	1300.31687	0	6	0	5.536	5429.40376	0.11092436	0.02653964	5.04253231	0.42021103	0.031263	0.00098388	0.20306678
39	5438.042686	8.84199479	3.65504648	8.73097237	9.44058518	0.09214387	8.63882849	5429.31171	1299.01134	0	6	0	5.531	5423.9482	0.11102243	0.02656311	5.04699094	0.42050253	0.031263	0.00098475	0.20316398
40	5432.587028	8.84199247	3.65464672	8.73087181	9.44047645	0.09214281	8.638729	5423.85616	1297.70605	0	6	0	5.525	5418.49377	0.11112066	0.02658661	5.05145615	0.42095468	0.031263	0.00098562	0.20326135
41	5427.132499	8.84199034	3.65424667	8.73077128	9.44036752	0.09214175	8.63862953	5418.40173	1296.40103	0	6	0	5.520	5413.04059	0.11121907	0.02661016	5.05592947	0.42132746	0.031263	0.00098649	0.20335888
42	5421.679217	8.8419884	3.65384635	8.73067077	9.44025907	0.09214069	8.63853008	5413.28595	1295.09630	0	6	0	5.514	5407.58876	0.11131763	0.02663374	5.06041029	0.42170086	0.031263	0.00098736	0.20345657
43	5416.227294	8.84198665	3.65344576	8.73057028	9.44015042	0.09213963	8.63843055	5407.49672	1293.79191	0	6	0	5.509	5402.13871	0.11141636	0.02665736	5.06489853	0.42207488	0.031263	0.00098824	0.20355443
44	5410.77684	8.84198481	3.65304519	8.73046982	9.44004187	0.09213857	8.63833125	5402.04637	1292.48786	0	6	0	5.503	5396.68962	0.111515126	0.02668092	5.06932912	0.42244971	0.031263	0.00098912	0.20365244
45	5405.327961	8.84198293	3.65264438	8.73036938	9.43993319	0.09213751	8.63823687	5396.95759	1291.18419	0	5	0	5.498	5391.24253	0.11161431	0.02670472	5.07389697	0.42282475	0.031263	0.00099	0.20375061
46	5399.880761	8.84198249	3.65224245	8.73026897	9.43982461	0.09213645	8.63813252	5391.15049	1289.88092	0	5	0	5.492	5385.79721	0.11171352	0.02672846	5.07840703	0.42320059	0.031263	0.00099088	0.20384895
47	5394.435341	8.84198146	3.65184087	8.73016857	9.43971606	0.09213539	8.63803318	5385.70517	1288.57808	0	5	0	5.486	5380.35376	0.11181289	0.02675223	5.08292423	0.42357702	0.031263	0.00099176	0.20394743
48	5388.991798	8.84198062	3.65143905	8.7300682	9.43960763	0.09213433	8.63793387	5380.26173	1287.27569	0	5	0	5.481	5374.91229	0.11191241	0.02677604	5.0874851	0.42395044	0.031263	0.00099264	0.20404607
49	5383.550228	8.84197994	3.65103701	8.72996785	9.43949903	0.09213327	8.63783458	5374.82026	1285.97377	0	5	0	5.475	5369.47289	0.11201209	0.02679989	5.08919797	0.42433105	0.031263	0.00099352	0.20414487
50	5378.110724	8.84197925	3.65063519	8.72986742	9.43939055	0.09213221	8.63773514	5369.38086	1284.67234	0	5	0	5.469	5364.02761	0.11211173	0.02682378	5.09161306	0.42470384	0.031263	0.00099441	0.20424381
51	5372.673375	8.84197913	3.65023228	8.72976722	9.43928209	0.09213116	8.63763607	5363.94361	1283.37143	0	5	0	5.464	5358.60063	0.1122119	0.0268477	5.10016314	0.42508859	0.031263	0.0009953	0.20434321
52	5367.238269	8.84197898	3.64982961	8.72966604	9.43917366	0.0921301	8.63753684	5358.5086	1282.07106	0	4	0	5.459	5353.16795	0.11231204	0.02687166	5.10561508	0.42546792	0.031263	0.00099618	0.20444215
53	5361.80549	8.841978	3.64942674	8.72956668	9.43906524	0.09212904	8.63743764	5353.07592	1280.77124	0	4	0	5.453	5347.73768	0.11241232	0.02689565	5.11017379	0.42584782	0.031263	0.00099707	0.20454155
54	5356.375122	8.84197818	3.64902367	8.72946644	9.43895686	0.09212798	8.63733846	5347.46566	1279.47200	0	4	0	5.448	5342.30991	0.11251275	0.02691968	5.11471921	0.42622827	0.031263	0.00099797	0.20464108
55	5350.947245	8.84197804	3.64862454	8.72936622	9.43884849	0.09212692	8.63723928	5342.1786	1278.17336	0	4	0	5.442	5336.887	0.11261312	0.02694374	5.11931286	0.42660927	0.031263	0.00099886	0.20474027
56	5345.521935	8.84198006	3.64822699	8.72926602	9.43874015	0.09212587	8.63714015	5336.79267	1276.87533	0	4	0	5.437	5331.46213	0.11271404	0.02696784	5.12388998	0.42699083	0.031263	0.00099975	0.20484059
57	5340.099271	8.84198075	3.64781338	8.72916584	9.43863183	0.09212481	8.63704103	5331.70171	1275.57793	0	4	0	5.431	5326.04228	0.11281491	0.02699197	5.12847522	0.42737293	0.031263	0.00100065	0.20494056
58	5334.679324	8.84198159	3.64740096	8.72906568	9.43852353	0.09212375	8.63694193	5325.95026	1274.28119	0	4	0	5.426	5320.62522	0.11291592	0.02701614	5.13306696	0.42775558	0.031263	0.00100154	0.20504068
59	5329.262166	8.8419826	3.64700566	8.72896554	9.43841525	0.09212269	8.63684284	5320.5332	1272.98513	0	4	0	5.420	5315.21102	0.11301707	0.02704034	5.13766516	0.42813876	0.031263	0.00100244	0.20514093
60	5323.84786																				

20	5026.661814	8.84226469	3.62382902	8.72327161	9.43225854	0.0920626	8.631209	5017.93854	1200.58663	0	1	0	5.112	5012.84795	0.11899309	0.02847016	5.4093302	0.45077752	0.0931263	0.00105544	0.21106394
21	5021.479163	8.84227295	3.62342121	8.72317617	9.43215041	0.0920615	8.63111006	5017.75599	1199.34666	0	1	0	5.107	5007.67012	0.11931034	0.02849606	5.41425132	0.45118761	0.0931263	0.00105564	0.21117124
22	5016.302132	8.84228215	3.62301339	8.72307159	9.43204227	0.09206049	8.63101111	5017.57816	1198.10782	0	1	0	5.101	5002.49702	0.11920987	0.02852199	5.41917751	0.45159813	0.0931263	0.00105737	0.21127864
23	5011.128029	8.84228974	3.62261057	8.72297156	9.4319341	0.09205944	8.63091212	5002.40506	1196.87011	0	1	0	5.096	4997.32865	0.11932118	0.02847042	5.42410876	0.45200006	0.0931263	0.00106813	0.21138015
24	5005.995564	8.84229828	3.62219774	8.72287151	9.43182592	0.09205838	8.63081313	4997.23669	1195.63353	0	1	0	5.091	4992.16503	0.11942677	0.02857392	5.42004507	0.45242042	0.0931263	0.00105929	0.21149378
42	5000.795848	8.84230691	3.62178899	8.72277144	9.43171772	0.09205732	8.63071412	4992.07308	1194.39809	0	1	0	5.085	4987.00617	0.11953547	0.02859993	5.43398643	0.4528322	0.0931263	0.00106122	0.21160151
	4995.636888	8.84231563	3.62138206	8.72267135	9.4316095	0.09205627	8.63061508	4986.91422	1193.16378	0	1	0	5.080	4981.85208	0.11964428	0.02862596	5.43938283	0.4532444	0.0931263	0.00106122	0.21170936
	4990.480293	8.84232444	3.62097422	8.72257125	9.43151026	0.09205521	8.63051603	4981.76012	1191.93062	0	1	0	5.075	4976.70276	0.11975732	0.02865202	5.44388427	0.45365702	0.0931263	0.00106219	0.21181731
	4985.332712	8.84233335	3.62056638	8.72247112	9.43141929	0.09205415	8.63041696	4976.6108	1190.6860	0	1	0	5.070	4971.55821	0.11986223	0.02867811	5.44848074	0.45400706	0.0931263	0.00106315	0.21192538
	4980.188613	8.84234214	3.62015854	8.72237097	9.43132847	0.0920531	8.63031787	4971.46626	1189.44772	0	1	0	5.066	4966.41846	0.11993118	0.02870422	5.45380221	0.45438512	0.0931263	0.00106412	0.21203855
	4975.04878	8.84235142	3.6197507	8.72227108	9.43117639	0.09205204	8.63021876	4966.32651	1188.23799	0	1	0	5.059	4961.2835	0.12000862	0.02873036	5.45849739	0.45479391	0.0931263	0.00106509	0.21214183
	4969.913724	8.84236059	3.61934286	8.72217061	9.43106806	0.09205098	8.63011962	4961.19155	1187.00941	0	1	0	5.054	4956.15335	0.12018998	0.02875653	5.46374026	0.45531169	0.0931263	0.00106606	0.21225023
	4964.78347	8.84236985	3.61893503	8.72207039	9.4309597	0.09204993	8.63002047	4956.0614	1185.78197	0	1	0	5.049	4951.028	0.12029946	0.02878272	5.46871678	0.4557264	0.0931263	0.00106703	0.21235873
	4959.658025	8.84237919	3.61852719	8.72197016	9.43085131	0.09204887	8.62992129	4950.93605	1184.55555	0	1	0	5.044	4945.90747	0.12040904	0.02880894	5.47369881	0.45614153	0.0931263	0.001068	0.21246734
	4954.537395	8.84238862	3.61811936	8.72186989	9.4307429	0.09204781	8.62982208	4945.81553	1183.33055	0	1	0	5.038	4940.79176	0.12051873	0.02883618	5.47868484	0.45655707	0.0931263	0.00106898	0.21257606
43	4949.421587	8.84239814	3.61771154	8.72176961	9.43063446	0.09204675	8.62972286	4940.69982	1182.10658	0	1	0	5.033	4935.68088	0.12062635	0.02886345	5.48367633	0.45697203	0.0931263	0.00106995	0.21268488
	4944.310605	8.84240774	3.61730372	8.72166929	9.430526	0.09204569	8.6296236	4935.58894	1180.88375	0	1	0	5.028	4930.57483	0.12073845	0.02888775	5.48867285	0.4573894	0.0931263	0.00107093	0.21279382
	4939.204454	8.84241742	3.61689591	8.72156896	9.43041751	0.09204463	8.62952432	4930.48289	1179.66208	0	1	0	5.023	4925.47362	0.12084847	0.02891408	5.49367434	0.45780619	0.0931263	0.00107199	0.21290287
	4934.103141	8.84242719	3.61648881	8.72146859	9.43030899	0.09204357	8.62942502	4925.38167	1178.44157	0	0	5.018	4920.37724	0.1209586	0.0289404	5.4986808	0.4582234	0.0931263	0.00107288	0.21301202	
	4929.006669	8.84243704	3.61608031	8.7213682	9.43020043	0.09204251	8.62932569	4920.2853	1177.22222	0	0	5.012	4915.28572	0.12106884	0.0289668	5.50369224	0.45864102	0.0931263	0.00107386	0.21312128	
	4923.915043	8.84244697	3.61567252	8.72126778	9.43009185	0.09204145	8.62922633	4915.19378	1176.00403	0	0	5.007	4910.19904	0.12117919	0.0289932	5.5087965	0.45905905	0.0931263	0.00107483	0.21323065	
	4918.828268	8.84245698	3.61526475	8.72116734	9.42998324	0.09204039	8.62912694	4910.1071	1174.78700	0	0	5.002	4905.11722	0.12128965	0.02901963	5.51373003	0.4594775	0.0931263	0.00107581	0.21334013	
	4913.746347	8.84246707	3.61485698	8.72106686	9.4298746	0.09203933	8.62902753	4905.02528	1173.57112	0	0	4.997	4900.04026	0.12140022	0.02904609	5.51875638	0.45989636	0.0931263	0.00107688	0.21344972	
	4908.669284	8.84247725	3.61444922	8.72096635	9.42976552	0.09203827	8.62892808	4899.94832	1172.35642	0	0	4.992	4894.96815	0.12151089	0.02907257	5.52378768	0.46035154	0.0931263	0.00107778	0.21355942	
	4903.597082	8.84248735	3.61404148	8.72086582	9.42965722	0.09203721	8.62882861	4894.87622	1171.14287	0	0	4.986	4889.90092	0.12162168	0.02909907	5.52882395	0.46073533	0.0931263	0.00107876	0.21366922	
44	4898.528746	8.84249783	3.61363375	8.72076525	9.42954848	0.09203615	8.62872891	4889.80898	1169.93049	0	0	4.981	4884.83855	0.12173257	0.02912561	5.53386517	0.46115543	0.0931263	0.00107974	0.21377913	
	4893.467277	8.84250843	3.61322597	8.72066465	9.42943971	0.09203509	8.62862957	4884.74661	1168.71711	0	0	4.976	4879.77102	0.12184348	0.02915216	5.53891134	0.46157394	0.0931263	0.00108071	0.21388915	
	4888.409679	8.84251872	3.61281832	8.72056403	9.42933109	0.09203403	8.62853	4879.68912	1167.50922	0	0	4.971	4874.72842	0.12195469	0.02917875	5.54396246	0.46199687	0.0931263	0.00108171	0.21399928	
	4883.356955	8.84252928	3.61241063	8.72046336	9.42922206	0.09203297	8.6284304	4874.63649	1166.30034	0	0	4.966	4869.68068	0.12206591	0.02920536	5.54901854	0.46241821	0.0931263	0.0010827	0.21410952	
	4878.309106	8.84253991	3.61200265	8.72036267	9.42911318	0.0920319	8.62833077	4869.58874	1165.09262	3017	3017	80	4.961	4944.45414	0.12217725	0.029232	5.55407956	0.46283996	0.0931263	0.00108369	0.21421986
	4873.264267	8.84255063	3.61159561	8.72199875	9.43088223	0.09204917	8.62994958	4944.36047	1182.98422	0	2937	78	5.017	5017.03762	0.12055188	0.02884311	5.58019172	0.45668264	0.0931263	0.00109627	0.21260891
	5025.667574	8.84255849	3.62373776	8.72354113	9.43254997	0.09206545	8.63147569	5016.94403	1200.34869	0	2860	76	5.111	5087.49106	0.11901735	0.02848797	5.41043341	0.45086949	0.0931263	0.00105566	0.2111088
	5096.122541	8.84257409	3.62493959	8.72509051	9.43492385	0.09208081	8.63392174	5097.39754	1217.2032	0	2073	64	5.153	5465.54588	0.11813897	0.02856498	5.36342115	0.44958125	0.0931263	0.00109525	0.21205221
	5164.503939	8.84256638	3.63451712	8.72637171	9.4356106	0.09209532	8.63427639	5155.77757	1233.56585	0	2710	72	5.252	5222.32357	0.11619467	0.02780061	5.28211669	0.44017639	0.0931263	0.00103062	0.20829035
	5230.866848	8.84256674	3.63957881	8.72767176	9.43701631	0.09210904	8.63556272	5222.13918	1249.44346	0	2638	70	5.320	5286.62932	0.11489498	0.02748965	5.22303369	0.43525281	0.0931263	0.0010191	0.20700219
45	5295.264885	8.8425649	3.64443632	8.728902	9.43834654	0.09212202	8.63677997	5286.53599	1264.85097	0	2569	68	5.385	5349.11347	0.11366291	0.02719487	5.16702459	0.43058538	0.0931263	0.00100817	0.20578104
	5357.750252	8.84256102	3.64909096	8.7300671	9.43906034	0.09213432	8.63793278	5349.02019	1279.80087	0	2501	66	5.449	5409.73584	0.11249302	0.02691517	5.11388314	0.42615693	0.0931263	0.00099798	0.20466242
	5418.761708	8.84255522	3.65371748	8.73147163	9.44090032	0.09214597	8.63909236	5409.4406	1294.30513	0	243										

22	6972.946108	8.84095712	3.75548985	8.75181259	9.46311192	0.09236381	8.65944877	6964.1943	1666.24571	0	474	7.094	6969.64879	0.08914453	0.02132863	4.05243876	0.33770323	0.0031263	0.00079069	0.18148014
23	6978.308234	8.84092891	3.75581449	8.75184514	9.46315439	0.09236416	8.65948098	6969.55639	1667.52864	0	462	7.100	6974.67339	0.08908377	0.02131409	4.04967675	0.33747306	0.0031263	0.0007905	0.18141992
24	6983.328272	8.8409009	3.75611046	8.751874	9.46311856	0.09236446	8.65950593	6974.581	1668.73082	0	460	7.105	6979.36964	0.0890269	0.02130408	4.04709154	0.33727563	0.0031263	0.00079091	0.18136955
1	6988.029151	8.84087709	3.756387	8.75189928	9.46321294	0.09236473	8.65953455	6979.27225	1669.85444	0	438	7.110	6983.74642	0.08897738	0.02128778	4.04467775	0.33705648	0.0031263	0.00079919	0.18131093
2	6992.405957	8.84084548	3.75664465	8.75192111	9.46323655	0.09236496	8.65955615	6983.65404	1670.90163	0	426	7.114	6987.81239	0.08892436	0.02127505	4.04243022	0.33686918	0.0031263	0.00078874	0.18126192
3	6996.471943	8.84081808	3.75688397	8.75193961	9.46325654	0.09236516	8.65957445	6987.72	1671.87445	0	415	7.118	6991.57596	0.08887847	0.02126497	4.04034394	0.33669533	0.0031263	0.00078833	0.18121644
4	7000.235531	8.84079089	3.75710545	8.75195487	9.46327305	0.09236532	8.65958955	6991.48358	1672.77491	0	404	7.122	6995.04533	0.08883602	0.02125481	4.0384141	0.33653451	0.0031263	0.00078796	0.18117436
5	7003.70492	8.84076392	3.75730962	8.75196701	9.46328644	0.09236544	8.65960157	6994.95295	1673.60499	0	393	7.126	6998.22849	0.08879691	0.02124545	4.03636307	0.33638834	0.0031263	0.00078761	0.18113356
6	7006.88893	8.8407146	3.75749666	8.75197613	9.46329603	0.09236554	8.65961059	6998.13612	1674.36659	0	383	7.129	7001.13321	0.08876710	0.02123687	4.03509535	0.33628945	0.0031263	0.00078729	0.18110384
7	7009.79282	8.84071069	3.75766795	8.75198233	9.46329651	0.09236561	8.65961672	7001.0408	1675.05137	0	372	7.130	7004.79705	0.08873831	0.02122904	4.03351761	0.33612647	0.0031263	0.00078717	0.18106761
8	7012.42667	8.84068432	3.75782304	8.75198569	9.46330637	0.09236564	8.65962005	7003.67468	1675.69174	0	363	7.135	7006.13738	0.08869863	0.02122194	4.03216872	0.33601406	0.0031263	0.00078674	0.18110082
9	7014.796999	8.84065825	3.75796268	8.75198632	9.46330705	0.09236565	8.65962067	7006.04501	1676.25887	0	353	7.137	7008.25136	0.08867193	0.02121555	4.0309546	0.33591288	0.0031263	0.0007865	0.18101173
10	7016.910084	8.8406324	3.7580873	8.7519843	9.46330487	0.09236563	8.65961867	7008.159	1676.76466	0	344	7.139	7010.11598	0.0886481	0.02120985	4.02987138	0.33582262	0.0031263	0.00078629	0.18098811
11	7018.775603	8.84060678	3.75819733	8.75197971	9.46329991	0.09236558	8.65961414	7010.02362	1677.21079	0	335	7.141	7011.73804	0.08862707	0.02120482	4.02891513	0.33574294	0.0031263	0.0007861	0.18096726
12	7020.397651	8.8405814	3.75829216	8.75197265	9.46329527	0.0923655	8.65960777	7011.64568	1677.59888	0	326	7.143	7013.12413	0.08860875	0.02120444	4.02868273	0.33567236	0.0031263	0.00078594	0.18094911
13	7021.783742	8.84055625	3.7583752	8.75196318	9.46328203	0.0923654	8.65959777	7013.03178	1677.93051	0	317	7.144	7014.24807	0.08859308	0.02119668	4.02737015	0.33561418	0.0031263	0.0007858	0.18093357
14	7022.940316	8.84053135	3.75844383	8.75195138	9.46326928	0.09236528	8.6595861	7014.18836	1678.20724	0	309	7.145	7015.21406	0.08857997	0.02119355	4.02677416	0.33556451	0.0031263	0.00078569	0.18092058
15	7023.873643	8.84050669	3.75849941	8.75193734	9.46325409	0.09236513	8.65957221	7015.12171	1678.43055	0	301	7.146	7015.93025	0.08856935	0.02119101	4.02629149	0.33552429	0.0031263	0.00078559	0.18091006
16	7024.589825	8.84048226	3.75854231	8.75192111	9.46323654	0.09236496	8.65955615	7016.34379	1678.60190	0	293	7.148	7016.43525	0.08856115	0.02118905	4.02591897	0.33549325	0.0031263	0.00078552	0.18090194
17	7025.094804	8.84045808	3.75857289	8.75190277	9.46321671	0.09236477	8.659538	7016.3429	1678.72273	0	285	7.148	7016.73483	0.08855531	0.02118765	4.02565351	0.33547113	0.0031263	0.00078547	0.18089615
18	7025.394364	8.84043415	3.75859164	8.75188239	9.46319467	0.09236455	8.65951784	7016.42428	1678.79441	0	277	7.148	7016.83462	0.08855176	0.0211868	4.02540216	0.33545768	0.0031263	0.0007854	0.18089263
19	7025.494135	8.84041047	3.75859838	8.75186002	9.46317004	0.09236432	8.65949571	7016.74228	1678.81828	0	270	7.148	7016.7401	0.08855044	0.02118648	4.02543202	0.33545267	0.0031263	0.00078542	0.18089132
20	7025.3996	8.84038703	3.75859395	8.75183574	9.46314424	0.09236406	8.65947168	7016.64776	1678.79567	0	263	7.148	7016.45662	0.08855128	0.02118669	4.02547034	0.3354558	0.0031263	0.00078543	0.18089215
21	7025.116093	8.84036384	3.75857849	8.7518096	9.46311597	0.09236378	8.65944582	7016.36428	1678.72785	0	256	7.148	7015.98936	0.08855423	0.02118739	4.0256044	0.33546703	0.0031263	0.00078546	0.18089508
22	7024.648811	8.8403409	3.75855231	8.75178167	9.46308876	0.09236349	8.65941818	7015.89703	1678.61605	0	249	7.147	7015.34339	0.08855923	0.02118859	4.0258316	0.33548597	0.0031263	0.0007855	0.18090003
23	7024.00281	8.84031821	3.75851586	8.75175199	9.46305367	0.09236318	8.65938881	7015.25106	1678.46150	0	243	7.147	7014.52363	0.08856622	0.02119026	4.02614941	0.33551245	0.0031263	0.00078556	0.18090663
24	7023.183014	8.84029577	3.75848169	8.75172026	9.46302824	0.09236284	8.65935757	7014.31212	1678.26536	0	234	7.146	7013.51793	0.08857486	0.02119238	4.02635468	0.33551245	0.0031263	0.00078557	0.18091481
1	7022.194216	8.84027358	3.75844125	8.75168761	9.46298402	0.09236255	8.65932453	7013.44253	1678.02879	0	230	7.145	7012.38176	0.08858597	0.02119409	4.02704717	0.33558726	0.0031263	0.00078574	0.18092663
2	7021.041081	8.84025165	3.75834599	8.75165302	9.46294667	0.09236213	8.65929089	7012.28943	1677.75290	0	224	7.143	7011.06886	0.08859863	0.02119801	4.02762245	0.3356352	0.0031263	0.00078585	0.18093908
3	7019.728151	8.84022997	3.75827038	8.7516169	9.46290701	0.09236175	8.65925515	7010.97653	1677.43878	0	218	7.142	7009.60059	0.08861307	0.02120147	4.02827901	0.33568992	0.0031263	0.00078598	0.18095339
4	7018.259849	8.84020854	3.75818568	8.75159729	9.46286694	0.09236135	8.65921794	7009.50827	1677.08748	0	212	7.141	7007.98126	0.08862925	0.02120534	4.02901468	0.33575122	0.0031263	0.00078612	0.18096943
5	7016.640479	8.84018737	3.75809213	8.75154024	9.46282471	0.09236094	8.65917793	7007.88894	1676.70004	0	207	7.139	7006.12505	0.08864713	0.02120962	4.02968278	0.33581895	0.0031263	0.00078628	0.18098715
6	7014.874231	8.84016577	3.75798299	8.7514903	9.46278451	0.09236051	8.659132273	7006.27746	1676.31277	0	200	7.138	7004.80297	0.08866507	0.02121429	4.02979504	0.33589092	0.0031263	0.0007864	0.18100465
7	7012.965186	8.84014578	3.75787944	8.75145799	9.46273578	0.09236007	8.65909791	7004.21373	1675.82072	0	196	7.135	7002.25822	0.08868779	0.02121935	4.03167581	0.33592798	0.0031263	0.00078664	0.18102745
8	7010.917313	8.84012536	3.75776076	8.7514487	9.46268916	0.09235962	8.65905526	7002.1657	1675.33075	0	191	7.133	7000.07542	0.08871049	0.02122478	4.03270767	0.33605897	0.0031263	0.00078684	0.18104995
9	7008.73448	8.8401052	3.75763415	8.75137049	9.46264117	0.09235915	8.65901134	6999.98311	1674.80850	0	186	7.131	6997.76144	0.08873471	0.02123057	4.03380881	0.33615073	0.0031263	0.00078706	0.18107395
10	7006.420449	8.84008153	3.75749983	8.75132488	9.46259185	0.09235867	8.65896621	6997.66912	1674.25486	0	181	7.129	6995.31992	0.08876042	0.02123672	4.03497743	0.33624842	0.0031263	0.00078729	0.18109943
11	7004.379885	8.84005664	3.75736719	8.75127807	9.46254414	0.09235817	8.65892291	6995.22791	1673.67071	0	176	7.126	6993.25443	0.08878794	0.02124302	4.03617389	0.33639296	0.0031263	0.00078753	0.18112625
12	7001.413354	8.84004624	3.75720785	8.75123011	9.46248938	0.09235767	8.65887244	6992.66212	1673.05689	0	171	7.123	6990.06846	0.08881613	0.02125005	4.03751021	0.33654918	0.0031263	0.00078778	0.18115465
13	6998.727328	8.8400271	3.75705259	8.75121803	9.46243631	0.09235715	8.65882388	6989.97615	1672.41425	0	167	7.121	6987.26536	0.08884607	0.02125722	4.03887104	0.33657259	0.0031263	0.00078805	0.18118432
14	6995.924187	8.8400082	3.75688942	8.75113086	9.46238206	0.09235662	8.65877424	6987.17306	1671.74358	0	162	7.118	6984.34845	0.08887734	0.0212647	4.04029269	0.33669106	0.0031263	0.00078832	0.18121532
15	6993.007223	8.83998956	3.75671951	8.75107964	9.46232668	0.09235608	8.65872356	6984.25614	1671.04569	0	157	7.115	6981.32091	0.08890092	0.02127249	4.0417362	0.33681447	0.0031263	0.00078861	0.18124761
16	6989.979636	8.83997117	3.75654504	8.75102774	9.46227079	0.09235553	8.65867187	6981.22861	1670.32132	0	154	7.112	6978.1858							

24	6713.088581	8.83931356	3.74005988	8.74714376	9.45807091	0.09231454	8.65482922	6704.34144	1604.07359	0	34	1	6.830	6698.41813	0.0921698	0.02205245	1.88996537	0.34916378	0.0931263	0.00081753	0.18447858	
50	1	6707.07263	8.83930779	3.73969469	8.74706505	9.45798581	0.09231371	8.65475134	1608.3259	1602.63432	0	33	1	6.824	6692.38474	0.09224274	0.02206699	1.9328102	0.34944008	0.0931263	0.00081817	0.18455087
	2	6701.09499	8.83930221	3.73932811	8.74686819	9.45790053	0.09231288	8.65467331	16892.2925	1601.19078	0	32	1	6.817	6686.33414	0.09231602	0.02208627	1.9366122	0.34971768	0.0931263	0.00081882	0.1846235
	3	6694.988815	8.83929681	3.73906209	8.74600718	9.45787151	0.09231204	8.65459513	1686.24191	1599.74312	0	32	1	6.811	6680.26698	0.09238063	0.02210505	1.93993861	0.34999655	0.0931263	0.00081948	0.18469646
	4	6688.925174	8.83929159	3.73859094	8.74682801	9.4577295	0.09231121	8.6545168	1680.17475	1598.29149	0	31	1	6.805	6674.18387	0.09246358	0.02212274	1.94033197	0.35027666	0.0931263	0.00082013	0.18476974
	5	6682.838384	8.83928655	3.73822042	8.74674871	9.45764375	0.09231037	8.65443833	1674.09164	1596.83606	0	30	1	6.799	6668.08541	0.09253784	0.02214051	1.94066959	0.3505058	0.0931263	0.00082079	0.18484335
	6	6676.739847	8.83928168	3.73784866	8.74666926	9.45755785	0.09230953	8.65435933	1667.99318	1595.37695	0	29	1	6.793	6661.97219	0.09261242	0.02215835	1.94100864	0.35084053	0.0931263	0.00082154	0.18491727
	7	6670.62655	8.839277	3.73747568	8.74658969	9.45747181	0.09230869	8.65428099	1661.87996	1593.91430	0	28	1	6.787	6655.84478	0.09268731	0.02217627	1.94134093	0.35112424	0.0931263	0.00082212	0.1849915
	8	6664.499651	8.83927249	3.73710152	8.74650998	9.45738525	0.09230785	8.65420413	1655.75855	1592.44827	0	28	1	6.780	6649.70373	0.09275091	0.02219466	1.94169931	0.35140911	0.0931263	0.00082278	0.18506603
	9	6658.357397	8.83926815	3.73673491	8.74643015	9.45729901	0.09230701	8.65412314	1649.61911	1590.97897	0	27	1	6.774	6643.56909	0.09282863	0.02221232	1.94201413	0.35169511	0.0931263	0.00082343	0.18514085
	10	6652.203715	8.83926399	3.736364978	8.74635019	9.45721285	0.09230617	8.65404403	1643.45737	1589.50653	0	26	1	6.768	6637.38288	0.0929138	0.02223046	1.94237865	0.35198222	0.0931263	0.00082413	0.18521567
	11	6646.036923	8.83926	3.73597226	8.74627012	9.45712627	0.09230532	8.65396468	1637.29065	1588.03109	0	26	1	6.761	6631.20411	0.09298988	0.02224866	1.94272451	0.35227043	0.0931263	0.0008248	0.18529138
	12	6640.858071	8.83925618	3.73559369	8.74618994	9.45703957	0.09230448	8.65388546	1631.11188	1586.55277	0	25	1	6.755	6625.01377	0.09306624	0.02226693	1.943071645	0.3525597	0.0931263	0.00082548	0.18536706
	13	6634.667657	8.83925252	3.73521408	8.74610965	9.45695925	0.09230363	8.65380602	1624.92155	1585.07167	0	24	1	6.749	6618.81236	0.09314288	0.02228527	1.943420044	0.35285004	0.0931263	0.00082616	0.18544302
	14	6627.466165	8.83924904	3.73483247	8.74602925	9.45686582	0.09230278	8.65372847	1618.72014	1583.58793	0	24	1	6.743	6612.60034	0.09321979	0.02230362	1.943769868	0.35314441	0.0931263	0.00082684	0.18551525
	15	6621.254067	8.83924572	3.73445188	8.74594875	9.4567787	0.09230193	8.65364682	1612.50812	1582.10165	0	23	1	6.738	6606.37817	0.09329697	0.02232213	1.944120547	0.35343379	0.0931263	0.00082753	0.18559575
	16	6615.031821	8.83924257	3.73406934	8.74586815	9.45669162	0.09230108	8.65356707	1606.28595	1580.61294	0	22	1	6.730	6600.14631	0.09337442	0.02234066	1.944472611	0.35372718	0.0931263	0.00082821	0.18567251
	17	6608.799873	8.83923958	3.73368587	8.74578745	9.45660437	0.09230023	8.65348723	1600.05409	1579.12191	0	22	1	6.724	6593.90517	0.09345212	0.02235926	1.94482583	0.35402154	0.0931263	0.0008289	0.18574952
	18	6602.58657	8.83923675	3.7333015	8.74570667	9.45651072	0.09229937	8.65340729	1593.81295	1577.62866	0	21	1	6.717	6587.65519	0.09353008	0.02237791	1.945180253	0.35431688	0.0931263	0.00082955	0.18582679
	19	6596.30897	8.83923408	3.73291626	8.74562579	9.45642957	0.09229852	8.65332727	1587.56297	1576.13303	0	21	1	6.711	6581.39678	0.09360829	0.02239662	1.94553793	0.35461316	0.0931263	0.00083029	0.18590431
	20	6590.050103	8.83923158	3.73253016	8.74554483	9.45634202	0.09229767	8.65324716	1581.30456	1574.63592	0	20	1	6.704	6575.13033	0.09368675	0.02241539	1.945892453	0.35491038	0.0931263	0.00083098	0.18598207
	21	6583.783576	8.83922923	3.73214233	8.74546378	9.45625439	0.09229681	8.65316697	1575.03811	1573.13662	0	20	1	6.698	6568.85624	0.09376545	0.02243422	1.946250215	0.35520851	0.0931263	0.00083168	0.18606007
	22	6577.509406	8.83922704	3.7317555	8.74538265	9.45616667	0.09229596	8.65308669	1568.76402	1571.63548	0	19	1	6.692	6562.57488	0.09384439	0.02245311	1.94660906	0.35550755	0.0931263	0.00083238	0.18613831
	23	6571.22797	8.839225	3.73136697	8.74530144	9.45607886	0.0922951	8.65300635	1562.48267	1570.13261	0	18	0	6.685	6556.28663	0.09392356	0.02247205	1.946968971	0.35580748	0.0931263	0.00083308	0.18621678
	24	6564.93638	8.83922312	3.73097768	8.74522016	9.45599097	0.09229424	8.65292592	1556.19442	1568.62809	0	18	0	6.679	6549.99184	0.09400226	0.02249105	1.947323991	0.35610828	0.0931263	0.00083379	0.18629548
51	1	6558.644769	8.8392214	3.73058765	8.745138	9.455903	0.09229338	8.65284542	1549.89963	1567.12201	0	18	0	6.672	6543.68087	0.09408259	0.02251011	1.947691932	0.35640994	0.0931263	0.00083449	0.1863744
	2	6552.343712	8.83921982	3.73019653	8.74505745	9.45581592	0.09229252	8.65276485	1543.59865	1565.61444	0	17	0	6.666	6537.46192	0.09416245	0.02252847	1.948059124	0.35671244	0.0931263	0.00083519	0.18645355
	3	6546.036806	8.8392184	3.73008653	8.74497588	9.45572684	0.09229166	8.65268442	1537.29183	1564.10548	0	17	0	6.660	6531.0717	0.09424252	0.02254837	1.948428935	0.35705788	0.0931263	0.00083591	0.18653291
	4	6539.724383	8.83921713	3.72941328	8.74489432	9.45563864	0.0922908	8.65260352	1530.97949	1562.59520	0	16	0	6.653	6524.75416	0.09432281	0.02256758	1.948783925	0.35731994	0.0931263	0.00083662	0.186621249
	5	6533.406763	8.839216	3.72902046	8.74481269	9.45555058	0.09228994	8.65252275	1524.66195	1561.08367	0	16	0	6.647	6518.43174	0.09440331	0.02258684	1.949149884	0.3576249	0.0931263	0.00083734	0.18669228
	6	6527.08426	8.83921503	3.72862699	8.744731	9.45546205	0.09228908	8.65244192	1518.33953	1559.57077	0	15	0	6.640	6512.10474	0.09448403	0.02260615	1.949516798	0.35793066	0.0931263	0.00083805	0.18677227
	7	6520.575718	8.8392142	3.72823289	8.74464925	9.45537366	0.09228822	8.65236104	1512.01253	1558.05718	0	15	0	6.634	6505.77345	0.09456494	0.02262551	1.94988465	0.35823721	0.0931263	0.00083877	0.18685247
	8	6514.425813	8.83921357	3.72783257	8.74456774	9.45528852	0.09228736	8.65228057	1505.68825	1556.54237	0	15	0	6.628	6499.454087	0.09464529	0.02264493	1.950253281	0.35854542	0.0931263	0.00083949	0.18693189
	9	6508.09455	8.83921297	3.72744287	8.74448558	9.45519668	0.09228649	8.65219909	1499.34979	1555.02659	0	14	0	6.621	6493.09918	0.09472739	0.02266437	1.95062312	0.3588526	0.0931263	0.00084021	0.18701348
	10	6501.751382	8.83921257	3.72704698	8.74440366	9.4551081	0.09228562	8.65211803	1493.00698	1553.50993	0	14	0	6.614	6486.75675	0.09480891	0.02268388	1.95099371	0.35916142	0.0931263	0.00084094	0.18709428
	11	6495.408868	8.83921231	3.72665052	8.74432168	9.45501947	0.09228476	8.65203692	1486.66455	1551.99425	0	13	0	6.608	6480.41114	0.09489063	0.02270343	1.951365185	0.35947099	0.0931263	0.00084166	0.18717527
	12	6489.061378	8.83921219	3.72625351	8.74423966	9.45493078	0.09228389	8.65195576	1480.31894	1550.47441	0	13	0	6.602	6474.06262	0.09497254	0.02272303	1.951737534	0.35978128	0.0931263	0.00084239	0.18725645
	13	6482.714571	8.83921192	3.72585403	8.74415745	9.45484203	0.09228303	8.65187455	1473.97041	1548.95527	0	13	0	6.595	6467.71147	0.09505643	0.02274267	1.952107147	0.36009278	0.0931263	0.0008431	0.18733792
	14	6476.363298	8.83921238	3.72545759	8.74407546	9.45475323	0.09228216	8.6517933	1467.61922	1547.43569	0	12	0	6.589	6461.35781	0.09513692	0.02276236	1.952484802	0.3604004	0.0931263	0.00084385	0.18741938
	15	6470.096062	8.83921267	3.72505933	8.74399328	9.45466438	0.09228129	8.65171199	1461.26561	1545.91553	0	12	0	6.582	6455.00201	0.09521939	0.02278209	1.95285968	0.36071642	0.0931263	0.00084458	0.18750111
	16	6463.653723	8.8392131	3.72466026	8.74391107	9.45457548	0.09228042	8.65163064	1454.90981	1544.39485	0	12	0	6.576	6448.64426	0.09530204	0.02280186	1.95323542	0.36102952	0.0931263	0.00084531	0.18758303
	17	6457.295891	8.83921367	3.72426072	8.743828																	

2	6096.848289	8.83943569	3.70100652	8.73908888	8.44936137	0.09222953	8.64685935	6088.1092	1456.63452	0	2	0	6.202	6081.97267	0.1003468	0.02400887	4.56168519	0.38014043	0.031263	0.00089006	0.19258305
3	6090.619526	8.8394442	3.70059389	8.73904099	8.44927066	0.09222865	8.64677634	6081.88052	1455.14426	0	2	0	6.196	6075.7486	0.10043741	0.02403055	4.56580403	0.38048367	0.031263	0.00089086	0.19267285
4	6084.395376	8.83944919	3.70081118	8.73892107	8.44917992	0.09222776	8.6466931	6075.65646	1453.65509	0	2	0	6.189	6068.52919	0.10052812	0.02402525	4.56995276	0.38087731	0.031263	0.00089161	0.19276276
5	6078.175881	8.83945607	3.69974584	8.73883721	8.44908915	0.09222588	8.64650125	6069.43704	1452.16704	0	2	0	6.183	6063.11447	0.10061894	0.02407398	4.57405623	0.38117136	0.031263	0.00089247	0.19285277
6	6071.961081	8.83946302	3.69953556	8.73875316	8.44899836	0.09222599	8.64652717	6063.22233	1450.68012	0	2	0	6.177	6057.10440	0.10070787	0.02409574	4.57818977	0.38155181	0.031263	0.00089328	0.19294289
7	6065.751014	8.83947006	3.69894265	8.73866916	8.44890753	0.0922251	8.64644406	6057.01234	1449.19432	0	2	0	6.170	6050.89927	0.1008009	0.02411752	4.58232802	0.38186067	0.031263	0.00089408	0.19303312
8	6059.545718	8.83947717	3.69852968	8.73858514	8.44881658	0.09222422	8.64636092	6050.80713	1447.70967	0	2	0	6.164	6044.69887	0.10089204	0.02413932	4.58467105	0.38225092	0.031263	0.00089489	0.19312345
9	6053.345228	8.83948437	3.69811664	8.73850109	8.44872538	0.09222333	8.64627776	6044.60673	1446.22617	0	2	0	6.158	6038.5033	0.10098328	0.02416115	4.59061887	0.38255157	0.031263	0.00089597	0.19321388
10	6047.149682	8.83948834	3.69773955	8.73841701	8.44863494	0.09222244	8.64619457	6038.50716	1444.74382	0	2	0	6.151	6032.31262	0.10107463	0.02418301	4.59477474	0.38289762	0.031263	0.00089661	0.19330442
11	6040.958811	8.83949809	3.69737041	8.73833291	8.44854395	0.09222155	8.64611136	6032.22048	1443.26265	0	2	0	6.145	6026.12684	0.10116608	0.02420489	4.59892873	0.38324406	0.031263	0.00089731	0.19339506
12	6034.77295	8.83950641	3.69687721	8.73824878	8.44845298	0.09222067	8.64602811	6026.03477	1441.78264	0	2	0	6.139	6019.9346	0.10125763	0.02422679	4.60300078	0.38359509	0.031263	0.00089813	0.19348588
13	6028.592031	8.83951391	3.69646396	8.73816462	8.44836199	0.09221978	8.64594484	6019.85387	1440.30382	0	2	0	6.132	6013.77014	0.10134929	0.02424872	4.60725751	0.38393813	0.031263	0.00089895	0.19357655
14	6022.416083	8.83952149	3.69605066	8.73808043	8.44827096	0.09221889	8.64586154	6013.678	1438.82619	0	2	0	6.126	6007.59928	0.10144105	0.02427068	4.61142894	0.38428574	0.031263	0.00089976	0.19366759
15	6016.245139	8.83952914	3.69563732	8.73799622	8.4481799	0.092218	8.64577821	6007.50714	1437.34976	0	2	0	6.120	6001.43345	0.10153292	0.02429266	4.61560503	0.38463375	0.031263	0.00090058	0.19375864
16	6010.079225	8.83953666	3.69522394	8.73791277	8.44808881	0.09221711	8.64569486	6001.34131	1435.87453	0	2	0	6.114	5995.27268	0.10162489	0.02431466	4.61978578	0.38498215	0.031263	0.00090139	0.19384988
17	6003.91371	8.83954466	3.69481051	8.7378277	8.44799769	0.09221622	8.64561148	5995.18025	1434.40051	0	2	0	6.107	5989.11699	0.10171696	0.02433669	4.62397117	0.38533303	0.031263	0.00090221	0.19394105
18	5997.76204	8.83955253	3.69439704	8.7377434	8.44790653	0.09221533	8.64552807	5989.02486	1432.92771	0	2	0	6.101	5982.96642	0.10180913	0.02435874	4.62816119	0.3856801	0.031263	0.00090303	0.1940324
19	5991.61195	8.83956047	3.69398354	8.73765907	8.44781535	0.09221444	8.64544463	5982.87429	1431.45613	0	2	0	6.095	5976.82099	0.1019014	0.02438082	4.63235581	0.38602965	0.031263	0.00090384	0.19412386
20	5985.46434	8.83956848	3.69356999	8.73757471	8.44772413	0.09221355	8.64536116	5976.72886	1429.98578	0	2	0	6.089	5970.68072	0.10199377	0.02440292	4.63655503	0.38637959	0.031263	0.00090466	0.19421541
21	5979.326082	8.83957657	3.69315642	8.73749032	8.44763288	0.09221266	8.64527766	5970.58859	1428.51667	0	2	0	6.082	5964.54564	0.10208625	0.02442505	4.64075884	0.38672799	0.031263	0.00090548	0.19430706
22	5973.190916	8.83958472	3.69274281	8.7374059	8.44754516	0.09221177	8.64519413	5964.45351	1427.04879	0	1	0	6.076	5958.41577	0.10217882	0.0244472	4.64496721	0.3870806	0.031263	0.00090631	0.19439882
23	5967.06096	8.83959295	3.69232918	8.73732145	8.44745029	0.09221088	8.64511057	5958.32364	1425.58217	0	1	0	6.070	5952.29113	0.1022715	0.02446937	4.64918014	0.38743168	0.031263	0.00090713	0.19449067
24	5960.936236	8.83960124	3.69191551	8.73723697	8.44735894	0.09220999	8.64502698	5952.199	1424.11679	0	1	0	6.064	5946.17174	0.10236427	0.02449157	4.65339762	0.38778314	0.031263	0.00090795	0.19458262
55	5954.816766	8.8396096	3.69150882	8.73715246	8.44726756	0.0922091	8.64493436	5946.07961	1422.65268	0	1	0	6.057	5940.05763	0.10245715	0.02451379	4.65761963	0.38813497	0.031263	0.00090877	0.19467467
1	5948.702571	8.83961803	3.69101881	8.73706791	8.44717615	0.09220822	8.64485971	5939.965	1421.18982	0	1	0	6.051	5933.94881	0.10255012	0.02453603	4.66184616	0.38848718	0.031263	0.00090996	0.19476682
2	5942.593669	8.83962633	3.69067437	8.73698334	8.4470847	0.09220731	8.64478673	5933.86669	1419.72823	0	1	0	6.045	5927.84531	0.10264319	0.02455831	4.66597712	0.38883977	0.031263	0.00091042	0.19485407
3	5936.490081	8.83963463	3.69028641	8.73689931	8.44699211	0.09220642	8.64469921	5927.75318	1418.26793	0	1	0	6.039	5921.74012	0.10273517	0.02458059	4.67012737	0.38919273	0.031263	0.00091122	0.19494512
5	5930.391826	8.83964373	3.68984683	8.73681409	8.44690071	0.09220553	8.64460857	5921.65501	1416.80087	0	1	0	6.032	5915.64531	0.10282864	0.02460281	4.67455278	0.38954606	0.031263	0.00091208	0.19504386
6	5924.298921	8.83965243	3.68943303	8.73672942	8.44681014	0.09220463	8.64452479	5915.56219	1415.35111	0	1	0	6.026	5909.56686	0.10292301	0.02462525	4.67879729	0.38989977	0.031263	0.00091291	0.1951364
7	5918.211384	8.83966119	3.68901921	8.73664472	8.44671855	0.09220374	8.64444098	5909.47474	1413.89463	0	1	0	6.020	5903.48479	0.10301647	0.02464761	4.68304627	0.39025386	0.031263	0.00091374	0.19522904
8	5912.129232	8.83967002	3.68860538	8.73655998	8.44662699	0.09220284	8.64435713	5903.39267	1412.43944	0	1	0	6.014	5897.40812	0.10311004	0.02467	4.68729971	0.39060831	0.031263	0.00091457	0.19532178
9	5906.05248	8.83967891	3.68819153	8.73647521	8.44653527	0.09220195	8.64427326	5897.315	1410.98555	0	1	0	6.008	5891.33687	0.1032037	0.02469241	4.6915576	0.39096313	0.031263	0.00091554	0.19541461
10	5899.981144	8.83968772	3.68777976	8.73639208	8.44644357	0.09220105	8.64418935	5891.24475	1409.53295	0	1	0	6.002	5885.26922	0.10329673	0.02471484	4.69581993	0.39131833	0.031263	0.00091637	0.19550754
11	5893.91524	8.83969689	3.6873638	8.73630556	8.44635183	0.09220016	8.6441054	5885.17893	1408.08164	0	1	0	5.995	5879.21068	0.10339133	0.0247373	4.70008669	0.39167389	0.031263	0.00091706	0.19560057
12	5887.854781	8.83970597	3.68694992	8.73622069	8.44626006	0.09219926	8.64402142	5879.11856	1406.63165	0	1	0	5.989	5873.15576	0.10348528	0.02475978	4.70435788	0.39202892	0.031263	0.00091789	0.19569369
13	5881.799782	8.83971511	3.68653602	8.73613578	8.44616825	0.09219837	8.64393741	5873.06365	1405.18295	0	1	0	5.983	5867.10632	0.10357934	0.02478228	4.7086349	0.39238612	0.031263	0.00091873	0.19578691
14	5875.750256	8.83972432	3.68612213	8.73605084	8.4460764	0.09219747	8.64385336	5867.01421	1403.73557	0	1	0	5.977	5861.06236	0.10367349	0.02480481	4.71291351	0.39274279	0.031263	0.00091956	0.19588023
15	5869.706216	8.83973358	3.68570852	8.73596592	8.44598452	0.09219657	8.64376938	5860.96026	1402.28956	0	1	0	5.971	5855.01967	0.10376773	0.02482732	4.71717093	0.39309893	0.031263	0.00092039	0.19597368
16	5863.667673	8.83974292	3.68529431	8.73588084	8.44589259	0.09219568	8.64368516	5854.93179	1400.84474	0	1	0	5.964	5849.9096	0.10386208	0.02484993	4.72184675	0.39345723	0.031263	0.00092124	0.19606714
17	5857.634641	8.83975231	3.68488039	8.73579579	8.44580063	0.09219478	8.64360101	5848.89885	1399.40131	0	1	0	5.958	5843.26353	0.10395652	0.02487253	4.72577995	0.393815	0.031263	0.00092207	0.19616075
18	5851.60713	8.83976176	3.68446647	8.7357107	8.44570863	0.09219388	8.64351682	5842.87142	1397.95919	0	1	0	5.952	5836.94163	0.10405106	0.02489514	4.73007754	0.39417313	0.031263	0.00092291	0.19625445
19	5845.585152	8.83977127	3.68405255	8.73562558	8.44561658	0.09219298	8.64343259	5836.84953	1396.51840	0	1	0	5.946	5830.92528	0.10414569	0.02491779	4.73437951	0.39453163	0.031263	0.00092375	0.19634824
20	5839.568716	8.83978084	3.683																		

4	7042.804026	8.83989418	3.75963586	8.75154161	9.4628262	0.09236096	8.65918066	7034.14248	1682.98144	0	1463	39	7.166	7065.67732	0.08835256	0.02113914	4.01643665	0.33470305	0.031263	0.00078367	0.1806952
5	7040.336504	8.83987585	3.7614626	8.75187042	9.46318173	0.09236443	8.65950509	7065.58463	1690.50425	0	1424	38	7.128	7096.06349	0.08800544	0.02105609	4.00065648	0.33338804	0.031263	0.00078059	0.18035115
6	7104.722995	8.83985714	3.76322119	8.75218444	9.46352128	0.09236774	8.6598167	7095.97081	1697.77442	0	1386	37	7.229	7125.42185	0.0876727	0.02096748	3.98553038	0.33217753	0.031263	0.00077674	0.18002136
7	7134.081658	8.83983806	3.76491398	8.75248633	9.46384654	0.09237109	8.66011347	7125.32918	1704.79867	0	1350	36	7.259	7153.79842	0.08735373	0.02090615	3.97103031	0.33091919	0.031263	0.00077481	0.17970522
8	7162.439043	8.83981865	3.76654326	8.7527707	9.46415518	0.09237393	8.66039677	7153.68717	1711.58357	0	1314	35	7.288	7181.16412	0.08704795	0.020827	3.95712987	0.32976082	0.031263	0.0007721	0.17940215
9	7189.82452	8.83979893	3.76791112	8.75300412	9.46445082	0.09237681	8.66066731	7181.07148	1718.13551	0	1278	34	7.315	7207.60072	0.08675481	0.02075686	3.94380394	0.32860393	0.031263	0.0007695	0.17911161
10	7216.261386	8.83977892	3.76961899	8.75305313	9.46473305	0.09237957	8.66092557	7207.50808	1724.46071	0	1245	33	7.342	7233.11492	0.086467378	0.02068963	3.93102882	0.32758573	0.031263	0.0007667	0.17883308
11	7241.775845	8.83975865	3.77107133	8.75355427	9.46500243	0.0923822	8.66117207	7233.02229	1730.56521	0	1212	32	7.368	7257.73136	0.08620438	0.02062517	3.91878204	0.32656517	0.031263	0.00076462	0.17856607
12	7266.992529	8.83973814	3.77246742	8.753792	9.46525949	0.09238471	8.6614073	7257.63874	1736.45491	0	1180	31	7.393	7281.47401	0.08604613	0.02056338	3.90704229	0.32556803	0.031263	0.00076232	0.17831011
13	7290.135419	8.83971784	3.77380274	8.75408381	9.46550474	0.0923871	8.66163112	7281.3814	1742.13556	0	1149	30	7.419	7305.16601	0.08589459	0.02050415	3.89579934	0.32456411	0.031263	0.00076007	0.17806477
14	7313.02786	8.83969648	3.77510009	8.75425314	9.46573865	0.09238938	8.66184576	7304.27363	1747.61273	0	1119	30	7.441	7326.43074	0.08564134	0.02044739	3.88500404	0.32357504	0.031263	0.00075802	0.17782962
15	7335.092581	8.83967538	3.77634175	8.7544414	9.46599167	0.09239156	8.66204985	7326.33814	1752.89186	0	1089	29	7.463	7347.68966	0.085433297	0.02039299	3.87466811	0.32288801	0.031263	0.00075601	0.17760427
16	7356.351707	8.83965411	3.77753419	8.754638	9.46617425	0.09239363	8.66224437	7347.59707	1757.97825	0	1060	28	7.485	7368.16454	0.08520161	0.02034086	3.8647642	0.32206368	0.031263	0.00075408	0.17738834
17	7376.82678	8.83963271	3.7786798	8.75482532	9.46637679	0.09239561	8.66242971	7368.07195	1762.87705	0	1032	27	7.506	7387.87634	0.08504739	0.02029093	3.85527584	0.32127299	0.031263	0.00075222	0.17718147
18	7396.53877	8.83961117	3.77979809	8.75500371	9.46656968	0.09239749	8.66260622	7387.78377	1767.59328	0	1005	27	7.526	7405.84549	0.084849746	0.02024309	3.8461873	0.32051561	0.031263	0.00075045	0.17698331
19	7415.508094	8.83959053	3.78082651	8.75517553	9.46677533	0.09239929	8.66277424	7406.75292	1772.13181	0	978	26	7.545	7425.09185	0.0846416	0.02019728	3.83748564	0.31979703	0.031263	0.00074875	0.17679355
20	7433.754621	8.83956797	3.78185045	8.7553531	9.46692801	0.09240099	8.66293411	7424.99929	1776.49742	0	952	25	7.564	7442.63477	0.084423269	0.02015342	3.82915058	0.31905988	0.031263	0.00074713	0.17661187
21	7451.297706	8.83954598	3.78282326	8.75548874	9.46709413	0.09240261	8.66308613	7442.54222	1780.69472	0	927	25	7.582	7459.4931	0.084205724	0.02011144	3.82117454	0.31843121	0.031263	0.00074557	0.17643797
22	7468.156185	8.8395241	3.78376523	8.75563475	9.46725201	0.09240415	8.66323059	7459.40055	1784.72823	0	903	24	7.599	7475.68516	0.08398935	0.02007128	3.81354253	0.31779521	0.031263	0.00074408	0.17627157
23	7484.348394	8.83950216	3.78465061	8.75577341	9.46740193	0.09240562	8.66336779	7475.59262	1788.60233	0	879	23	7.615	7491.22882	0.08378276	0.02003285	3.80624217	0.31718685	0.031263	0.00074266	0.17611224
24	7499.892188	8.83948019	3.78550759	8.75590409	9.46754421	0.092407	8.66349799	7491.13628	1792.32129	0	856	23	7.631	7506.14145	0.0835352	0.01996611	3.79926163	0.31660514	0.031263	0.0007413	0.17596021
1	7514.804046	8.83945819	3.78632835	8.75602976	9.46767913	0.09240832	8.66362144	7506.04892	1795.88927	0	833	22	7.646	7520.3997	0.08324823	0.019961	3.79258959	0.31604013	0.031263	0.00073999	0.17581474
2	7529.103588	8.83943618	3.78711398	8.75614797	9.46780694	0.09240957	8.6637384	7520.34744	1799.31032	0	811	21	7.661	7534.14085	0.08328821	0.01992745	3.78621525	0.31551794	0.031263	0.00073875	0.17567576
3	7542.804587	8.83941416	3.78786558	8.75625985	9.46792792	0.09241075	8.6638491	7534.04833	1802.58838	0	789	21	7.675	7547.26013	0.08315431	0.01989541	3.78012827	0.31501069	0.031263	0.00073756	0.17554305
4	7555.923977	8.83939215	3.78858419	8.75636564	9.4680423	0.09241187	8.66395377	7547.16761	1805.72728	0	769	20	7.688	7559.81342	0.08302651	0.01986484	3.77431873	0.31452656	0.031263	0.00073643	0.17541639
5	7568.477373	8.83937016	3.78927079	8.75646555	9.46815035	0.09241292	8.66402563	7559.72091	1808.73077	0	748	20	7.701	7571.81592	0.08290671	0.01983567	3.76877717	0.31404674	0.031263	0.00073535	0.17529557
6	7580.4797	8.83934819	3.78992452	8.75655979	9.4682523	0.09241403	8.66414547	7571.72341	1811.60248	0	727	19	7.713	7584.16601	0.08278491	0.01980787	3.76344045	0.31356245	0.031263	0.00073427	0.17518039
7	7591.945656	8.83932626	3.79055185	8.75664856	9.46834822	0.09241485	8.66423181	7583.18992	1814.34594	0	709	19	7.725	7594.22732	0.08267261	0.01978138	3.75846022	0.31302517	0.031263	0.00073333	0.17507067
8	7602.891564	8.83930438	3.79114814	8.75673206	9.4684385	0.09241573	8.66431633	7594.13483	1816.96461	0	690	18	7.736	7604.66467	0.08257232	0.01975617	3.75367138	0.31280595	0.031263	0.0007324	0.17496622
9	7613.328988	8.83928255	3.79171611	8.75681047	9.46852328	0.09241656	8.66439391	7604.57218	1819.46184	0	672	18	7.747	7614.6081	0.08247208	0.01973218	3.74911459	0.31242622	0.031263	0.00073151	0.17486687
10	7623.272489	8.83926078	3.79225611	8.75688396	9.46860729	0.09241734	8.66446662	7614.51561	1821.84089	0	654	17	7.757	7624.07089	0.08237682	0.01970939	3.74478396	0.31206533	0.031263	0.00073067	0.17477255
11	7632.735558	8.83923908	3.79277044	8.75696271	9.46869705	0.09241806	8.66453465	7623.97814	1824.10495	0	637	17	7.767	7633.066	0.08228636	0.01968775	3.74067212	0.31172268	0.031263	0.00072986	0.1746828
12	7641.730512	8.83921745	3.79325611	8.75704167	9.46878464	0.09241878	8.66459862	7633.97522	1826.2571	0	620	17	7.777	7641.65061	0.08219274	0.01966719	3.73657198	0.31139756	0.031263	0.00072907	0.17459167
13	7650.276068	8.83919591	3.79372125	8.75707663	9.46888108	0.09241937	8.66465726	7641.51533	1828.30039	0	604	16	7.784	7649.70319	0.08211928	0.01964777	3.73203675	0.31108973	0.031263	0.00072838	0.1745127
14	7658.367848	8.83917446	3.79415973	8.7571321	9.46888706	0.09241996	8.66471215	7649.60712	1830.23771	0	588	16	7.793	7657.36948	0.08204236	0.01962937	3.72957988	0.31079832	0.031263	0.00072777	0.17444066
15	7666.03419	8.83915311	3.79457454	8.75718345	9.46892658	0.0924205	8.66476295	7657.27701	1832.07194	0	572	15	7.801	7664.61649	0.08196066	0.01961197	3.7262751	0.31052293	0.031263	0.00072705	0.17436891
16	7673.812155	8.83913186	3.79466637	8.7572308	9.46896778	0.092421	8.66480768	7664.52402	1833.80585	0	557	15	7.808	7671.45555	0.08190106	0.01959556	3.72315636	0.31026203	0.031263	0.00072645	0.17430091
17	7680.120357	8.83911072	3.79475939	8.75727243	9.46899241	0.09242146	8.66485252	7671.36308	1835.44216	0	542	14	7.815	7678.80548	0.08183542	0.01957964	3.72007201	0.31000452	0.031263	0.00072581	0.17423485
18	7686.56251	8.83909069	3.79568376	8.75731407	9.46900782	0.09242188	8.66489322	7677.8052	1836.98349	0	528	14	7.821	7686.93535	0.08177562	0.01956555	3.71745393	0.30978789	0.031263	0.00072533	0.17417659
19	7692.618438	8.83906878	3.79601058	8.75735024	9.46910693	0.09242226	8.66492799	7683.86109	1838.43242	0	514	14	7.828	7694.94813	0.08166507	0.0195391	3.71422866	0.30960365	0.031263	0.00072495	0.17406702
20	7698.298578	8.839048	3.79631697	8.75738293	9.46914227	0.0924226	8.66496033	7689.5412	1839.79144	0	500	13	7.833	7699.90689	0.0816151	0.01952714	3.71051709	0.30917976	0.031263	0.00072391	0.17401749
21	7703.613094	8.83902735	3.79660352	8.75741224	9.46917397	0.09242291	8.66498933	7694.85568	1841.06297	0	487	13	7.844	7704.51955	0.08156853						

6	7632.39448	8.83814	3.79280339	8.75585953	9.46749506	0.09240652	8.663453	7623.63862	1824.02366	0	106	3	7.766	7618.66787	0.08228047	0.01968634	3.74004033	0.31170036	0.0931263	0.00072981	0.17467696
7	7627.331324	8.83812997	3.79252953	8.75580131	9.4674321	0.09240591	8.66339539	7618.57552	1822.81227	0	103	3	7.761	7613.53597	0.08232866	0.01969787	3.74259496	0.31188291	0.0931263	0.00073024	0.17472473
8	7622.199362	8.83812012	3.79252176	8.75574255	9.46739857	0.09240529	8.66333726	7613.44362	1821.58441	0	100	3	7.756	7608.33728	0.08237757	0.01970957	3.74481826	0.31206819	0.0931263	0.00073067	0.17477372
9	7617.000211	8.83811046	3.7919702	8.75568128	9.46730448	0.09240466	8.66327861	7608.2494	1820.34058	0	97	3	7.751	7603.0738	0.08242718	0.01972344	3.74707349	0.31225612	0.0931263	0.00073111	0.17482237
10	7611.737074	8.83810098	3.79168493	8.75562651	9.46723985	0.09240403	8.66321297	7602.98145	1819.08124	0	95	3	7.745	7597.74742	0.08247748	0.01973347	3.74935988	0.31244666	0.0931263	0.00073156	0.17487222
11	7606.410641	8.83809169	3.79139607	8.75563235	9.4671747	0.0924034	8.66315985	7597.65508	1817.80686	0	92	2	7.740	7592.36003	0.08252844	0.01974567	3.75167673	0.31263973	0.0931263	0.00073201	0.17492273
12	7601.023193	8.83808259	3.79110337	8.75550252	9.46710904	0.09240276	8.66309977	7592.26769	1816.51788	0	90	2	7.734	7586.91345	0.08258006	0.01975802	3.75402332	0.31283528	0.0931263	0.00073247	0.17497389
13	7595.57655	8.83807366	3.79080791	8.75544134	9.46704288	0.09240211	8.66303923	7586.82111	1815.21474	0	88	2	7.729	7581.40944	0.08263232	0.01977052	3.75639899	0.31303325	0.0931263	0.00073293	0.17502569
14	7590.072483	8.83806492	3.79050881	8.75537971	9.46697625	0.09240146	8.66297825	7581.3171	1813.89786	0	86	2	7.723	7575.84974	0.08268552	0.01978317	3.75880395	0.31323359	0.0931263	0.00073334	0.17507801
15	7584.512717	8.83805616	3.79020469	8.75531766	9.46690915	0.09240081	8.66291818	7575.75124	1812.56765	0	83	2	7.717	7570.34601	0.08273887	0.01979597	3.76121487	0.31343624	0.0931263	0.00073386	0.17513117
16	7578.89893	8.83804798	3.78990097	8.75525519	9.46684616	0.09240015	8.66285504	7570.14368	1811.22451	0	81	2	7.712	7564.5659	0.08279279	0.01980801	3.76360382	0.31364115	0.0931263	0.00073438	0.17518474
17	7573.232758	8.83803978	3.7895924	8.75519231	9.46677361	0.09239948	8.66279283	7564.47757	1809.86885	0	79	2	7.706	7558.853	0.08284746	0.019822	3.76617928	0.31384827	0.0931263	0.00073484	0.17523893
18	7567.515791	8.83803176	3.78928085	8.75512908	9.4667052	0.09239882	8.66273023	7558.76806	1808.50103	0	77	2	7.700	7553.08685	0.08290271	0.01983521	3.76860605	0.31405755	0.0931263	0.00073533	0.17529368
19	7561.749577	8.83802391	3.7889664	8.7550654	9.46663638	0.09239814	8.66266726	7552.99451	1807.12142	0	75	2	7.694	7547.27296	0.08295851	0.01984857	3.77122736	0.31426805	0.0931263	0.00073583	0.17534899
20	7555.935624	8.83801524	3.78864911	8.75500138	9.46656717	0.09239747	8.66260392	7547.18062	1805.73940	0	73	2	7.688	7541.4279	0.08301486	0.01986205	3.77378885	0.3144824	0.0931263	0.00073632	0.17540483
21	7550.075398	8.83800875	3.78833906	8.75493701	9.46649756	0.09239679	8.66254022	7541.32046	1804.32830	0	71	2	7.682	7535.50779	0.08307174	0.01987504	3.77637455	0.31469788	0.0931263	0.00073683	0.17545611
22	7544.170328	8.83800143	3.78800633	8.7548723	9.46642759	0.09239611	8.66247419	7535.41546	1802.91548	0	69	2	7.676	7529.55933	0.08312914	0.01988839	3.77898395	0.31491533	0.0931263	0.00073734	0.1755181
23	7538.221804	8.83799429	3.78768099	8.75480724	9.46635724	0.09239542	8.66241182	7529.467	1801.49225	0	67	2	7.670	7523.56877	0.08318705	0.01990324	3.78161651	0.31513471	0.0931263	0.00073785	0.17557555
24	7532.321179	8.83798732	3.7873531	8.75474186	9.46628555	0.09239473	8.66234713	7523.47644	1800.05896	0	65	2	7.664	7517.53742	0.08324546	0.01991722	3.78427174	0.31535598	0.0931263	0.00073837	0.17563393
25	7526.199771	8.83798052	3.78702273	8.75467617	9.46621552	0.09239404	8.66228213	7517.44509	1798.61591	0	63	2	7.658	7511.46658	0.08330435	0.01993131	3.78694913	0.31557909	0.0931263	0.00073889	0.17569176
26	7520.12886	8.83797380	3.78676095	8.75461017	9.46614415	0.09239334	8.66221683	7511.37425	1797.16340	0	62	2	7.652	7505.35748	0.08336373	0.01994552	3.7896482	0.31580402	0.0931263	0.00073942	0.17575061
27	7514.019697	8.83796744	3.78643483	8.75454387	9.46607247	0.09239264	8.66215213	7505.26515	1795.70175	0	60	2	7.646	7499.21134	0.08342357	0.01995983	3.7923685	0.31603071	0.0931263	0.00073995	0.17580992
28	7507.873494	8.83796115	3.78610741	8.75447728	9.46600047	0.09239194	8.66208535	7499.11902	1794.23123	0	59	2	7.639	7493.02935	0.08348387	0.01997426	3.79510956	0.31625913	0.0931263	0.00074048	0.17586968
29	7501.691435	8.83795503	3.78576777	8.75441042	9.46592817	0.09239123	8.66201919	7492.93702	1792.75213	0	57	2	7.633	7486.81265	0.08354561	0.01998879	3.79787095	0.31648825	0.0931263	0.00074102	0.17592989
30	7495.474671	8.83794907	3.78543596	8.75434328	9.46585558	0.09239052	8.66195276	7486.72033	1791.26473	0	56	1	7.627	7480.56237	0.08360579	0.02000343	3.80065222	0.31672102	0.0931263	0.00074157	0.17599053
31	7489.242421	8.83794329	3.78492055	8.75427588	9.4657827	0.09238981	8.66188607	7480.47004	1789.76930	0	54	1	7.620	7474.27959	0.08366674	0.02001817	3.80345296	0.31695441	0.0931263	0.00074211	0.17605199
32	7482.941476	8.83793751	3.78440623	8.75420823	9.46570955	0.09238911	8.66181818	7474.1877	1788.26609	0	53	1	7.614	7468.26154	0.08372943	0.02003294	3.80627124	0.31718894	0.0931263	0.00074266	0.17610307
33	7476.627182	8.8379322	3.7842891	8.75414033	9.46563613	0.09238838	8.66175055	7467.87306	1786.75535	0	51	1	7.608	7461.62077	0.08379187	0.02004795	3.8091122	0.31742594	0.0931263	0.00074322	0.17616495
34	7470.282519	8.83792691	3.78394817	8.75407219	9.46556246	0.09238766	8.66168453	7461.52845	1785.23735	0	50	1	7.601	7455.24676	0.08385471	0.02006299	3.81196796	0.317664	0.0931263	0.00074377	0.17623724
35	7463.08445	8.83792177	3.78359635	8.75400382	9.46548853	0.09238694	8.66161688	7455.15444	1783.71231	0	49	1	7.595	7448.8434	0.08391795	0.02007812	3.81484259	0.31790355	0.0931263	0.00074434	0.17629991
36	7457.505955	8.8379168	3.78324268	8.75393923	9.46541436	0.09238622	8.66154901	7448.75202	1782.18047	0	47	1	7.588	7442.41445	0.08398157	0.02009334	3.81777345	0.31814456	0.0931263	0.00074497	0.17636297
37	7451.076002	8.83791198	3.78288722	8.75386642	9.46533995	0.09238549	8.66148093	7442.32214	1780.64027	0	46	1	7.582	7435.59804	0.08404557	0.02010865	3.82064408	0.31838701	0.0931263	0.00074549	0.1764264
38	7444.639512	8.83790719	3.78253113	8.75379719	9.46526532	0.09238476	8.66141294	7436.23521	1779.09731	0	44	1	7.576	7428.78158	0.08410954	0.02012392	3.82351021	0.31863805	0.0931263	0.00074602	0.17648902
39	7438.137388	8.83790283	3.78212108	8.75372816	9.46519046	0.09238403	8.66134413	7429.38366	1777.54642	0	42	1	7.568	7422.06916	0.08417467	0.02013954	3.82651286	0.31887607	0.0931263	0.00074661	0.17655436
40	7431.630508	8.83789849	3.7818105	8.75365873	9.46511539	0.0923833	8.66127543	7422.87685	1775.98961	0	41	1	7.562	7416.43845	0.08423975	0.02015511	3.82947163	0.31912264	0.0931263	0.00074719	0.17666188
41	7425.099728	8.8378943	3.78144831	8.75358911	9.46504011	0.09238256	8.66120655	7416.36414	1774.47208	0	40	1	7.555	7409.88467	0.08430519	0.02017077	3.83244614	0.31937052	0.0931263	0.00074777	0.17676837
42	7418.54588	8.83789027	3.78108454	8.7535193	9.46496463	0.09238183	8.66113748	7409.79236	1772.85903	0	39	1	7.548	7403.30681	0.08437096	0.02018651	3.83543635	0.31961397	0.0931263	0.00074835	0.176874891
43	7411.969772	8.83788618	3.78072807	8.75344967	9.46488985	0.0923811	8.66106823	7402.71232	1771.28656	0	38	1	7.542	7396.71141	0.08443578	0.02020229	3.83841612	0.31985194	0.0931263	0.00074894	0.17698144
44	7405.372195	8.83788266	3.78035245	8.75337915	9.46481308	0.09238035	8.66099988	7396.61882	1769.70714	0	37	1	7.535	7390.09292	0.08450151	0.02021822	3.84146191	0.32012183	0.0931263	0.00074953	0.1768029
45	7398.753014	8.83787909	3.7799842	8.75330881	9.46473703	0.09237961	8.66092921	7390.00061	1768.12367	0	36	1	7.528	7383.45475	0.08457027	0.02023419	3.84446766	0.32037473	0.0931263	0.00075012	0.17696465
46	7392.115677	8.83787566	3.77961455	8.75323831	9.46466085	0.09237886	8.66085945	7383.36244	1766.53543	0	35	1	7.521	7376.79735	0.08463735	0.02025024	3.84745494	0.32062883	0.0931263	0.00075072	0.17701293
47	7385.458211	8.83787239	3.77924352	8.75316765	9.46458484	0.09237812	8.66078954	7376.70504	1764.94259	0	34	1	7.515	7370.12143	0.08470473	0.02026636	3.85060919	0.32			

8	6990.592212	8.83799929	3.75667491	8.74898103	9.4600575	0.09233393	8.6566471	6981.84323	1670.46838	0	8	7.112	6974.9327	0.08891826	0.02127449	4.04215286	0.33684607	0.0031263	0.00078869	0.18125588
9	6983.589344	8.83790297	3.75626436	8.74890593	9.4599763	0.09233314	8.65657279	6974.84044	1668.79289	0	7	7.105	6967.9317	0.08897705	0.02129334	4.04573429	0.33714452	0.0031263	0.00078939	0.18133396
10	6976.588268	8.83790675	3.75585834	8.74833079	9.45899506	0.09232325	8.65649845	6967.83944	1667.11784	0	7	7.098	6960.93262	0.08897596	0.02131222	4.04932159	0.33744437	0.0031263	0.00079009	0.18141217
11	6969.589123	8.83791062	3.75544247	8.74755562	9.45981378	0.09232155	8.65642407	6960.84027	1665.44325	0	7	7.091	6953.93562	0.0889155	0.02133113	4.05291468	0.33774389	0.0031263	0.00079079	0.18149051
12	6962.590245	8.83791458	3.75503114	8.74686804	9.45973246	0.09232076	8.65639466	6953.84336	1663.76916	0	7	7.084	6946.94082	0.08892346	0.02135007	4.05651353	0.33804279	0.0031263	0.00079149	0.18156898
13	6955.597166	8.83791864	3.75461957	8.74596511	9.45962111	0.09232996	8.65627522	6946.84856	1662.09559	0	7	7.077	6939.94834	0.08891346	0.02136904	4.06011807	0.33834317	0.0031263	0.00079219	0.18164757
14	6948.604614	8.83792278	3.75420777	8.74852991	9.45956977	0.09232917	8.65620074	6939.85608	1660.42528	0	6	7.070	6932.95831	0.08893287	0.02138804	4.06372825	0.33864402	0.0031263	0.00079292	0.18172628
15	6941.614513	8.83792702	3.75379573	8.7485446	9.45948829	0.09232838	8.65612623	6932.86606	1658.75015	0	6	7.063	6925.97086	0.08894721	0.02140707	4.06734402	0.33894533	0.0031263	0.00079396	0.18180511
16	6934.624986	8.83793254	3.75338638	8.74837927	9.45940683	0.09232758	8.65605169	6925.87861	1657.07834	0	6	7.055	6918.98186	0.08895525	0.02142613	4.07096532	0.33924711	0.0031263	0.00079481	0.18188406
17	6927.642149	8.83793575	3.75297101	8.74783019	9.45932534	0.09232679	8.65597711	6918.89384	1655.40717	0	6	7.048	6912.00414	0.08896385	0.02144522	4.07459212	0.33954934	0.0031263	0.00079571	0.18196314
18	6920.660117	8.83794025	3.75255833	8.7482285	9.45924381	0.09232599	8.65590251	6911.81189	1653.73668	0	6	7.041	6905.0251	0.08891715	0.02146434	4.07822435	0.33985203	0.0031263	0.00079572	0.18204233
19	6913.681	8.83794484	3.75214545	8.74815306	9.45916225	0.09232519	8.65582787	6904.93285	1652.06688	0	6	7.034	6898.04908	0.08897177	0.02148348	4.08186198	0.34015517	0.0031263	0.00079643	0.18212164
20	6906.704009	8.83794951	3.75173237	8.7480776	9.45908065	0.0923244	8.65575732	6897.95683	1650.39780	0	6	7.027	6891.07619	0.08897191	0.02150266	4.08550496	0.34045875	0.0031263	0.00079715	0.18220107
21	6899.731946	8.83795427	3.75131391	8.7480021	9.45899902	0.0923236	8.6556785	6890.98394	1648.72948	0	5	7.020	6884.10654	0.08895217	0.02152186	4.08915325	0.34076277	0.0031263	0.00079786	0.18228061
22	6892.762215	8.83795911	3.75090565	8.74792658	9.45891755	0.09232228	8.65560378	6884.01429	1647.06193	0	5	7.013	6877.14021	0.08893253	0.02154108	4.0928086	0.34106723	0.0031263	0.00079857	0.18236027
23	6885.795814	8.83796404	3.75049022	8.74785102	9.45883666	0.09232201	8.65552902	6877.04796	1645.39517	0	5	7.006	6870.17731	0.08891302	0.02156035	4.09646556	0.34137213	0.0031263	0.00079928	0.18244004
24	6878.832841	8.83796905	3.75007822	8.74777544	9.45875793	0.09232121	8.65545423	6870.08507	1643.72924	0	5	6.999	6863.21793	0.09019362	0.02157963	4.10012951	0.34167746	0.0031263	0.0008	0.18251592
1	6871.873387	8.83797415	3.74966425	8.74769982	9.45867216	0.09232041	8.65537941	6863.12569	1642.06414	0	5	6.992	6856.26217	0.09027433	0.02159894	4.10379859	0.34198322	0.0031263	0.00080071	0.18259992
2	6864.917546	8.83797932	3.74925011	8.74762417	9.45859307	0.09231961	8.65530456	6856.16992	1640.39991	0	5	6.984	6849.3101	0.09035515	0.02161828	4.10747278	0.34228984	0.0031263	0.00080143	0.18268002
3	6857.965404	8.83798458	3.74885182	8.74754849	9.45850854	0.09231881	8.65522968	6849.21786	1638.73657	0	5	6.977	6842.36182	0.09043609	0.02163764	4.11115203	0.342596	0.0031263	0.00080215	0.18276024
4	6851.017047	8.83798992	3.74842138	8.74747279	9.45842668	0.09231801	8.65515477	6842.26957	1637.07413	0	4	6.970	6835.41741	0.09051713	0.02165703	4.1148363	0.34290303	0.0031263	0.00080287	0.18284057
5	6844.07256	8.83799534	3.74800679	8.74739705	9.45834479	0.09231721	8.65507983	6835.32516	1635.41262	0	4	6.963	6828.47694	0.09059829	0.02167645	4.11852557	0.34321046	0.0031263	0.00080359	0.18292921
6	6837.132023	8.83800084	3.74759206	8.74732128	9.45826286	0.09231642	8.65500487	6828.3847	1633.75205	0	4	6.956	6821.54051	0.09067955	0.02169589	4.1222198	0.34351832	0.0031263	0.00080431	0.18300155
7	6830.195515	8.83800641	3.74717719	8.74724549	9.45818051	0.09231562	8.65492987	6821.44827	1632.09245	0	4	6.949	6814.60818	0.09076093	0.02171536	4.12591894	0.34382658	0.0031263	0.00080503	0.18308227
8	6823.263111	8.83801207	3.74676218	8.74716966	9.45809892	0.09231481	8.65485485	6814.51594	1630.43383	0	4	6.942	6807.68003	0.09084241	0.02173486	4.12962298	0.34413525	0.0031263	0.00080575	0.18316296
9	6816.334887	8.83801778	3.74634705	8.74709381	9.45801661	0.09231401	8.65477979	6807.57979	1628.77620	0	4	6.935	6800.75613	0.090924	0.02175438	4.13331188	0.34444432	0.0031263	0.00080648	0.18324382
10	6809.410915	8.83802365	3.74592321	8.74701845	9.45793451	0.09231321	8.65470476	6800.66369	1627.11960	0	4	6.928	6793.82358	0.09100359	0.02177392	4.1370455	0.34475138	0.0031263	0.00080723	0.18332479
11	6802.491263	8.8380295	3.74551642	8.74694201	9.45785276	0.09231241	8.65462976	6793.74432	1625.46403	0	4	6.921	6786.92137	0.09109479	0.0217935	4.14076412	0.34506368	0.0031263	0.00080793	0.18340586
12	6795.576001	8.83803546	3.74510093	8.74686607	9.45777065	0.09231161	8.65455446	6786.82913	1623.80951	0	4	6.914	6780.01064	0.09116939	0.02181309	4.14448741	0.34537395	0.0031263	0.00080865	0.18348704
13	6788.665194	8.8380415	3.74468532	8.7467901	9.4576885	0.09231081	8.65447929	6779.9184	1622.15606	0	4	6.907	6773.10443	0.0912514	0.02183271	4.14821543	0.34568692	0.0031263	0.00080938	0.18356832
14	6781.758906	8.83804761	3.74426961	8.7467141	9.45760362	0.09231001	8.65440049	6773.01219	1620.50368	0	3	6.900	6766.20279	0.09133351	0.02185236	4.15194827	0.34599568	0.0031263	0.00081001	0.18364697
15	6774.857199	8.83805379	3.74385379	8.74663807	9.45752412	0.0923092	8.65432886	6766.11056	1618.85241	0	3	6.893	6759.3058	0.09141573	0.02187203	4.15568559	0.34630713	0.0031263	0.00081084	0.18373119
16	6767.960134	8.83805982	3.74343741	8.74656187	9.45744187	0.0923084	8.65425315	6759.21357	1617.20224	0	3	6.886	6752.41362	0.09149854	0.0218912	4.15942767	0.34661892	0.0031263	0.00081157	0.18381778
17	6761.067768	8.83806638	3.74302185	8.74648592	9.4573596	0.0923076	8.65417832	6752.32128	1615.55320	0	3	6.879	6745.52598	0.09158046	0.02191144	4.16317439	0.3469312	0.0031263	0.0008123	0.18389446
18	6754.18016	8.83807278	3.74260574	8.74640098	9.4572773	0.0923068	8.654103	6745.43375	1613.90529	0	3	6.872	6738.64326	0.09166298	0.02193119	4.16692571	0.34724381	0.0031263	0.00081303	0.18397625
19	6747.297363	8.83807926	3.74218955	8.74633365	9.45719496	0.09230599	8.65402766	6738.55103	1612.25854	0	3	6.865	6731.7654	0.09174561	0.02195096	4.17068611	0.34755768	0.0031263	0.00081376	0.18405814
20	6740.419432	8.8380858	3.74177326	8.74625747	9.45712459	0.09230519	8.65395229	6731.67317	1610.61295	0	3	6.858	6724.88247	0.09182833	0.02197075	4.17444208	0.34787017	0.0031263	0.00081451	0.18414013
21	6733.546418	8.83809248	3.74136127	8.74618127	9.45705019	0.09230438	8.65387648	6724.58024	1608.96854	0	3	6.851	6718.02467	0.09191571	0.02199048	4.17820708	0.34818392	0.0031263	0.00081521	0.18422222
22	6726.673731	8.8380991	3.74090404	8.74610503	9.45697476	0.09230358	8.65380145	6717.53227	1607.32532	0	3	6.844	6711.16154	0.09199407	0.0220104	4.1819766	0.34849805	0.0031263	0.00081597	0.18430404
23	6719.815341	8.83810585	3.74052391	8.74602876	9.45689629	0.09230277	8.65372599	6711.06931	1605.68330	0	3	6.837	6704.30365	0.09207709	0.02203027	4.18575061	0.34881255	0.0031263	0.00081671	0.18438669
24	6712.957374	8.83811268	3.7401073	8.74595247	9.4568192	0.09230197	8.6536505	6704.21142	1604.04274	0	3	6.830	6697.45087	0.09216021	0.02205015	4.1895291	0.34917242	0.0031263	0.00081744	0.18446907
1	6706.104516	8.83811957	3.73969063	8.74587614	9.45670027	0.09230116	8.65357498	6697.35864	1602.40290	0	3	6.823	6690.60324	0.09224342	0.02207006	4.19331203	0.34944267	0.0031263	0.00081818	0.18455154
2	6699.256813	8.83812652	3.73927389	8.74579979	9.45662771	0.09230036	8.65349943	6690.51101	1600.74544	0	2	6.816	6683.76081	0.09232674	0.02209	4.1970994	0.34975828	0.0031263	0.0008	

10	6324.909727	8.83860884	3.71588883	8.74146988	9.45193588	0.09225466	8.64921522	6316.16826	1511.19969	0	1	0	6.434	6309.74851	0.09713896	0.02324136	4.41585928	0.36798827	0.0931263	0.0008616	0.18940366
11	6318.397721	8.83861888	3.71547117	8.74139146	9.45185109	0.09225383	8.64913763	6309.65633	1509.64165	0	1	0	6.428	6303.24283	0.09722741	0.02326253	4.4198802	0.3683235	0.0931263	0.00086239	0.18949133
12	6311.891963	8.83862896	3.71505352	8.74131301	9.45176626	0.09225301	8.64906	6303.15065	1508.08511	0	1	0	6.421	6296.7434	0.09731595	0.02328371	4.42395054	0.36865875	0.0931263	0.00086331	0.18957908
13	6305.392458	8.83863906	3.71461589	8.74123651	9.45168138	0.09225218	8.6489823	6296.65122	1506.53007	0	1	0	6.414	6290.2502	0.09740457	0.02330491	4.42793382	0.36899448	0.0931263	0.00086396	0.18966692
14	6298.892089	8.83864925	3.71423827	8.74115596	9.45159645	0.09225135	8.64890461	6290.15805	1504.97652	0	0	0	6.408	6283.76331	0.09749329	0.02332614	4.43196562	0.36933054	0.0931263	0.00086475	0.18975484
15	6292.412219	8.83865945	3.71407737	8.74110068	9.45151147	0.09225052	8.64882685	6283.67114	1503.42446	0	0	0	6.401	6277.28266	0.09758208	0.02334738	4.43600314	0.36966693	0.0931263	0.00086553	0.18984285
16	6285.931492	8.8386697	3.7133881	8.74099874	9.45142645	0.09224969	8.64874905	6277.19049	1501.87391	0	0	0	6.395	6270.80828	0.09767096	0.02336865	4.44004368	0.37000364	0.0931263	0.00086632	0.18993094
17	6279.45703	8.83867999	3.71296554	8.74092066	9.45134138	0.09224886	8.64867162	6270.71611	1500.32486	0	0	0	6.388	6264.34016	0.09775993	0.02338994	4.44408814	0.37034068	0.0931263	0.00086711	0.19001912
18	6272.988835	8.83869033	3.71254795	8.74084134	9.45125626	0.09224803	8.64859331	6264.24799	1498.77730	0	0	0	6.381	6257.78782	0.09784899	0.02341124	4.44813465	0.37067804	0.0931263	0.00086789	0.19010739
19	6266.526911	8.8387007	3.71213027	8.74076257	9.45117109	0.09224712	8.64851537	6257.78615	1497.23125	0	0	0	6.374	6251.42274	0.09793813	0.02343257	4.45218851	0.37101574	0.0931263	0.00086867	0.19019574
20	6260.071259	8.83871111	3.71171297	8.74068375	9.45108635	0.09224636	8.64843739	6251.33057	1495.68760	0	0	0	6.368	6244.97344	0.09802736	0.02345392	4.45624504	0.37135375	0.0931263	0.00086948	0.19028418
21	6253.62188	8.83872157	3.71129549	8.74060489	9.45100066	0.09224553	8.64835936	6244.88128	1494.14364	0	0	0	6.362	6238.53042	0.09811667	0.02347529	4.46030517	0.3716921	0.0931263	0.00087027	0.19037727
22	6247.178778	8.83873206	3.71087803	8.74052599	9.45091528	0.0922447	8.64828129	6238.43825	1492.60209	0	0	0	6.355	6232.09367	0.09820607	0.02349668	4.46436922	0.37203077	0.0931263	0.00087107	0.19046131
23	6240.741952	8.83874259	3.71046059	8.74044704	9.45082991	0.09224387	8.64820317	6232.00151	1491.06204	0	0	0	6.349	6225.6632	0.09829556	0.02351809	4.46843718	0.37236976	0.0931263	0.00087186	0.19055
24	6234.311405	8.83875317	3.71004637	8.74036804	9.45074449	0.09224303	8.648125	6225.57104	1489.52530	0	0	0	6.342	6218.23901	0.09838513	0.02353952	4.47259095	0.37270809	0.0931263	0.00087266	0.19063877
25	6227.887137	8.83876378	3.70962578	8.74028899	9.45065902	0.09224212	8.64804679	6219.14685	1487.98545	3017	80	336	6.336	6212.37473	0.09847479	0.02356077	4.47585844	0.37304874	0.0931263	0.00087345	0.19072764
26	6221.380548	8.83877443	3.71436589	8.7413125	9.45157671	0.092253	8.6490955	6292.54417	1505.54742	0	2937	78	6.410	6363.84792	0.09746193	0.02331864	4.43054134	0.36921178	0.0931263	0.00086447	0.18973277
27	6372.496977	8.83878326	3.71891804	8.74228311	9.45281521	0.09226324	8.65001987	6363.75469	1522.58517	0	2867	76	6.483	6432.92972	0.09650016	0.02308852	4.38681966	0.3655683	0.0931263	0.00085594	0.18877052
28	6441.579737	8.83879039	3.72329307	8.74324021	9.45381118	0.09227296	8.65093125	6432.83653	1539.11362	0	2784	74	6.553	6499.9394	0.09558617	0.02286895	4.34527066	0.36210589	0.0931263	0.00084783	0.18786464
29	6508.590333	8.83879589	3.72749325	8.74407892	9.45475697	0.0922822	8.65179672	6499.84625	1555.14629	0	2710	72	6.621	6564.93204	0.09471698	0.02266188	4.3057577	0.35881314	0.0931263	0.00084012	0.18700316
30	6573.583839	8.83879988	3.73153233	8.74491007	9.45565568	0.09229097	8.65265191	6564.83893	1570.69637	0	2618	70	6.688	6627.96126	0.09388981	0.02246398	4.26815353	0.35567961	0.0931263	0.00083278	0.18618333
31	6636.613874	8.83880243	3.7354156	8.7457003	9.45655103	0.09229931	8.65340099	6627.86817	1585.77668	0	2569	68	6.752	6689.07924	0.09130123	0.02227552	4.23234824	0.35269569	0.0931263	0.0008258	0.18540264
32	6697.732637	8.83880362	3.73914992	8.74645201	9.45732294	0.09230724	8.65414477	6688.98618	1600.39971	0	2501	66	6.814	6748.3368	0.09235161	0.02209595	4.19823007	0.34985251	0.0931263	0.00081914	0.18465877
33	6756.990944	8.83880354	3.74274175	8.74716746	9.45809654	0.09231479	8.65485267	6748.24378	1614.57762	0	2435	64	6.874	6805.78342	0.09163608	0.02192475	4.16570275	0.3471419	0.0931263	0.00081279	0.18394959
34	6814.438268	8.83880226	3.74619717	8.74784871	9.45888315	0.09232198	8.65552672	6805.69042	1628.32224	0	2370	63	6.933	6861.46725	0.09095355	0.02176145	4.13467561	0.3445563	0.0931263	0.00080674	0.18327312
35	6870.122773	8.83879984	3.74952193	8.74849766	9.45953485	0.09232883	8.65616883	6861.37428	1641.64510	0	2307	61	6.990	6915.45518	0.09030218	0.0216056	4.10504649	0.34208872	0.0931263	0.00080096	0.18267572
36	6924.091248	8.83879588	3.75258085	8.74916529	9.46023355	0.0923356	8.65678074	6915.34223	1654.55742	0	2246	59	7.048	6969.22152	0.08962058	0.0214498	4.07679217	0.3398258	0.0931263	0.00079518	0.18201111
37	6976.38964	8.83879185	3.75580809	8.74970568	9.46084105	0.09234158	8.6573641	6967.63937	1667.07011	0	2187	58	7.098	7018.40472	0.08890816	0.0213466	4.0497857	0.33748214	0.0931263	0.00079078	0.18142229
38	7027.062089	8.8387864	3.75867508	8.75026794	9.461449	0.09234751	8.65792042	7018.31182	1679.19381	0	2129	56	7.150	7067.49404	0.08851846	0.02117883	4.02397813	0.33533151	0.0931263	0.00078514	0.18085962
39	7076.15196	8.83878004	3.76161864	8.7508043	9.46202896	0.09235317	8.65845112	7067.40116	1690.93887	0	2073	55	7.200	7115.04292	0.08797575	0.02104898	3.99930687	0.3332755	0.0931263	0.00078033	0.18032172
40	7123.70137	8.83877284	3.76436593	8.7513161	9.46285235	0.09235858	8.65895752	7114.95005	1702.31537	0	2018	53	7.248	7161.09237	0.08745675	0.02092481	3.97571356	0.33130946	0.0931263	0.00077572	0.17980733
41	7169.751325	8.83876485	3.76701111	8.75180458	9.46311054	0.09236373	8.65944085	7160.99529	1713.33312	0	1965	52	7.295	7205.4623	0.08696026	0.02080602	3.95314374	0.32942665	0.0931263	0.00077132	0.17931524
42	7214.341743	8.83875618	3.76951479	8.75230485	9.46389021	0.0923695	8.65992155	7210.39477	1724.00166	0	1912	51	7.354	7255.25142	0.08648137	0.02069671	3.93154459	0.32762888	0.0931263	0.00076717	0.17884437
43	7257.511488	8.83874664	3.7720107	8.75271621	9.46409627	0.09237335	8.66034286	7246.75877	1734.33030	0	1862	49	7.384	7290.63805	0.08603043	0.02058355	3.91087426	0.32590619	0.0931263	0.00076307	0.17839366
44	7299.298392	8.83873652	3.77314147	8.75314147	9.46455608	0.09237784	8.66076363	7290.54525	1744.32809	0	1813	48	7.427	7331.07853	0.08559505	0.02047938	3.89108237	0.32425686	0.0931263	0.00075921	0.17796214
45	7339.73929	8.83872577	3.77664665	8.75354765	9.46499528	0.09238213	8.66116552	7330.98574	1754.00384	0	1765	47	7.468	7370.20887	0.08517812	0.02037963	3.87212899	0.32267742	0.0931263	0.00075551	0.17754881
46	7378.87038	8.83871443	3.77883666	8.75393566	9.46544483	0.09238622	8.66154944	7370.1161	1763.36613	0	1718	45	7.508	7408.064	0.08477877	0.02028408	3.85397487	0.32116457	0.0931263	0.00075197	0.17715311
47	7416.725547	8.83870564	3.78126154	8.75436812	9.46597188	0.09239012	8.66197881	7416.72554	1772.42331	0	1674	44	7.547	7446.76178	0.08439429	0.02019764	3.8365481	0.31971526	0.0931263	0.00074854	0.17677276
48	7453.339802	8.83869013	3.78297617	8.75466052	9.46619859	0.09239387	8.66226665	7444.58514	1781.18351	0	1628	43	7.584	7480.08362	0.08402962	0.02010484	3.81991898	0.31823558	0.0931263	0.00074533	0.17641059
49	7496.754887	8.83867724	3.78493413	8.75498981	9.46656449	0.09239744	8.66260146	7479.99089	1789.65465	0	1585	42	7.620	7514.13141	0.08367833	0.02002079	3.80394983	0.31699582	0.0931263	0.00074221	0.17606242
50	7522.976013	8.83866389	3.78681397	8.75523233	9.46691409	0.09240085	8.66292138	7514.22069	1797.84444	0	1543	41	7.655	7547.39862	0.08334166	0.01994024	3.78864485	0.3157204	0.0931263	0.00073922	0.17578273
51	7556.061539	8.83865011	3.78862637	8.75563116	9.46724812	0.09240411	8.66322704	7547.30591	1805.76037												

12	8260.493982	8.83769564	3.82565972	8.76097476	9.47302603	0.09246051	8.66851425	8251.73301	1974.30085	0	326	9	8.406	8251.94818	0.07672088	0.01835616	3.48766961	0.29063913	0.0931263	0.0006805	0.16916668
13	8260.616689	8.83768093	3.82566661	8.76096118	9.47301134	0.09246037	8.66850081	8251.85573	1974.33021	0	317	8	8.406	8251.84627	0.07671976	0.01835589	3.48761861	0.29063488	0.0931263	0.00068049	0.16916557
14	8260.511168	8.83766638	3.82566397	8.76094887	9.47299749	0.09246002	8.66848567	8251.75022	1974.30497	0	309	8	8.406	8251.51532	0.07672051	0.01835607	3.48765288	0.29063774	0.0931263	0.00068080	0.16916657
15	8250.183684	8.83765698	3.82566611	8.76092889	9.47297643	0.09246003	8.66846887	8251.42276	1974.22562	0	301	8	8.406	8250.97187	0.07672109	0.01835668	3.48777008	0.29064751	0.0931263	0.00068052	0.16916887
16	8259.64034	8.83763774	3.82561936	8.76091003	9.47295633	0.09245983	8.66845047	8250.87943	1974.09662	0	293	8	8.405	8250.21863	0.07672744	0.01835773	3.48769796	0.2906564	0.0931263	0.00068056	0.16917319
17	8258.887076	8.83762366	3.82558196	8.76089013	9.47293453	0.09245962	8.66843052	8250.12619	1973.91640	0	285	8	8.404	8249.26124	0.07673352	0.01835918	3.48824431	0.29068703	0.0931263	0.00068061	0.16917921
18	8257.929675	8.83760973	3.82553431	8.76088645	9.47291108	0.09245939	8.66840906	8249.16881	1973.68734	0	277	7	8.404	8248.10536	0.07674128	0.01836104	3.48859703	0.29071642	0.0931263	0.00068068	0.1691869
19	8256.737765	8.83759597	3.82547658	8.76084529	9.47288604	0.09245914	8.66838615	8248.01292	1973.41079	0	270	7	8.402	8246.75644	0.07675067	0.01836328	3.48902406	0.290752	0.0931263	0.00068076	0.16919621
20	8255.424828	8.83758236	3.8254091	8.76082587	9.47285945	0.09245888	8.66836162	8246.66401	1973.08807	0	263	7	8.401	8245.21984	0.07676166	0.01836591	3.4895234	0.29079362	0.0931263	0.00068086	0.16920771
21	8253.888198	8.83756816	3.82533211	8.76079473	9.47283133	0.09245861	8.66833672	8245.1274	1972.72340	0	256	7	8.399	8244.35007	0.07677265	0.01836891	3.49009314	0.29084149	0.0931263	0.00068097	0.16921952
22	8252.160909	8.83755564	3.82524589	8.76076741	9.47280182	0.09245832	8.66830848	8243.4083	1972.30049	0	249	7	8.398	8241.60419	0.07678823	0.01837227	3.4907314	0.29084288	0.0931263	0.0006811	0.16923344
23	8250.272496	8.83754252	3.82515067	8.76073878	9.47277087	0.09245802	8.66828076	8241.51176	1971.85533	0	243	6	8.396	8239.53512	0.07680374	0.01837598	3.49143638	0.29095303	0.0931263	0.00068123	0.16924881
24	8248.203402	8.83752957	3.8250467	8.76070808	9.47273856	0.0924577	8.66825119	8239.44269	1971.36028	0	236	6	8.394	8237.29833	0.07682068	0.01838003	3.4922063	0.29101719	0.0931263	0.00068138	0.16926559
75	8245.966579	8.83751678	3.82493423	8.76067778	9.47270491	0.09245738	8.66822041	8237.2059	1970.82511	0	230	6	8.391	8234.89847	0.076839	0.01838442	3.49303948	0.29108862	0.0931263	0.00068155	0.16928376
	8243.56669	8.83750416	3.82481347	8.76064548	9.47267698	0.09245703	8.66819844	8234.80604	1970.25592	0	224	6	8.389	8232.34009	0.07685869	0.01838913	3.49393425	0.29116119	0.0931263	0.00068172	0.16930327
	8241.008277	8.83749171	3.82468465	8.76061202	9.47263381	0.09245668	8.66815534	8232.24756	1969.63981	0	218	6	8.386	8229.6276	0.07687929	0.01839415	3.49488802	0.29124075	0.0931263	0.00068191	0.16932408
	8238.29576	8.83747942	3.82454799	8.76057745	9.47259642	0.09245632	8.66812113	8229.53518	1968.98982	0	212	6	8.384	8226.76532	0.07690198	0.01839949	3.49590224	0.29132519	0.0931263	0.0006821	0.16934617
	8235.433442	8.8374673	3.8244037	8.76054178	9.47255786	0.09245594	8.66808584	8226.6729	1968.30500	0	207	6	8.381	8223.75743	0.07692552	0.01840512	3.49697238	0.29141437	0.0931263	0.00068231	0.16936951
	8232.425513	8.83745535	3.82425198	8.76050507	9.47251817	0.09245555	8.66804952	8223.66501	1967.58533	0	201	5	8.378	8220.608	0.07695028	0.01841104	3.498098	0.29150817	0.0931263	0.00068253	0.16939405
	8229.276051	8.83744357	3.82409304	8.76046734	9.47247737	0.09245515	8.66801218	8220.51558	1966.81180	0	196	5	8.374	8217.32101	0.07697623	0.01841725	3.49927767	0.29160847	0.0931263	0.00068276	0.16941977
	8225.989025	8.83743195	3.82392707	8.76042861	9.47243549	0.09245475	8.66797387	8217.2286	1966.04536	0	191	5	8.371	8213.90033	0.07700334	0.01842374	3.50051001	0.29170917	0.0931263	0.00068283	0.16944664
	8222.568301	8.8374205	3.82375425	8.76038893	9.47239258	0.09245433	8.6679346	8213.80791	1965.22693	0	186	5	8.367	8210.34971	0.07703158	0.01843049	3.50179368	0.29181614	0.0931263	0.00068325	0.16947462
	8219.017641	8.83740922	3.82357477	8.76034831	9.47234866	0.0924539	8.66789441	8210.25729	1964.37742	0	181	5	8.364	8206.67281	0.07706092	0.01843751	3.50312739	0.29192728	0.0931263	0.00068351	0.1695037
76	8215.340707	8.83739811	3.8233888	8.76030678	9.47230376	0.09245346	8.66785332	8206.5804	1963.49769	0	176	5	8.360	8202.87321	0.07709133	0.01844479	3.50450987	0.29204249	0.0931263	0.00068378	0.16953384
	8211.541065	8.83738717	3.82319653	8.76026438	9.47225792	0.09245301	8.66781137	8202.7808	1962.58860	0	171	5	8.356	8198.95437	0.07712278	0.01845232	3.50593991	0.29216166	0.0931263	0.00068406	0.16956502
	8207.621185	8.83737639	3.82299812	8.76022113	9.47221155	0.09245256	8.66776858	8198.86196	1961.65098	0	167	4	8.352	8194.91968	0.07715236	0.01846009	3.5071463	0.29228469	0.0931263	0.00068435	0.16959721
	8203.587466	8.83736497	3.82280029	8.76017705	9.47217371	0.09245209	8.66772497	8194.8277	1960.68564	0	162	4	8.348	8190.75716	0.07718271	0.01846783	3.5084079	0.29241149	0.0931263	0.00068463	0.16963039
	8199.440137	8.83735535	3.82258352	8.76013218	9.47214196	0.09245162	8.66768566	8190.68	1959.69337	0	158	4	8.344	8186.57178	0.07722318	0.01847633	3.51050358	0.29254196	0.0931263	0.00068495	0.16966452
	8195.18346	8.83734508	3.82236764	8.76008652	9.4720656	0.09245114	8.66763538	8186.42337	1958.67494	0	154	4	8.340	8182.1529	0.07725856	0.01848488	3.51211225	0.29267602	0.0931263	0.00068527	0.16969696
	8190.820532	8.83733498	3.82214626	8.76004011	9.47201541	0.09245065	8.66758946	8182.06049	1957.63108	0	150	4	8.335	8177.6868	0.07729487	0.01849349	3.51376286	0.29281357	0.0931263	0.00068559	0.16973558
	8186.354388	8.83732505	3.82191951	8.75999296	9.47196444	0.09245015	8.66754282	8177.5944	1956.56253	0	146	4	8.331	8173.12044	0.07733208	0.01850239	3.51545437	0.29295453	0.0931263	0.00068592	0.16977246
	8181.78798	8.83731528	3.82168753	8.75994511	9.47192169	0.09244964	8.66749547	8173.0284	1955.46998	0	142	4	8.326	8168.5669	0.07737017	0.01851153	3.51718579	0.29309882	0.0931263	0.00068626	0.16981021
	8177.124185	8.83730547	3.82145803	8.75989627	9.47188021	0.09244913	8.66744781	8168.56429	1954.35144	0	138	4	8.321	8163.60387	0.07740993	0.01852015	3.51891954	0.2932434	0.0931263	0.00068658	0.16984881
	8172.365801	8.83729625	3.82120847	8.75984736	9.4718308	0.09244861	8.66739874	8163.60595	1953.21567	0	134	4	8.316	8158.84815	0.07744889	0.01853034	3.52076448	0.29339704	0.0931263	0.00068696	0.16988824
77	8167.515553	8.83728698	3.82096164	8.7597975	9.47175308	0.09244809	8.66734941	8158.75576	1952.05521	0	129	4	8.311	8153.90874	0.07748849	0.01854005	3.52260989	0.29355082	0.0931263	0.00068732	0.16992847
	8162.576093	8.83727788	3.82070103	8.759747	9.47169849	0.09244755	8.66729945	8153.81635	1950.87841	0	127	3	8.306	8148.8827	0.07753088	0.01854996	3.52449148	0.29370762	0.0931263	0.00068768	0.16996905
	8157.550004	8.83726895	3.82045404	8.7596969	9.47164323	0.09244701	8.66724889	8148.79031	1949.67099	0	124	3	8.301	8143.77255	0.07757304	0.01856004	3.52640838	0.29386736	0.0931263	0.00068806	0.17001129
	8152.437998	8.83725974	3.82020621	8.75964621	9.47158774	0.09244647	8.66719774	8143.68015	1948.44824	0	121	3	8.296	8138.58971	0.07761597	0.01856901	3.52835951	0.29402898	0.0931263	0.00068834	0.17005383
	8147.247924	8.83725158	3.81992866	8.75959194	9.47153082	0.09244592	8.66714602	8138.48833	1947.20605	0	118	3	8.291	8133.30962	0.07765964	0.01858076	3.53034477	0.29419154	0.0931263	0.00068883	0.17009711
	8141.976761	8.83724314	3.81969599	8.75953911	9.4714737	0.09244536	8.66709375	8133.2172	1945.94489	0	115	3	8.285	8127.96154	0.07770403	0.01859138	3.53236264	0.29436355	0.0931263	0.00068922	0.1701411
	8136.62863	8.83723486	3.81938643	8.75948574	9.47141599	0.09244479	8.66704095	8127.86914	1944.66531	0	111	3	8.280	8122.53875	0.07774912	0.01860217	3.53441258	0.29454338	0.0931263	0.00068962	0.1701858
	8131.205787	8.83722675	3.81910926	8.75943185	9.47135772	0.09244423	8.66698762	8122.46453	1943.36786	0											

14	7749.673201	8.83700996	3.79916578	8.75584032	9.46747429	0.09240632	8.663434	7740.917366	1852.08364	0	24	1	7.886	7733.65437	0.08116964	0.01942056	3.68990669	0.30749222	0.031263	0.00071996	0.17375598
15	7742.317806	8.83700998	3.79872757	8.75577218	9.46740061	0.09240566	8.66336658	7733.562003	1850.32382	0	23	1	7.878	7726.29006	0.0812378	0.01943687	3.69300512	0.30775903	0.031263	0.00072056	0.17364584
16	7734.953428	8.83701012	3.79837854	8.75570395	9.46732684	0.09240488	8.66329907	7726.19772	1848.56184	0	22	1	7.871	7718.91721	0.08130616	0.01945523	3.69611293	0.30800941	0.031263	0.00072117	0.17373113
17	7727.580512	8.83701027	3.79798372	8.75563564	9.46725927	0.09240416	8.66323147	7718.82488	1846.79782	0	22	1	7.863	7711.53626	0.08137473	0.01946963	3.69922993	0.30826916	0.031263	0.00072178	0.17377925
18	7720.199491	8.83701073	3.79758812	8.75556723	9.4671179	0.09240344	8.66316379	7711.44392	1845.03186	0	21	1	7.856	7704.14762	0.08144435	0.01948608	3.70235603	0.30852967	0.031263	0.00072239	0.17384741
19	7712.810786	8.8370112	3.79719176	8.75549874	9.46710495	0.09240272	8.66309602	7704.05529	1843.26406	0	21	1	7.848	7696.75171	0.08151246	0.01950258	3.70549103	0.30879092	0.031263	0.000723	0.17391576
20	7705.414807	8.83701179	3.79679468	8.75540371	9.4670308	0.09240199	8.66302818	7696.65938	1841.49452	0	20	1	7.841	7689.34893	0.08158162	0.01951913	3.70863481	0.3090529	0.031263	0.00072361	0.17398431
21	7698.011953	8.83701248	3.79639687	8.75536152	9.46696567	0.09240127	8.66296025	7689.25695	1839.72334	0	20	1	7.833	7681.93965	0.08165096	0.01953572	3.71178724	0.3093156	0.031263	0.00072423	0.17405304
22	7690.602514	8.83701299	3.79599837	8.75529279	9.46688826	0.09240054	8.66289225	7681.84732	1837.95261	0	19	1	7.826	7674.53422	0.08172473	0.01955236	3.71494816	0.30957001	0.031263	0.00072484	0.17412195
23	7683.187165	8.83701342	3.79559392	8.75522399	9.46680786	0.09239982	8.66282417	7674.43194	1836.17641	0	18	0	7.819	7667.10315	0.08179021	0.01956904	3.71811746	0.30984112	0.031263	0.00072541	0.17419105
24	7675.765976	8.83701522	3.79519937	8.75515511	9.46673339	0.09239909	8.66276602	7667.01082	1834.40084	0	18	0	7.810	7659.67665	0.08186011	0.01958576	3.72121950	0.31010792	0.031263	0.00072608	0.17426033
25	7668.339403	8.83701635	3.79479889	8.75508616	9.46665882	0.09239836	8.6626878	7659.58432	1832.62399	0	18	0	7.803	7652.24511	0.08193019	0.01960253	3.72448068	0.31037339	0.031263	0.0007267	0.17432979
26	7660.907795	8.83701758	3.7943978	8.75501714	9.4665842	0.09239763	8.66261951	7652.15278	1830.84592	0	17	0	7.795	7644.80887	0.08200044	0.01961934	3.72767435	0.31063953	0.031263	0.00072733	0.17439942
27	7653.47149	8.83701892	3.7939961	8.75494805	9.46650059	0.09239691	8.66255115	7644.71654	1829.06674	0	17	0	7.788	7637.36827	0.08207087	0.01963619	3.73087591	0.31090633	0.031263	0.00072795	0.17446922
28	7646.036818	8.83702037	3.79359381	8.7548789	9.46642473	0.09239618	8.6624272	7637.27594	1827.28851	0	16	0	7.780	7629.92362	0.08214147	0.01965288	3.73408523	0.31117377	0.031263	0.00072858	0.17453919
29	7638.586088	8.83702191	3.79319095	8.75480968	9.46635088	0.09239545	8.66241424	7630.83129	1825.50531	0	16	0	7.773	7622.47521	0.08221223	0.01967001	3.73739221	0.31144185	0.031263	0.00072921	0.17460933
30	7631.137644	8.83702357	3.79278753	8.7547404	9.46628497	0.09239471	8.66234568	7622.38229	1823.72321	0	15	0	7.765	7615.02341	0.08228317	0.01968698	3.74052673	0.31171056	0.031263	0.00072983	0.17467963
31	7623.685757	8.83702532	3.79238357	8.75467106	9.46620999	0.09239398	8.66227707	7614.93109	1821.94030	0	15	0	7.757	7607.56846	0.08235426	0.01970399	3.7437587	0.31197989	0.031263	0.00073047	0.1747501
32	7616.230733	8.83702717	3.79197908	8.75460165	9.46613494	0.09239325	8.66220804	7607.47613	1820.15664	0	14	0	7.750	7600.11065	0.08242552	0.01972104	3.746908	0.31224483	0.031263	0.000731	0.17482072
33	7608.77286	8.83702913	3.79157408	8.75453219	9.46605984	0.09239252	8.66213967	7600.01833	1818.37229	0	14	0	7.742	7592.65028	0.08249694	0.01973813	3.75024454	0.31252038	0.031263	0.00073173	0.17489151
34	7601.312416	8.83703118	3.79116858	8.75446267	9.46598467	0.09239178	8.66207089	7592.55795	1816.58733	0	14	0	7.735	7585.1876	0.08256851	0.01975525	3.75349822	0.31279152	0.031263	0.00073237	0.17496245
35	7593.849673	8.83703333	3.7907626	8.75439309	9.46590944	0.09239105	8.66200204	7585.09528	1814.80182	0	13	0	7.727	7577.72289	0.08264024	0.01977242	3.75675893	0.31306324	0.031263	0.000733	0.17503354
36	7586.384896	8.83703558	3.79035615	8.75432346	9.46583415	0.09239031	8.66193315	7577.63057	1813.01582	0	13	0	7.719	7570.25641	0.08271212	0.01978961	3.7600266	0.31333555	0.031263	0.00073364	0.17510478
37	7578.918341	8.83703793	3.78994924	8.75425378	9.4657588	0.09238958	8.6618642	7570.16409	1811.22940	0	13	0	7.712	7562.78839	0.08278415	0.01980685	3.76330112	0.31360843	0.031263	0.00073428	0.17517617
38	7571.450259	8.83704037	3.78954188	8.75418404	9.46568339	0.09238884	8.6617952	7562.69607	1809.44261	0	12	0	7.704	7555.3191	0.08285633	0.01982412	3.76658241	0.31388187	0.031263	0.00073492	0.17524272
39	7563.980892	8.83704291	3.78913409	8.75411425	9.46560793	0.09238811	8.66172615	7555.22678	1807.65551	0	12	0	7.697	7547.84875	0.08292866	0.01984142	3.76987038	0.31415586	0.031263	0.00073556	0.17531534
40	7556.510478	8.83704545	3.7887588	8.75404442	9.46553242	0.09238737	8.66165775	7547.75643	1805.86817	0	11	0	7.689	7540.37167	0.08300191	0.01985841	3.77314901	0.31442831	0.031263	0.00073617	0.17539123
41	7549.030246	8.83704828	3.78831726	8.75397463	9.46545685	0.09238663	8.6615789	7540.28527	1804.08062	0	11	0	7.681	7532.90583	0.08307375	0.01987614	3.77646603	0.3147055	0.031263	0.00073685	0.17546332
42	7541.567421	8.8370511	3.78890825	8.75390459	9.46538123	0.09238589	8.6615187	7532.81352	1802.29294	0	11	0	7.674	7525.4337	0.08314651	0.01989354	3.77977355	0.31498113	0.031263	0.00073749	0.17553532
43	7534.059219	8.83705402	3.78849885	8.75383481	9.46530561	0.09238515	8.66144946	7525.34138	1800.50516	0	11	0	7.666	7517.9614	0.08321941	0.01991099	3.78308742	0.31525729	0.031263	0.00073814	0.17560757
44	7526.622853	8.83705703	3.78808907	8.75376458	9.46522984	0.09238442	8.66138017	7517.86909	1798.71735	0	10	0	7.659	7510.48915	0.08329244	0.01992846	3.78640758	0.31553397	0.031263	0.00073879	0.17567996
45	7519.150529	8.83706012	3.78766891	8.75369461	9.46515407	0.09238368	8.66131083	7510.39683	1796.92955	0	10	0	7.651	7503.01714	0.08336561	0.01994587	3.78973395	0.31581116	0.031263	0.00073944	0.17575248
46	7511.578447	8.83706311	3.7872496	8.75362488	9.46507826	0.09238294	8.66124156	7502.92482	1795.14180	0	10	0	7.643	7495.54282	0.08343892	0.01996339	3.79301751	0.31608451	0.031263	0.00074007	0.17582514
47	7504.260802	8.83706659	3.7868576	8.75355423	9.46500239	0.0923822	8.66117203	7495.45325	1793.35416	0	9	0	7.636	7488.07461	0.08351236	0.01998108	3.79640502	0.31636708	0.031263	0.00074074	0.17589793
48	7496.757383	8.83706996	3.7864462	8.75348402	9.46492648	0.09238145	8.66110257	7487.9823	1791.56667	0	9	0	7.628	7480.60447	0.08358594	0.01999868	3.79974958	0.3166458	0.031263	0.00074139	0.17597085
49	7489.265574	8.83707342	3.78603493	8.75341378	9.46485053	0.09238071	8.66103306	7480.51216	1789.77937	0	8	0	7.620	7473.13532	0.08365964	0.02001632	3.8031008	0.31692501	0.031263	0.00074204	0.1760439
50	7481.796355	8.83707696	3.78564231	8.75334349	9.46477453	0.09237997	8.66096352	7473.04301	1787.99231	0	7	0	7.613	7465							

16	7025.602281	8.83744158	3.7587423	8.7489189	9.45999033	0.09233328	8.65658563	7016.85336	1678.84486	0	2	7.148	7009.75021	0.08852267	0.02117984	4.02416963	0.33534747	0.0931263	0.00078518	0.18086379
17	7018.4068	8.83744942	3.75832213	8.74884652	9.45991206	0.09233251	8.65651401	7009.65795	1677.12330	0	2	7.141	7002.56095	0.0886029	0.02119904	4.02781681	0.3356514	0.0931263	0.00078589	0.18094331
18	7011.217459	8.83745732	3.75790194	8.74877111	9.45983376	0.09233175	8.65644236	7002.46868	1675.40320	0	2	7.133	6995.37784	0.08868322	0.02121825	4.03146592	0.33595566	0.0931263	0.00079067	0.18102292
19	7004.034284	8.83746527	3.75748172	8.74870165	9.45977542	0.09233098	8.65637057	6995.28558	1673.68458	0	2	7.126	6988.20091	0.08873662	0.02123749	4.03512294	0.33626025	0.0931263	0.00079732	0.18110261
20	6996.857299	8.83747328	3.75706148	8.74862917	9.45967705	0.09233022	8.65629895	6988.10867	1671.96744	0	2	7.119	6981.03023	0.08884411	0.02125675	4.03878187	0.33656516	0.0931263	0.00078803	0.18118238
21	6989.886528	8.83748133	3.75664122	8.74855665	9.45959863	0.09232945	8.6562272	6980.93797	1670.25178	0	1	7.112	6973.86577	0.08892468	0.02127602	4.04244468	0.33687039	0.0931263	0.00078874	0.18126224
22	6982.521993	8.83748944	3.75622093	8.7484841	9.45952018	0.09232869	8.65615541	6973.77351	1668.53762	0	1	7.104	6966.70756	0.08900534	0.02129532	4.04611138	0.33717595	0.0931263	0.00078946	0.18134281
23	6975.367172	8.83749759	3.75580063	8.74841151	9.45944169	0.09232792	8.65608359	6966.61531	1666.82496	0	1	7.097	6959.55564	0.08908609	0.02131464	4.04978196	0.33748183	0.0931263	0.00079018	0.18142221
24	6968.21172	8.83750508	3.75538031	8.74831988	9.45936317	0.09232715	8.65601173	6959.46338	1665.1380	0	1	7.090	6952.41001	0.08916291	0.02133398	4.05345454	0.33778803	0.0931263	0.00079080	0.18150232
25	6961.066024	8.83751405	3.75495292	8.74822652	9.45928445	0.09232639	8.65593988	6952.31776	1663.40414	0	1	7.083	6945.27071	0.08924783	0.02135314	4.05713447	0.33809456	0.0931263	0.00079161	0.18158152
26	6953.928647	8.83752236	3.75453962	8.74813553	9.459206	0.09232562	8.65586791	6945.17845	1661.69600	0	1	7.075	6938.13774	0.08932683	0.02137372	4.06081684	0.33840104	0.0931263	0.00079233	0.18166228
27	6946.793608	8.83753071	3.75411926	8.7481208	9.45912736	0.09232485	8.65579594	6938.04549	1659.98937	0	1	7.068	6931.01113	0.08940991	0.02139212	4.06450283	0.33870785	0.0931263	0.00079305	0.18174317
28	6939.669027	8.83753911	3.75369888	8.74804803	9.45904867	0.09232408	8.65572394	6930.91888	1658.28427	0	1	7.061	6923.8909	0.08949108	0.02141154	4.06819265	0.33901605	0.0931263	0.00079377	0.18182361
29	6932.54662	8.83754756	3.75327849	8.74797523	9.45896995	0.09232332	8.65565191	6923.79864	1656.58069	0	1	7.053	6916.77705	0.08957233	0.02143088	4.0718863	0.33932386	0.0931263	0.00079449	0.18190414
30	6925.432704	8.83755605	3.7528581	8.74790239	9.45889119	0.09232255	8.65557984	6916.6848	1654.87864	0	1	7.046	6909.66962	0.08965367	0.02145044	4.07558377	0.33963196	0.0931263	0.00079521	0.18198476
31	6918.325196	8.83756456	3.75243777	8.74782951	9.4588124	0.09232178	8.65550773	6909.57737	1653.17812	0	1	7.039	6902.56486	0.08973598	0.02146992	4.07928055	0.33994042	0.0931263	0.00079593	0.18206546
32	6911.224112	8.83757319	3.75201729	8.7477556	9.45873356	0.09232101	8.65543559	6902.47636	1651.47914	0	1	7.032	6895.47403	0.08981659	0.02148942	4.08299014	0.34020418	0.0931263	0.00079665	0.18214624
33	6904.129466	8.83758183	3.75159687	8.74768365	9.45865468	0.09232024	8.65536341	6895.38178	1649.78170	0	1	7.024	6888.38591	0.08989818	0.02150894	4.08669902	0.34058255	0.0931263	0.00079738	0.18222721
34	6897.041274	8.83759051	3.75117645	8.74761066	9.45857576	0.09231947	8.65529119	6888.29366	1648.08581	0	1	7.017	6881.30426	0.08997985	0.02152848	4.0904117	0.34086764	0.0931263	0.00079801	0.18230805
35	6889.995948	8.83759924	3.75075603	8.74753764	9.4584968	0.0923187	8.65521894	6881.21201	1646.39146	0	1	7.010	6874.22908	0.0900616	0.02154804	4.09412817	0.34117735	0.0931263	0.00079883	0.18238908
36	6882.884003	8.83760801	3.7503156	8.74746457	9.45841178	0.09231793	8.65514665	6874.13684	1644.69866	0	1	7.003	6867.1604	0.09014344	0.02156762	4.09784842	0.34148737	0.0931263	0.00079955	0.18247019
37	6875.815551	8.83761683	3.74991518	8.74739147	9.45833876	0.09231716	8.65507432	6867.06816	1643.00741	0	1	6.996	6860.09823	0.09022536	0.02158722	4.10157244	0.3417977	0.0931263	0.00080028	0.18255138
38	6868.753305	8.8376257	3.74949475	8.74731834	9.45825967	0.09231638	8.65500195	6860.00599	1641.31773	0	1	6.988	6853.04257	0.09030736	0.02160684	4.10530024	0.34210835	0.0931263	0.00080101	0.18263266
39	6861.697576	8.83763461	3.74907433	8.74724516	9.45818055	0.09231561	8.65492955	6852.95033	1639.62960	0	1	6.981	6845.99345	0.09038945	0.02162648	4.1090318	0.34241932	0.0931263	0.00080174	0.18271401
40	6854.648375	8.83764356	3.7486539	8.74717194	9.45810139	0.09231484	8.65485711	6845.9012	1637.94303	0	1	6.974	6838.95086	0.09047162	0.02164614	4.11276713	0.34273059	0.0931263	0.00080246	0.18279545
41	6847.605714	8.83765256	3.74821349	8.74709869	9.45802211	0.09231407	8.65478462	6838.85862	1636.25803	0	1	6.967	6831.91482	0.09055387	0.02166582	4.11650621	0.34304218	0.0931263	0.00080319	0.18287698
42	6840.569093	8.83766161	3.74781307	8.7470251	9.45794295	0.09231329	8.65471211	6831.82518	1634.57149	0	1	6.960	6824.88234	0.09063549	0.02168541	4.12024094	0.34335409	0.0931263	0.00080392	0.18295878
43	6833.540051	8.83767068	3.74739266	8.74695207	9.45786264	0.09231252	8.65463955	6824.7931	1632.89273	0	1	6.952	6817.86243	0.09071862	0.02170524	4.12399563	0.34366633	0.0931263	0.00080466	0.18304026
44	6826.517068	8.83767981	3.74697226	8.74687869	9.45778478	0.09231174	8.65456695	6817.77019	1631.21243	0	1	6.945	6810.8461	0.09080112	0.02172498	4.12774595	0.34397883	0.0931263	0.00080539	0.18312203
45	6819.500664	8.83768898	3.74655186	8.74680528	9.45770492	0.09231097	8.65449431	6810.75386	1629.53371	0	1	6.938	6803.83635	0.0908837	0.02174474	4.13150002	0.34429167	0.0931263	0.00080612	0.18320388
46	6812.490846	8.83769819	3.74613147	8.74673183	9.45762525	0.09231019	8.65442164	6803.74411	1627.85657	0	1	6.931	6796.8332	0.09096636	0.02176451	4.13525783	0.34460482	0.0931263	0.00080685	0.18328581
47	6805.487623	8.83770745	3.74571109	8.74665834	9.45754604	0.09230942	8.65434892	6796.74969	1626.18100	0	1	6.924	6789.83665	0.09104911	0.02178431	4.13901937	0.34491828	0.0931263	0.00080759	0.18336782
48	6798.491002	8.83771623	3.74529072	8.74658504	9.45746653	0.09230864	8.65427617	6789.74442	1624.50702	0	1	6.917	6782.84672	0.09113499	0.02180411	4.14278641	0.34523205	0.0931263	0.00080832	0.18344937
49	6791.500991	8.83772608	3.74487036	8.74651124	9.45738698	0.09230787	8.65420337	6782.75448	1622.83461	0	1	6.910	6775.86339	0.09121484	0.02182307	4.14655363	0.34554614	0.0931263	0.00080906	0.18353209
50	6784.517597	8.83773546	3.74445001	8.74643762	9.45730738	0.09230709	8.65413053	6775.71116	1621.16379	0	1	6.903	6768.8867	0.09129784	0.02184382	4.15032635	0.34586053	0.0931263	0.00080979	0.18361634
51	6777.540827	8.83774488	3.74402967	8.74636397	9.45722774	0.09230631	8.65405766	6768.79446	1619.49455	0	1	6.895	6761.91663	0.09138091	0.02186337	4.15410279	0.34617523	0.0931263	0.00081053	0.18369668
52	6770.570886	8.83775434	3.74360693	8.74629027	9.45714806	0.09230553	8.65398474	6761.8244	1617.82690	0	1	6.888	6754.9532	0.09146406	0.02188359	4.15788295	0.34649025	0.0931263	0.00081127	0.18377791
53	6763.607811	8.83776384	3.74318463	8.74621654	9.45706878	0.09230476	8.65391178	6754.86096	1616.16084	0	1	6.881	6747.99641	0.09154573	0.02190383	4.16166852	0.34680579	0.0931263	0.00081201	0.18385816
54	6756.650317	8.83777338	3.74276874	8.74614276	9.45698855	0.09230398	8.65383878	6747.90417	1614.49637	0	1	6.874	6741.04626	0.09163062	0.02192344	4.16545441	0.34712112	0.0931263	0.00081274	0.18394418
55	6749.7001	8.83778296	3.74234845	8.74606894	9.45690873	0.0923032	8.65376574	6740.95403	1612.83348	0	1	6.867	6734.10277	0.09171402	0.0219434	4.16924571	0.34743734	0.0931263	0.00081348	0.18402684
56	6742.756533	8.83779257	3.74192818	8.74599507	9.45682886	0.09230242	8.65369265	6734.01054	1611.17219	0	1	6.860	6727.16593	0.0917975	0.02196337	4.17304072	0.34775339	0.0931263	0.00081423	0.18410958
57	6735.819623	8.83780223	3.74150793	8.74592117	9.45674895	0.09230164	8.65361953	6727.07737	1609.51249	0	1	6.853	6720.23575	0.09188106	0.02198337	4.17683943	0.34806095	0.0931263	0.00081497	0.1841924
58	6728.889373	8.83781193	3.74108769	8.74584772	9.45666899	0.09230086	8.65354636	6720.14353	1607.85438	0	1	6.846	6721.31224	0.0						

18	6351.454397	8.83840952	3.71759466	8.74163089	9.45210999	0.09225636	8.64937453	6342.71277	1517.55070	0	0	0	4.641	6336.25464	0.09677862	0.02315515	4.39947844	0.3666232	0.0031263	0.00085841	0.18904652
19	6344.904011	8.83841205	3.71717603	8.74155414	9.45202699	0.09225555	8.64929859	6336.16246	1515.98348	0	0	0	4.645	6329.71091	0.09686691	0.02317627	4.40349201	0.36695767	0.0031263	0.00085919	0.18913402
20	6338.360212	8.83843261	3.71675743	8.74147723	9.45194934	0.09225474	8.64922259	6339.63873	1514.41784	0	0	0	4.648	6323.17377	0.09695528	0.02319742	4.40709933	0.36729244	0.0031263	0.00085997	0.18922161
21	6331.822997	8.83844442	3.71633887	8.74140046	9.45186082	0.09225393	8.64914653	6323.0815	1512.85377	0	0	0	4.641	6316.64921	0.09704374	0.02321858	4.41153304	0.36762753	0.0031263	0.00086076	0.18930928
22	6325.29236	8.83845581	3.71592035	8.74132354	9.45177765	0.09225312	8.64907042	6316.55104	1511.29127	0	0	0	4.635	6310.11923	0.09713227	0.02323976	4.41555521	0.36796293	0.0031263	0.00086154	0.18939703
23	6318.768298	8.83846745	3.71550186	8.74124656	9.45169442	0.0922523	8.64899426	6310.02705	1509.73035	0	0	0	4.628	6303.60181	0.09722089	0.02326097	4.41958377	0.36829895	0.0031263	0.00086233	0.18948486
24	6312.250805	8.83847912	3.71508341	8.74116953	9.45161112	0.09225149	8.64891804	6303.50964	1508.17102	0	0	0	4.621	6297.09096	0.09730959	0.02328219	4.42361608	0.36863467	0.0031263	0.00086312	0.18957278
25	6305.739877	8.83849082	3.71466499	8.74109244	9.45152776	0.09225068	8.64884174	6296.98742	1506.61322	0	0	0	4.615	6290.58667	0.09739838	0.02330343	4.42765214	0.36897101	0.0031263	0.0008639	0.18966078
26	6299.23551	8.83850254	3.71424661	8.74101529	9.45144435	0.09224986	8.64876543	6290.49489	1505.05701	0	0	0	4.608	6283.08893	0.09749725	0.02332469	4.43161937	0.36930766	0.0031263	0.00086469	0.18974885
27	6292.737998	8.83851427	3.71382826	8.74093809	9.45136087	0.09224905	8.64868904	6283.99676	1503.50037	0	0	0	4.601	6275.59548	0.09757562	0.02334598	4.43573554	0.36963463	0.0031263	0.00086547	0.18983922
28	6286.246436	8.83852605	3.71340995	8.74086082	9.45127733	0.09224823	8.64861259	6277.50558	1501.94930	0	0	0	4.595	6271.11311	0.09766523	0.02336728	4.43978289	0.36996091	0.0031263	0.00086627	0.18992526
29	6279.761721	8.83853785	3.71299168	8.74078351	9.45119373	0.09224742	8.64853609	6271.02094	1500.39779	0	0	0	4.588	6264.63501	0.09775434	0.0233886	4.44383399	0.3703195	0.0031263	0.00086706	0.19001358
30	6273.283547	8.83854967	3.71257344	8.74070613	9.45111006	0.0922466	8.64845953	6264.54284	1498.84785	0	0	0	4.582	6258.16345	0.09784354	0.02340994	4.44788886	0.3706574	0.0031263	0.00086785	0.19010199
31	6266.811908	8.83856152	3.71215254	8.7406287	9.45102634	0.09224578	8.64838292	6258.07128	1497.29947	0	0	0	4.575	6251.69842	0.09793282	0.0234313	4.4519475	0.37099562	0.0031263	0.00086864	0.19019048
32	6260.346801	8.83857339	3.71173708	8.74055121	9.45094255	0.09224497	8.64830624	6251.60625	1495.75265	0	0	0	4.569	6245.23991	0.09802219	0.02345271	4.45600891	0.37133416	0.0031263	0.00086944	0.19027905
33	6253.88822	8.83858529	3.71131785	8.74047566	9.4508587	0.09224415	8.64822951	6245.14775	1494.20740	0	0	0	4.562	6238.78739	0.09811163	0.02347408	4.46007609	0.37167301	0.0031263	0.00087022	0.19036777
34	6247.43616	8.83859722	3.71090086	8.74039605	9.45077478	0.09224333	8.64815273	6238.69576	1492.66370	0	0	0	4.555	6232.34246	0.09820116	0.02349551	4.46414605	0.37201217	0.0031263	0.00087102	0.19045464
35	6240.990617	8.83860917	3.71048281	8.74031839	9.45069081	0.09224251	8.64807588	6232.2503	1491.12157	0	0	0	4.549	6225.90351	0.09829078	0.02351695	4.46821979	0.37235165	0.0031263	0.00087182	0.19054526
36	6234.551584	8.83862114	3.71006479	8.74024067	9.45060677	0.09224169	8.64799898	6225.81134	1489.58099	0	0	0	4.542	6219.47106	0.09838047	0.02353841	4.47272931	0.37269144	0.0031263	0.00087261	0.19063416
37	6228.119056	8.83863314	3.70964681	8.74016289	9.45052266	0.09224087	8.64792202	6219.37889	1488.04147	0	0	0	4.536	6213.04511	0.09847025	0.02355989	4.47637861	0.37303155	0.0031263	0.00087341	0.19072314
38	6221.69303	8.83864516	3.70922887	8.74008505	9.4504385	0.09224005	8.647845	6212.95294	1486.50450	0	0	0	4.529	6206.62565	0.09856011	0.02358139	4.4804637	0.37337198	0.0031263	0.00087421	0.19081221
39	6215.273498	8.83865721	3.70881097	8.74000715	9.45035452	0.09223922	8.64776792	6206.53349	1484.96859	0	0	0	4.523	6200.21269	0.09865006	0.02360291	4.48455258	0.37371272	0.0031263	0.00087501	0.19090136
40	6208.860457	8.83866928	3.7083931	8.73992919	9.45026997	0.0922384	8.64769079	6200.12053	1483.43423	0	0	0	4.516	6193.80621	0.09874009	0.02362445	4.48864525	0.37405377	0.0031263	0.00087578	0.19099059
41	6202.453901	8.83868137	3.70797527	8.73985117	9.45018615	0.09223758	8.64761359	6193.71405	1481.90173	0	0	0	4.510	6187.40621	0.0988302	0.02364601	4.49274172	0.37439514	0.0031263	0.00087656	0.1910799
42	6196.053824	8.83869349	3.70755748	8.73977309	9.45010119	0.09223675	8.64753634	6187.31405	1480.37017	0	0	0	4.503	6181.01268	0.0989204	0.02366759	4.49684198	0.37473683	0.0031263	0.00087734	0.1911693
43	6189.660221	8.83870564	3.70713972	8.73969496	9.45001672	0.09223593	8.64745903	6180.92035	1478.84046	0	0	0	4.497	6174.62563	0.09901068	0.02368919	4.50094605	0.37507984	0.0031263	0.0008782	0.19125878
44	6183.279887	8.83871771	3.706722	8.73961672	9.45003215	0.0922351	8.64738115	6174.5347	1477.31230	0	0	0	4.490	6168.23592	0.09910149	0.0237124	4.50512451	0.37542116	0.0031263	0.00087901	0.19134854
45	6176.892416	8.83873	3.70630342	8.7395385	9.44984754	0.09223428	8.64730423	6168.15288	1475.78569	0	0	0	4.484	6161.8709	0.09919168	0.02373245	4.50916559	0.3757638	0.0031263	0.00087981	0.19143798
46	6170.518204	8.83874221	3.70588668	8.73946019	9.44976285	0.09223345	8.64722674	6161.77874	1474.26062	0	0	0	4.477	6155.50322	0.09928220	0.02375411	4.51328108	0.37610676	0.0031263	0.00088061	0.19152771
47	6164.150444	8.83875445	3.70546908	8.73938181	9.44967811	0.09223262	8.64714919	6155.41106	1472.73709	0	0	0	4.471	6149.14198	0.09937264	0.02377579	4.51740037	0.37645003	0.0031263	0.00088142	0.19161752
48	6157.789131	8.83876671	3.70505151	8.73930337	9.44959392	0.0922318	8.64707158	6149.04983	1471.21511	0	0	0	4.464	6142.78719	0.09946334	0.02379749	4.52152348	0.37679362	0.0031263	0.00088222	0.19170742
49	6151.434259	8.8387779	3.70463398	8.73922488	9.44950842	0.09223097	8.64699391	6142.99503	1469.69467	0	0	0	4.458	6136.48893	0.09955412	0.02381921	4.52565041	0.37717353	0.0031263	0.00088302	0.19179774
50	6145.08524	8.83879012	3.70421649	8.73914637	9.44942347	0.09223014	8.64691619	6136.14668	1468.17577	0	0	0	4.451	6130.09061	0.09964396	0.02384095	4.52979114	0.37749376	0.0031263	0.00088382	0.19188702
51	6138.743819	8.83880364	3.70379904	8.7390677	9.44933846	0.09222931	8.64683839	6130.00475	1466.65841	0	0	0	4.445	6123.7614	0.09973594	0.02386271	4.53391573	0.37782631	0.0031263	0.00088464	0.1919776
52	6132.408239	8.83881599	3.70338162	8.73898902	9.44925339	0.09222848	8.64676054	6123.66925	1465.14258	0	0	0	4.438	6117.43232	0.09982697	0.02388445	4.53805413	0.37817118	0.0031263	0.00088544	0.19206783
53	6126.079079	8.83882837	3.70296424	8.73891027	9.44916825	0.09222765	8.64668263	6117.34017	1463.62892	0	0	0	4.432	6111.10965	0.09991809	0.0239063	4.54219636	0.37851636	0.0031263	0.00088625	0.19215814
54	6119.756332	8.83884077	3.70254258	8.73883147	9.44908304	0.09222682	8.64660465	6111.0715	1462.11554	0	0	0	4.426	6104.79339	0.1000093	0.02392812	4.54634242	0.37886187	0.0031263	0.00088706	0.19224854
55	6113.439993	8.83885319	3.70212426	8.73875276	9.44899766	0.09222606	8.64652662	6104.70214	1460.60432	0	0	0	4.420	6098.48163	0.10010049	0.02394994	4.55049422	0.37920269	0.0031263	0.00088787	0.19233902
56	6107.130057	8.83886564	3.70171234	8.73867368	9.44891242	0.09222515	8.64644853	6098.39138	1459.09463	0	0	0	4.414	6092.18007	0.10019196	0.02397182	4.55464606	0.37955384	0.0031263	0.00088868	0.19242958
57	6100.826518	8.8388781	3.70129512	8.73859469	9.44882703	0.09222432	8.64637037	6092.08792	1457.58647	0	0	0	4.408	6086.885	0.10028342	0.0239937	4.55880363	0.37990093	0.0031263	0.00088949	0.19252022
58	6094.52937	8.8388906	3.70087793	8.73851564	9.44874513	0.09222348	8.64629215	6085.79085	1456.07984	0	0	0	4.402	6079.59232	0.10037496	0.02401561	4.56296506	0.38024709	0.0031263	0.00089031	0.19261095
59	6088.238607	8.83890311	3.70046079	8.73843652	9.44865599	0.09222265	8.64621388	6079.50017	1454.54744	0	0	0	4.396	6073.30801	0.10046658	0.02403753	4.56713033	0.38059419	0.0031263	0.00089112	0.19

20	5740.030241	8.83965067	3.67674793	8.73381912	9.4436633	0.09217392	8.6416452	5731.29642	1371.26388	0	0	0	5.839	5725.45813	0.10583155	0.02532114	4.81101728	0.40091811	0.0931263	0.0009387	0.19801915
21	5734.099777	8.83966434	3.6733306	8.7337634	9.44357358	0.09217304	8.64156309	5725.36604	1369.84498	0	0	0	5.832	5719.53379	0.10592821	0.02534427	4.8154114	0.40128428	0.0931263	0.00093956	0.19811495
22	5728.175735	8.83967804	3.67591823	8.73365308	9.44348377	0.09217217	8.64148092	5719.4417	1368.42753	0	0	0	5.826	5713.61547	0.10602496	0.02536742	4.81989956	0.4016508	0.0931263	0.00094042	0.19821084
23	5722.256953	8.83969176	3.67505044	8.73356096	9.4431939	0.09217129	8.64139857	5713.52338	1367.01152	0	0	0	5.820	5707.70318	0.10616118	0.02539059	4.82421178	0.40202165	0.0931263	0.00094128	0.19830082
24	5716.34458	8.83970549	3.67508868	8.73348677	9.44330394	0.09217041	8.64131636	5707.61109	1365.59695	0	0	0	5.814	5701.79691	0.10626183	0.02541378	4.82861806	0.40238484	0.0931263	0.00094214	0.19840289
91	5710.438225	8.83971925	3.67467397	8.7334035	9.44321391	0.09216953	8.64123397	5701.70482	1364.18382	0	0	0	5.808	5695.89665	0.10635174	0.02543699	4.83302839	0.40275237	0.0931263	0.000943	0.19849905
	5704.537882	8.83973302	3.67425929	8.73332017	9.4431238	0.09216865	8.64115152	5695.80456	1362.77213	0	0	0	5.802	5690.00239	0.10641285	0.02546023	4.83744279	0.40312023	0.0931263	0.00094386	0.19859529
	5698.643545	8.83974681	3.67384466	8.73323676	9.44303361	0.09216777	8.64106899	5689.90131	1361.36188	0	0	0	5.796	5684.11414	0.10651005	0.02548348	4.84186125	0.40348884	0.0931263	0.00094472	0.19869163
	5692.755208	8.83976061	3.67343007	8.73315328	9.44294335	0.09216689	8.64098639	5684.02205	1359.95306	0	0	0	5.790	5678.21818	0.10660733	0.02550676	4.84642879	0.40385698	0.0931263	0.00094559	0.19878805
	5686.872865	8.83977444	3.67301551	8.73306973	9.44285301	0.09216601	8.64090372	5678.1398	1358.54568	0	0	0	5.784	5672.32614	0.10670471	0.02552951	4.85107104	0.40422587	0.0931263	0.00094641	0.19888456
	5680.996511	8.83978828	3.67260099	8.73298611	9.44276259	0.09216513	8.64082098	5672.26352	1357.13973	0	0	0	5.778	5666.48532	0.10680217	0.02555337	4.85514109	0.40459509	0.0931263	0.00094731	0.19898116
	5675.126138	8.83980214	3.67218652	8.73290242	9.4426721	0.09216424	8.64073817	5666.39324	1355.73521	0	0	0	5.772	5660.621	0.10689973	0.02557672	4.85957586	0.40496466	0.0931263	0.00094818	0.19907785
	5669.261742	8.83981602	3.67177208	8.73281865	9.44258152	0.09216336	8.64065529	5660.52892	1354.33212	0	0	0	5.766	5654.76266	0.10699737	0.02560008	4.86401472	0.40533456	0.0931263	0.00094904	0.19917463
	5663.403317	8.83982992	3.67135768	8.73273481	9.44249087	0.09216247	8.64057234	5654.67058	1352.93046	0	0	0	5.760	5648.91028	0.10709511	0.02562346	4.86845766	0.40570481	0.0931263	0.00094991	0.1992715
	5657.550855	8.83984384	3.67094233	8.7326509	9.44240014	0.09216159	8.64048932	5648.81821	1351.53022	0	0	0	5.754	5643.06386	0.10719293	0.02564687	4.87279497	0.40607539	0.0931263	0.00095078	0.19936845
11	5651.704352	8.83985757	3.67052901	8.73256697	9.44230934	0.09216071	8.64040622	5642.97179	1350.13142	0	0	0	5.749	5637.2134	0.10729085	0.02567029	4.87735584	0.40644652	0.0931263	0.00095165	0.19946564
12	5645.863801	8.83987172	3.67011473	8.73248287	9.44221845	0.09215982	8.64032305	5637.13132	1348.73404	0	0	0	5.743	5631.38887	0.10738885	0.02569374	4.88181108	0.40681759	0.0931263	0.00095252	0.19956264
13	5640.025197	8.83988569	3.66970049	8.73239874	9.44212749	0.09215893	8.64023981	5631.2968	1347.33807	0	0	0	5.737	5625.56029	0.10748695	0.02571721	4.88627042	0.4071892	0.0931263	0.00095339	0.19965986
14	5634.200534	8.83989968	3.66928629	8.73231454	9.44203644	0.09215804	8.6401565	5625.46822	1345.94353	0	0	0	5.731	5619.73765	0.10758513	0.0257407	4.89073387	0.40756116	0.0931263	0.00095426	0.19975718
15	5628.377805	8.83991368	3.66887214	8.73223027	9.44194532	0.09215715	8.64007312	5619.64557	1344.55041	0	0	0	5.725	5613.92093	0.10768341	0.02576422	4.89520143	0.40793345	0.0931263	0.00095513	0.19985458
16	5622.561004	8.8399277	3.66845802	8.73214593	9.44185412	0.09215626	8.63998967	5613.82886	1343.15871	0	0	0	5.719	5608.11014	0.10778178	0.02578775	4.89967311	0.40830609	0.0931263	0.000956	0.19995308
17	5616.750127	8.83994174	3.66804394	8.73206151	9.44176284	0.09215537	8.63990614	5608.01807	1341.76843	0	0	0	5.713	5602.30526	0.10788023	0.02581131	4.90414891	0.40867908	0.0931263	0.00095688	0.20004966
18	5610.945166	8.8399558	3.66767299	8.73197702	9.44167149	0.09215448	8.63982254	5602.21319	1340.37956	0	0	0	5.707	5596.50629	0.10797878	0.02583489	4.90862883	0.4090524	0.0931263	0.00095775	0.20014733
19	5605.146115	8.83996988	3.66721589	8.73189245	9.44158005	0.09215358	8.63973887	5596.41422	1338.99211	0	0	0	5.701	5590.71323	0.10807742	0.02585849	4.91311288	0.40942607	0.0931263	0.00095862	0.2002451
20	5599.35297	8.83998397	3.66680193	8.73180782	9.44148853	0.09215269	8.63965513	5590.62116	1337.60606	0	0	0	5.695	5584.92607	0.10817615	0.02588211	4.91760106	0.40980009	0.0931263	0.00095955	0.20034295
21	5593.567514	8.83999808	3.66638801	8.73172311	9.44139694	0.09215178	8.63957131	5584.834	1336.22143	0	0	0	5.689	5579.1448	0.10827497	0.02590575	4.92203937	0.41017445	0.0931263	0.00096038	0.20044049
22	5587.784717	8.84001212	3.66597413	8.73163822	9.44130509	0.09215089	8.63948742	5578.95537	1334.83821	0	0	0	5.683	5573.36837	0.10837388	0.02592851	4.92658982	0.41054502	0.0931263	0.00096121	0.20053893
23	5582.008905	8.84002635	3.66556029	8.73155346	9.44121354	0.09215001	8.63940356	5573.27735	1333.45460	0	0	0	5.678	5567.59992	0.10847289	0.02595311	4.93100041	0.4109242	0.0931263	0.00096213	0.20063706
24	5576.23932	8.84004051	3.66514649	8.73146853	9.44112167	0.09214911	8.63931942	5567.50785	1332.07600	0	0	0	5.672	5561.83629	0.10857198	0.02597682	4.93559515	0.4112996	0.0931263	0.00096301	0.20073527
92	5570.475611	8.84005469	3.66473272	8.73138353	9.44102976	0.09214821	8.63923531	5561.74423	1330.69700	0	0	0	5.666	5556.07854	0.10867117	0.02600055	4.94010404	0.41167534	0.0931263	0.00096389	0.20083358
	5564.717771	8.84006889	3.664319	8.73129845	9.44093776	0.09214732	8.63915113	5555.98647	1329.31941	0	0	0	5.660	5550.32664	0.10877044	0.0260243	4.94461709	0.41205142	0.0931263	0.00096477	0.20093197
	5558.965794	8.84008311	3.66390352	8.73121329	9.44084659	0.09214642	8.63906688	5550.23458	1327.94321	0	0	0	5.654	5544.58061	0.10886981	0.02604808	4.94913429	0.41242786	0.0931263	0.00096565	0.20103046
	5553.219675	8.84009738	3.66348733	8.73112845	9.44075515	0.09214552	8.63898244	5545.14885	1326.56842	0	0	0	5.648	5538.83267	0.10896962	0.02607187	4.95365561	0.4128047	0.0931263	0.00096653	0.20112904
	5547.479408	8.84011159	3.66307807	8.73104276	9.44066613	0.09214462	8.63889815	5538.74837	1325.19503	0	0	0	5.642	5533.10609	0.10906882	0.02609569	4.95818118	0.41318176	0.0931263	0.00096742	0.20122771
	5541.744987	8.84012585	3.6626645	8.73095739	9.44056898	0.09214372	8.63881367	5533.01403	1323.82304	0	0	0	5.637	5527.37759	0.10916847	0.02611953	4.96271087	0.41355924	0.0931263	0.00096833	0.20132647
	5536.016406	8.84014014	3.66225098	8.73087193	9.44047659	0.09214281	8.63872912	5527.28553	1322.45426	0	0	0	5.631	5521.65493	0.1092682	0.02614339	4.96724474	0.41393706	0.0931263	0.00096917	0.20142532
	5530.293658	8.84015444	3.66183749	8.73078641	9.44038411	0.09214191	8.6386445	5521.56287	1321.08325	0	0	0	5.625	5515.93809	0.10936803	0.02616728	4.97178278	0.41431523	0.0931263	0.00097007	0.20152426
	5524.576739	8.84016873	3.66142401	8.73070108	9.44029155	0.09214101	8.63855938	5515.48694	1319.71545	0	0	0	5.619	5510.22795	0.10946785	0.02619108	4.97632501	0.41469375	0.0931263	0.00097094	0.20162329
	5518.856543	8.84018309	3.66101064	8.73061513	9.44020891	0.09214011	8.63847503	5510.13503	1318.34904	0	0	0	5.613	5504.52189	0.10956796	0.02621511	4.98087142	0.41507262	0.0931263	0.00097185	0.20172241
	5513.160362	8.84019744	3.66059727	8.73052938	9.44010619	0.0921392	8.63839018	5504.42983	1316.98402	0	0	0	5.607	5498.8225	0.10966806	0.02623906	4.98542202	0.41545183	0.0931263	0.00097273	0.20182163
12	5507.460893	8.84021181	3.66018394	8.73044356	9.44001339	0.09213829	8.63830526	5498.73045	1315.62039	0	0	0	5.602	5493.12892	0.10976826	0.02626304	4.9899768	0.4158314	0.0931263	0.00097362	0.20192093
13	5501.767228	8.8402262	3.65977066	8.73035765	9.43992051	0.09213739	8.63822027	5493.03687	1314.25815	0	0	0	5.596	5487.44114	0.10986854	0.02628703	4.99453579	0.			

22	5186.63538	8.84107379	3.63627847	8.72533348	9.434488	0.09208436	8.63324912	5177.91005	1238.86124	0	0	0	5.275	5172.63528	0.11574031	0.0276919	5.2614616	0.43845513	0.0931263	0.00102659	0.20784002
23	5181.268528	8.84108914	3.63586746	8.72524304	9.4343902	0.09208341	8.63315963	5172.54329	1237.57720	0	0	0	5.269	5167.27398	0.1158461	0.02717121	5.26627072	0.43885889	0.0931263	0.00102753	0.20794487
24	5175.853151	8.8411046	3.63545665	8.72512571	9.43429322	0.09208245	8.63307006	5167.18199	1236.29446	0	0	0	5.264	5165.91815	0.11595199	0.02774255	5.27108426	0.43925702	0.0931263	0.00102804	0.20804382
95	5170.551222	8.84111268	3.63504557	8.72506191	9.43419435	0.0920815	8.63298041	5161.82616	1235.01303	0	0	0	5.258	5154.55778	0.11605791	0.02776791	5.27590225	0.43965852	0.0931263	0.00102941	0.20815486
2	5165.200757	8.84113527	3.63463469	8.72497122	9.43409629	0.09208054	8.63289086	5156.47579	1233.73290	0	0	0	5.253	5151.22285	0.11616405	0.02779329	5.28072467	0.44006393	0.0931263	0.00103035	0.20826
3	5159.855743	8.84115068	3.63422384	8.72488045	9.43399814	0.09207958	8.63280087	5151.13086	1232.45408	0	0	0	5.248	5145.88337	0.11627023	0.02781869	5.28555154	0.44046263	0.0931263	0.00103129	0.20836524
4	5154.516174	8.84116611	3.63381303	8.7247896	9.43389991	0.09207862	8.63271097	5145.79138	1231.17657	0	0	0	5.242	5140.54933	0.11637651	0.02784412	5.29038286	0.44086524	0.0931263	0.00103224	0.20847058
5	5149.182045	8.84118155	3.63340227	8.72469866	9.43380158	0.09207766	8.632621	5140.45735	1229.90035	0	0	0	5.237	5135.22073	0.11646289	0.02786957	5.29521861	0.44126822	0.0931263	0.00103318	0.20857601
6	5143.853351	8.84119701	3.63299154	8.72460765	9.43370171	0.0920767	8.63253095	5135.12874	1228.62543	0	0	0	5.231	5129.89755	0.11654896	0.02789505	5.30005886	0.44167157	0.0931263	0.00103414	0.20868154
7	5138.530085	8.84112122	3.63258085	8.72451655	9.43360467	0.09207574	8.63244078	5129.80557	1227.35182	0	0	0	5.226	5124.72451557	0.11664993	0.02792091	5.30490521	0.44207531	0.0931263	0.00103517	0.20878717
8	5133.212243	8.84122798	3.6321707	8.72442537	9.43350608	0.09207478	8.63235059	5124.48722	1226.07950	0	0	0	5.220	5119.25747	0.11680261	0.02794607	5.30975221	0.44247939	0.0931263	0.00103602	0.20889289
9	5127.899818	8.84124348	3.63175958	8.72433411	9.4334074	0.09207382	8.63226029	5119.17548	1224.80847	0	0	0	5.215	5113.96055	0.11690937	0.02797161	5.31460633	0.44283886	0.0931263	0.00103696	0.20899871
10	5122.592806	8.84125901	3.63134901	8.72424277	9.43330863	0.09207285	8.63216991	5113.86856	1223.53875	0	0	0	5.210	5108.65903	0.11701624	0.02799718	5.31946443	0.443287	0.0931263	0.00103791	0.20910463
11	5117.291201	8.84127455	3.63093848	8.72415134	9.43320977	0.09207189	8.63207945	5108.56705	1222.27031	0	0	0	5.204	5103.36292	0.11712321	0.02802027	5.324327	0.44369392	0.0931263	0.00103886	0.20921065
12	5111.994897	8.8412901	3.63052798	8.72405983	9.43311083	0.09207092	8.63198801	5103.27094	1221.00317	0	0	0	5.199	5098.0722	0.11723027	0.02804349	5.32919406	0.44409951	0.0931263	0.00103981	0.20931676
13	5106.704189	8.84130567	3.63011753	8.72396824	9.43301179	0.09206995	8.63189828	5097.98022	1219.73732	0	0	0	5.193	5092.7867	0.11733743	0.02807043	5.3340656	0.44450547	0.0931263	0.00104076	0.20942298
14	5101.481772	8.84132126	3.62970711	8.72387656	9.43291267	0.09206899	8.63180758	5092.6949	1218.47276	0	0	0	5.188	5087.50693	0.1174447	0.02809699	5.33894164	0.4449118	0.0931263	0.00104171	0.20952929
15	5096.138739	8.84133686	3.62929673	8.72378481	9.43281345	0.09206802	8.63171679	5087.41495	1217.20948	0	0	0	5.183	5082.23237	0.11755206	0.02812538	5.34382217	0.44531851	0.0931263	0.00104266	0.2096357
16	5090.864086	8.84135248	3.6288864	8.72369297	9.43271415	0.09206705	8.63162592	5082.10329	1215.94750	0	0	0	5.177	5076.96318	0.11765952	0.02815109	5.34870719	0.4457256	0.0931263	0.00104362	0.2097422
17	5085.594806	8.84136812	3.6284761	8.7236017	9.43261475	0.09206608	8.63153497	5076.81211	1214.68880	0	0	0	5.172	5071.69936	0.11776707	0.02817682	5.35359672	0.44613306	0.0931263	0.00104467	0.20984841
18	5080.330995	8.84138377	3.62806584	8.72350904	9.43251527	0.09206511	8.63144393	5071.60739	1213.42738	0	0	0	5.166	5066.4409	0.11787473	0.02820258	5.35849076	0.44654609	0.0931263	0.00104552	0.20995551
19	5075.072347	8.84139944	3.62765561	8.72341695	9.4324157	0.09206414	8.63135281	5066.34893	1212.16925	0	0	0	5.161	5061.1878	0.11798249	0.02822836	5.36338931	0.44694911	0.0931263	0.00104648	0.21006231
20	5069.819157	8.84141513	3.62724543	8.72332478	9.43231603	0.09206316	8.63126162	5061.09583	1210.91240	0	0	0	5.156	5055.94006	0.11809035	0.02825417	5.36829238	0.4473577	0.0931263	0.00104744	0.21016921
21	5064.571318	8.84143083	3.62683529	8.72323252	9.43221628	0.09206219	8.63117033	5055.84809	1209.65683	0	0	0	5.150	5050.69766	0.1181983	0.02828	5.37319996	0.44776666	0.0931263	0.00104839	0.21027621
22	5059.328827	8.84144654	3.62642518	8.72314018	9.43211644	0.09206122	8.63107897	5050.60569	1208.40254	0	0	0	5.145	5045.4606	0.11830636	0.02830585	5.37811207	0.44817601	0.0931263	0.00104935	0.21038331
23	5054.091676	8.84146227	3.62601512	8.72304776	9.43201665	0.09206024	8.63098752	5045.36863	1207.14952	0	0	0	5.140	5040.22887	0.11841451	0.02833173	5.38302871	0.44858573	0.0931263	0.00105031	0.2104905
24	5048.859652	8.84147802	3.62560509	8.72295526	9.43191648	0.09205926	8.63089549	5040.13691	1205.89779	0	0	0	5.134	5035.00248	0.11852271	0.0283576	5.38794988	0.44899277	0.0931263	0.00105127	0.2105978
96	5043.633377	8.84149379	3.6251951	8.72286391	9.43181636	0.09205829	8.63080438	5034.91051	1204.64733	0	0	0	5.129	5029.78149	0.11863112	0.02838356	5.39287558	0.44940463	0.0931263	0.00105223	0.21070519
25	5038.412218	8.84150957	3.62478516	8.72276999	9.43171616	0.09205731	8.63071268	5029.68945	1203.39814	0	0	0	5.124	5024.56567	0.11873958	0.0284095	5.39780583	0.44981715	0.0931263	0.0010532	0.21081268
26	5033.196378	8.84152537	3.62437525	8.72267724	9.43161586	0.09205633	8.63062091	5024.4737	1202.15023	0	0	0	5.118	5019.35523	0.11884813	0.02843548	5.40274062	0.45022839	0.0931263	0.00105416	0.21092027
27	5027.985852	8.84154118	3.62396537	8.72258439	9.43151547	0.09205535	8.63052904	5019.26327	1200.90358	0	0	0	5.113	5014.15011	0.11895678	0.02846147	5.40767996	0.4506104	0.0931263	0.00105512	0.21102796
28	5022.780635	8.84155701	3.62355554	8.72249147	9.431415	0.09205437	8.6304371	5014.05814	1199.65821	0	0	0	5.108	5008.95028	0.11906554	0.02848749	5.41262386	0.45105199	0.0931263	0.00105609	0.21113575
29	5017.580721	8.84157245	3.62314575	8.72239867	9.43131544	0.09205339	8.63034517	5008.95327	1198.41411	0	0	0	5.103	5003.74257	0.11917418	0.02851347	5.41757231	0.45146436	0.0931263	0.00105705	0.21124346
30	5012.386105	8.84158871	3.622736	8.72230536	9.43121737	0.09205241	8.63025256	5003.6638	1197.17127	0	0	0	5.097	4998.56653	0.11928335	0.02853961	5.42252533	0.45187711	0.0931263	0.00105802	0.21135163
31	5007.196782	8.84160459	3.62232628	8.72221219	9.43111301	0.09205142	8.63016076	4998.47457	1195.92970	0	0	0	5.092	4993.38258	0.11939324	0.0285657	5.42748291	0.45229024	0.0931263	0.00105899	0.21145972
32	5002.012746	8.84162048	3.62191166	8.72211892	9.43101217	0.09205044	8.63006849	4993.29063	1194.68940	0	0	0	5.087	4988.20392	0.11950156	0.02859182	5.43234507	0.45270376	0.0931263	0.00105995	0.21156762
33	4996.833991	8.84163639	3.62150097	8.72202558	9.43091124	0.09204945	8.62997612	4988.11197	1193.45036	0	0	0	5.081	4983.03054	0.11961082	0.02861796	5.43741138	0.45311765	0.0931263	0.00106092	0.2116762
34	4991.669513	8.84165232	3.62109077	8.72193234	9.43081021	0.09204847	8.62988368	4983.06388	1192.21258	0	0	0	5.076	4977.86241	0.11971912	0.02864381	5.44248162	0.45353193	0.0931263	0.00106188	0.21178458
35	4986.492305	8.84166826	3.62068781	8.72183863	9.43070909	0.09204748	8.62979115	4977.77047	1190.97606	0	0	0	5.071	4972.69557	0.11982623	0.02867031	5.447359	0.45394568	0.0931263	0.00106286	0.21189307
36	4981.329364	8.84168422	3.62027829	8.72174503	9.43060788	0.09204649	8.62969853	4972.60762	1189.74080	0	0	0	5.066	4967.54198	0.11993919	0.02869652	5.45233948	0.45436162	0.0931263	0.00106384	0.21200166
37	4976.171683	8.84170019	3.61988681	8.72165134	9.43050658	0.0920455	8.62960584	4967.45003	1188.50680	0	0	0	5.060	4962.38965	0.12004885	0.02872276	5.45732455	0.45477705	0.0931263	0.00106481	0.21211035
38	4971.019256	8.84171618	3.61945936	8.72155757	9.43040519	0.09204451	8.62951305	4962.2977	1187.27406	0	0	0	5.055	4957.24257	0.12015861	0.02874902	5.46231422	0.45519285	0.0931263	0.00106578	0.21221913

99	24	4685.845869	8.84265425	3.59618497	8.71606897	9.4244705	0.09198659	8.62408238	4677.1298	1119.04509	0	0	0	4.765	4672.36517	0.12658529	0.03028666	5.75446554	0.4795388	0.0931263	0.00112279	0.2185888
	1	4680.989249	8.84267118	3.59577776	8.7159701	9.4243663	0.09198554	8.62398456	4672.27328	1117.88313	0	0	0	4.760	4667.51359	0.12670108	0.03031436	5.75972933	0.4799774	0.0931263	0.00112281	0.21870357
	2	4676.137577	8.84268812	3.59537059	8.71587115	9.42425661	0.09198485	8.62388665	4667.42171	1116.72235	0	0	0	4.755	4662.66666	0.12681598	0.03034209	5.76499797	0.4804165	0.0931263	0.00112284	0.21881844
	3	4671.29048	8.84270508	3.59496346	8.7157721	9.42414951	0.09198345	8.62378865	4662.57508	1115.56275	0	0	0	4.750	4657.87854	0.12693298	0.03036985	5.77027147	0.48085596	0.0931263	0.00112587	0.21893141
	4	4666.449058	8.84272206	3.59455637	8.71567297	9.42404232	0.09198241	8.62369056	4657.73339	1114.40433	0	0	0	4.745	4652.98851	0.12704009	0.03039763	5.77554984	0.48129582	0.0931263	0.00112669	0.2190485
	5	4661.612201	8.84273905	3.59414931	8.71557374	9.42393503	0.09198136	8.62359238	4652.89663	1113.24709	0	0	0	4.740	4648.15668	0.12716531	0.03042544	5.78083309	0.48173609	0.0931263	0.00112793	0.21916568
	6	4656.780273	8.84275606	3.59374229	8.71547442	9.42382764	0.09198031	8.62349411	4648.0648	1112.09313	0	0	0	4.735	4643.32977	0.12728164	0.03045327	5.78612121	0.48217677	0.0931263	0.00112896	0.21927898
	7	4651.953267	8.84277309	3.59333531	8.71537501	9.42372015	0.09197926	8.62339575	4643.23789	1110.93615	0	0	0	4.730	4638.50778	0.12739807	0.03048113	5.79141221	0.48261785	0.0931263	0.00112999	0.21939438
	8	4647.13118	8.84279013	3.59293287	8.71527551	9.42361256	0.09197821	8.62329733	4638.41519	1109.78245	0	0	0	4.725	4633.68071	0.12751462	0.03050906	5.79671209	0.48305954	0.0931263	0.00113103	0.21950989
	9	4642.314006	8.84280716	3.59252147	8.71517592	9.42350488	0.09197716	8.62319876	4633.59883	1108.62992	0	0	0	4.720	4628.85784	0.12763126	0.03053692	5.80201748	0.48350124	0.0931263	0.00113206	0.2196255
	10	4637.501741	8.84282426	3.59211461	8.71507624	9.42339709	0.09197611	8.62310013	4628.78666	1107.47857	0	0	0	4.715	4624.07128	0.12774802	0.03056486	5.80732254	0.48394355	0.0931263	0.00113311	0.21974122
	11	4632.694378	8.84284135	3.59170778	8.71497647	9.42328921	0.09197506	8.62300141	4623.9794	1106.32839	0	0	0	4.710	4619.26891	0.12786489	0.03059282	5.81263511	0.48438626	0.0931263	0.00113414	0.21985705
	12	4627.891914	8.84285846	3.59130099	8.7148766	9.42318123	0.091974	8.6229026	4619.17704	1105.17938	0	0	0	4.706	4614.47144	0.12798186	0.0306208	5.81795259	0.48482839	0.0931263	0.00113517	0.21997299
	13	4623.094343	8.84287559	3.59089424	8.71477665	9.42307315	0.09197295	8.6228037	4614.37957	1104.03154	0	0	0	4.701	4609.67886	0.12809894	0.03064882	5.82327497	0.48527291	0.0931263	0.00113621	0.22008903
	14	4618.30166	8.84289273	3.59048753	8.7146766	9.42296497	0.09197189	8.6227047	4609.58688	1102.88487	0	0	0	4.696	4604.88116	0.12821613	0.03067685	5.82860227	0.48571686	0.0931263	0.00113725	0.22020518
	15	4613.513661	8.84290988	3.59008086	8.71457646	9.42285669	0.09197084	8.62260562	4604.79928	1101.73937	0	0	0	4.691	4600.10833	0.12833342	0.03070402	5.83393448	0.48616121	0.0931263	0.00113829	0.22032143
	16	4608.73094	8.84292706	3.58967422	8.71447623	9.42274831	0.09196978	8.62250645	4600.01646	1100.59504	0	0	0	4.686	4595.33039	0.12845083	0.03073301	5.83927162	0.48660597	0.0931263	0.00113933	0.2204378
	17	4603.952892	8.84294425	3.58926763	8.7143759	9.42263983	0.09196872	8.62240718	4595.23852	1099.45187	0	0	0	4.681	4590.55731	0.12856834	0.03076112	5.84461368	0.48705114	0.0931263	0.00114038	0.22055427
	18	4599.197713	8.84296145	3.58886102	8.71427549	9.42253136	0.09196766	8.62230783	4590.46544	1098.30987	0	0	0	4.676	4585.78909	0.12868596	0.03078927	5.84996068	0.48749672	0.0931263	0.00114142	0.22067085
	19	4594.411397	8.84297867	3.58845455	8.71417498	9.42242258	0.09196666	8.62220838	4585.69722	1097.16903	0	0	0	4.671	4581.02573	0.12880369	0.03081743	5.85531261	0.48794272	0.0931263	0.00114246	0.22078753
	20	4589.647939	8.84299591	3.58804806	8.71407438	9.42231381	0.09196554	8.62210884	4580.93386	1096.02936	0	0	0	4.667	4576.26723	0.12892153	0.03084563	5.86066949	0.48838912	0.0931263	0.00114351	0.22090433
	21	4584.889335	8.84301317	3.58764162	8.71397369	9.42220493	0.09196448	8.62200921	4576.17536	1094.89084	0	0	0	4.662	4571.51357	0.12903948	0.03087385	5.86603131	0.48883594	0.0931263	0.00114455	0.22102123
	22	4580.13558	8.84303044	3.58723521	8.7138729	9.42209595	0.09196341	8.62190949	4571.42171	1093.75349	0	0	0	4.657	4566.76476	0.12915754	0.0309021	5.87139808	0.48928313	0.0931263	0.00114559	0.22113824
	23	4575.386668	8.84304773	3.58682884	8.71377203	9.42198688	0.09196235	8.62180968	4566.6729	1092.61729	0	0	0	4.652	4562.02079	0.1292757	0.03093037	5.8767698	0.48973082	0.0931263	0.00114665	0.22125536
	24	4570.642595	8.84306504	3.58642251	8.71367106	9.4218777	0.09196128	8.62170977	4561.92892	1091.48226	0	0	0	4.647	4557.28165	0.12939398	0.03095867	5.88214649	0.49017887	0.0931263	0.00114777	0.22137258
	1	4565.903555	8.84308236	3.58601622	8.71356999	9.42176842	0.09196021	8.62160978	4557.18979	1090.34837	0	0	0	4.642	4552.54734	0.12951236	0.03098699	5.88752854	0.49062734	0.0931263	0.00114885	0.22148992
	2	4561.168045	8.84310097	3.58560629	8.71346907	9.42165925	0.09195915	8.62150978	4552.45548	1089.21565	0	0	0	4.637	4547.811468	0.12963128	0.03101518	5.89201476	0.49107826	0.0931263	0.00114991	0.22160736
	3	4556.439359	8.84311705	3.58520375	8.71336759	9.42155075	0.09195808	8.62140951	4547.72599	1088.08408	0	0	0	4.632	4543.09318	0.12974046	0.03104372	5.89830635	0.49152553	0.0931263	0.00115085	0.22172491
	4	4551.714591	8.84313442	3.58479757	8.71326625	9.42143999	0.09195701	8.62130924	4543.00132	1086.95366	0	0	0	4.628	4538.37333	0.12986817	0.03107212	5.90370292	0.49197524	0.0931263	0.00115159	0.22184257
	5	4546.994638	8.84315181	3.58439143	8.71316482	9.42133032	0.09195594	8.62120888	4538.28147	1085.82439	0	0	0	4.623	4533.65828	0.12998699	0.03110055	5.90910447	0.49242537	0.0931263	0.00115259	0.22196034
	6	4542.279493	8.84316921	3.58398532	8.71306329	9.42122054	0.09195487	8.62110842	4533.56643	1084.69628	0	0	0	4.618	4528.94805	0.13010593	0.03112901	5.91451101	0.49287592	0.0931263	0.00115401	0.22207821
	7	4537.569154	8.84318664	3.58357926	8.71296167	9.42111066	0.09195379	8.62100787	4528.85619	1083.56931	0	0	0	4.614	4524.24261	0.13022497	0.03115749	5.91992255	0.49332688	0.0931263	0.00115507	0.2221962
	8	4532.863613	8.84320394	3.58317323	8.71286019	9.42100064	0.09195272	8.62090722	4524.15075	1082.44149	0	0	0	4.609	4519.54192	0.13034318	0.03118591	5.92533909	0.49377826	0.0931263	0.00115607	0.22231429
	9	4528.162687	8.84322153	3.58276724	8.71275815	9.42089059	0.09195165	8.62080605	4519.45011	1081.31882	0	0	0	4.604	4514.8461	0.13046338	0.03121453	5.93076061	0.49423005	0.0931263	0.00115718	0.2224325
	10	4523.466911	8.843239	3.58236129	8.71265625	9.42078041	0.09195057	8.62070567	4514.75425	1080.19529	0	0	0	4.599	4510.15503	0.13058275	0.03124309	5.93618715	0.49468226	0.0931263	0.00115824	0.22255081
	11	4518.77574	8.84325649	3.58195538	8.71255425	9.42067013	0.0919495	8.62060476	4510.06319	1079.07921	0	0	0	4.594	4505.46874	0.13070223	0.03127168	5.9416187	0.49513489	0.0931263	0.00115931	0.22266923
	12	4514.089348	8.84327399	3.5815405	8.71245216	9.42055974	0.09194842	8.62050375	4505.3769	1077.95168	0	0	0	4.590	4500.78723	0.13082183	0.03130029	5.94587794	0.49558794	0.0931263	0.00116036	0.22278776
	13	4509.407731	8.84330911	3.58113893	8.71235024	9.42044926	0.09194734	8.62040364	4500.28148	1076.83158	0	0	0	4.585	4496.10623	0.13094153	0.03132893	5.95024968	0.49606141	0.0931263	0.00116142	0.22290641
	14	4504.730885	8.84333005	3.58073787	8.71224771	9.42033867	0.09194626	8.62030145	4496.01864	1075.71263	0	0	0	4.580	4491.4385	0.13106134	0.0313576	5.95498447	0.49649529	0.0931263	0.00116249	0.22302516
	15	4500.058804	8.8433266	3.5803321	8.71214534	9.42022798	0.09194518	8.62020016	4491.34666	1074.59482	0	0	0	4.575	4486.77128	0.13118127	0.03138629	5.95935911	0.49694959	0.0931263	0.00116355	0.22314402
	16	4495.391483	8.84334417	3.57992368	8.71204287	9.42011719	0.0919441	8.62009877	4486.67944	1073.47814	0	0	0	4.571	4482.10882	0.1313013	0.03141501	5.96885179	0.49740432	0.0931263	0.00116462	0.22326299
	17	4490.728918	8.84336176	3.57952069	8.71194031	9.42000629																

2	4232.668497	8.8443922	3.55645879	8.70593577	9.41351372	0.09187965	8.61405612	4223.96256	1010.62078	0	0	0	4.303	4219.65957	0.13845644	0.03312694	6.29411851	0.52450088	0.0931263	0.00122808	0.23035466
2	4228.273628	8.84441078	3.55605528	8.70582788	9.41339675	0.0918785	8.61394908	4219.5678	1009.56890	0	0	0	4.299	4215.26929	0.13858319	0.03315727	6.29988081	0.52499007	0.0931263	0.0012292	0.23048029
3	4223.885237	8.84442957	3.55656138	8.7057193	9.41327967	0.09187736	8.61391194	4215.17752	1007.55938	0	0	0	4.294	4210.88348	0.13871007	0.03318762	6.30564843	0.5254707	0.0931263	0.00123033	0.23060604
5	4219.49732	8.8444798	3.55524837	8.70561092	9.41316248	0.09187622	8.61373477	4210.79171	1007.40594	0	0	0	4.290	4206.50214	0.13889706	0.03321801	6.31142139	0.52595178	0.0931263	0.00123146	0.23073191
6	4215.115872	8.84446661	3.55844497	8.70550244	9.41304518	0.09187507	8.61362737	4206.41037	1006.42126	0	0	0	4.285	4202.12526	0.13896417	0.03324842	6.31719968	0.52643331	0.0931263	0.00123258	0.23085789
7	4210.738889	8.84448525	3.55444161	8.70539386	9.41292777	0.09187393	8.61351993	4202.03349	1005.37406	0	0	0	4.281	4197.75284	0.13909014	0.03327886	6.32298332	0.52691528	0.0931263	0.00123371	0.23098399
8	4206.366365	8.84450392	3.55034829	8.70528517	9.41281025	0.09187278	8.61341214	4197.661008	1004.32792	0	0	0	4.276	4193.38488	0.13921874	0.03330393	6.32877231	0.52739769	0.0931263	0.00123484	0.2311027
9	4201.998296	8.8445226	3.553635	8.70517639	9.41269623	0.09187163	8.61330476	4193.29312	1003.22825	0	0	0	4.272	4189.02137	0.1393462	0.03333982	6.33456665	0.52788055	0.0931263	0.00123597	0.23123653
10	4197.634679	8.84454129	3.55321375	8.70506751	9.41257479	0.09187048	8.61319703	4188.92961	1002.23884	0	0	0	4.267	4184.66231	0.13947378	0.03337035	6.34039635	0.52836866	0.0931263	0.0012371	0.23136298
11	4193.275508	8.84456004	3.55279583	8.70495853	9.41245706	0.09186933	8.61308919	4184.57055	1001.19589	0	0	0	4.262	4180.30769	0.13960148	0.0334009	6.34617141	0.52884782	0.0931263	0.00123824	0.23148955
12	4188.920778	8.84457874	3.55242536	8.70484944	9.41233911	0.09186818	8.61298126	4180.21593	1000.15401	0	0	0	4.258	4175.9575	0.1397239	0.03343148	6.35193184	0.52933182	0.0931263	0.00123937	0.23161623
13	4184.570486	8.84459749	3.55202222	8.70474026	9.41222105	0.09186703	8.61287323	4175.86575	999.11319	0	0	0	4.254	4171.61175	0.13985723	0.03346209	6.35779764	0.52981647	0.0931263	0.00124051	0.23174303
14	4180.224626	8.84461626	3.55161912	8.70463097	9.41210288	0.09186588	8.6127651	4171.52	998.07343	0	0	0	4.250	4167.27043	0.13998529	0.03349273	6.36361882	0.53030157	0.0931263	0.00124164	0.23186995
15	4175.883195	8.84463504	3.55121606	8.70452519	9.4119846	0.09186472	8.61265687	4167.17867	997.03473	0	0	0	4.245	4162.93353	0.14001346	0.03352324	6.36944538	0.53078712	0.0931263	0.00124278	0.23199688
16	4171.546187	8.84465383	3.55081392	8.7044121	9.41186622	0.09186357	8.61254853	4162.84178	995.99709	0	0	0	4.241	4158.60105	0.14004315	0.03355368	6.37527734	0.53127731	0.0931263	0.00124392	0.23212413
17	4167.213599	8.84467267	3.55041004	8.70430024	9.41174772	0.09186241	8.61244001	4158.59051	994.96591	0	0	0	4.236	4154.27298	0.14007316	0.03358481	6.38111469	0.53177596	0.0931263	0.00124505	0.23225214
18	4162.885425	8.84469151	3.55000709	8.70419282	9.41162912	0.09186125	8.61233157	4154.18123	993.92498	0	0	0	4.232	4149.94933	0.14009868	0.03361557	6.38695743	0.53224645	0.0931263	0.00124619	0.23237879
19	4158.561661	8.84471036	3.54960417	8.70408303	9.41151041	0.09186009	8.61222294	4149.85758	992.89050	0	0	0	4.227	4145.63008	0.14062733	0.03364635	6.39280558	0.53273738	0.0931263	0.00124734	0.2325063
20	4154.242304	8.84472923	3.54920129	8.70397314	9.41139158	0.09185893	8.61211421	4145.33833	991.85709	0	0	0	4.223	4141.31523	0.14075609	0.03367715	6.39863954	0.53322159	0.0931263	0.00124848	0.23263392
21	4149.927347	8.84474812	3.54879845	8.70386315	9.41127265	0.09185777	8.61200537	4141.23488	990.82472	0	0	0	4.219	4137.00478	0.14088498	0.03370799	6.40451811	0.53370984	0.0931263	0.00124962	0.23276166
22	4145.616787	8.84476703	3.54839565	8.70375305	9.41115361	0.09185661	8.61189644	4136.91303	989.79341	0	0	0	4.214	4132.68872	0.14101398	0.03373886	6.4103825	0.53419854	0.0931263	0.00125077	0.23288952
23	4141.310619	8.84478596	3.54799288	8.70364285	9.41103445	0.09185545	8.61178741	4132.60698	988.76314	0	0	0	4.210	4128.39705	0.14114311	0.03376975	6.41625232	0.53468769	0.0931263	0.00125191	0.2330175
24	4137.008839	8.8448049	3.54759015	8.70352526	9.41091519	0.09185428	8.61167827	4128.30531	987.73393	0	0	0	4.206	4124.09976	0.14127235	0.03380067	6.42212757	0.5351773	0.0931263	0.00125306	0.23314559
104	1	4132.711443	8.84482386	3.54718746	9.41079582	0.09185312	8.61156904	4124.00802	986.70577	0	0	0	4.201	4119.80866	0.14140171	0.03383162	6.42800825	0.53566735	0.0931263	0.0012542	0.23327381
2	4128.418425	8.84484284	3.5467848	8.70331165	9.41067633	0.09185195	8.61145597	4119.71511	985.67865	0	0	0	4.197	4115.51832	0.14153119	0.0338626	6.43389437	0.53615786	0.0931263	0.00125535	0.23340214
3	4124.129782	8.84486184	3.54638218	8.70320154	9.41055674	0.09185078	8.61135026	4115.42658	984.65258	0	0	0	4.192	4111.23416	0.14166079	0.03389361	6.43978593	0.53664883	0.0931263	0.0012565	0.23353059
4	4119.845508	8.84488084	3.54597304	8.70309162	9.41043704	0.09184962	8.61124073	4111.44242	983.62767	0	0	0	4.188	4106.95822	0.14179026	0.03392451	6.44548293	0.53714025	0.0931263	0.00125761	0.23365916
5	4115.565601	8.84489989	3.5455709	8.70297953	9.41031722	0.09184845	8.61113109	4106.82622	982.60358	0	0	0	4.184	4102.67892	0.14192033	0.033959571	6.45137632	0.53763212	0.0931263	0.00125878	0.23378785
6	4111.290054	8.84491894	3.54517454	8.70286862	9.4101973	0.09184728	8.61102135	4102.58719	981.58064	0	0	0	4.179	4098.40784	0.14205032	0.03398681	6.45749335	0.53812445	0.0931263	0.00125996	0.23391666
7	4107.018863	8.84493801	3.54477207	8.70275761	9.41007726	0.0918461	8.6109115	4098.31611	980.55875	0	0	0	4.175	4094.14111	0.1421804	0.03401793	6.46340675	0.53861723	0.0931263	0.00126111	0.23405559
8	4102.752025	8.84495709	3.54439694	8.70264649	9.40995711	0.09184493	8.61080156	4094.04938	979.53789	0	0	0	4.171	4089.87873	0.14231306	0.03404908	6.46932562	0.53911047	0.0931263	0.00126227	0.23417463
9	4098.499385	8.8449762	3.54396724	8.70253527	9.40983686	0.09184376	8.61069152	4089.787	978.51808	0	0	0	4.166	4085.6207	0.14244492	0.03408026	6.47524996	0.53960418	0.0931263	0.00126342	0.2343038
10	4094.231388	8.84499507	3.54354609	8.70242508	9.40971649	0.09184258	8.61058167	4085.52931	977.49931	0	0	0	4.162	4081.35199	0.14257136	0.03411132	6.48129973	0.54015908	0.0931263	0.00126457	0.23443399
11	4089.97578	8.84501446	3.54313255	8.70231253	9.40959601	0.09184141	8.61047112	4081.27527	976.48157	0	0	0	4.158	4077.11763	0.14270193	0.03414271	6.48711509	0.54069292	0.0931263	0.00126574	0.23456249
12	4085.728106	8.84503361	3.54276026	8.702201	9.40947541	0.09184023	8.61036077	4077.0259	975.46488	0	0	0	4.154	4072.8726	0.14283261	0.03417398	6.4930559	0.54108799	0.0931263	0.00126689	0.23469202
13	4081.482962	8.84505279	3.54235801	8.70208937	9.40935471	0.09183905	8.61025032	4072.78087	974.44921	0	0	0	4.149	4068.63189	0.14296342	0.03420527	6.4990022	0.54158352	0.0931263	0.00126806	0.23482166
14	4077.242144	8.84507198	3.54195758	8.70197764	9.4092339	0.09183787	8.61013977	4068.54017	973.43459	0	0	0	4.145	4064.39551	0.14309434	0.0342366	6.504954	0.54207795	0.0931263	0.00126922	0.23495143
15	4073.005647	8.84509133	3.54155362	8.7018658	9.40911297	0.09183669	8.61002938	4064.43378	972.42099	0	0	0	4.141	4060.16344	0.14322538	0.0342679	6.5109113	0.54257594	0.0931263	0.00127039	0.23508013
16	4068.77467	8.84511042	3.54115148	8.70175386	9.40899193	0.09183551	8.60991835	4060.07171	971.40843	0	0	0	4.136	4055.93568	0.14335656	0.03429934	6.51687412	0.54307784	0.0931263	0.00127154	0.23521132
17	4064.545599	8.84512967	3.54074938	8.70164182	9.40887078	0.09183433	8.60980749	4055.84386	970.39691	0	0	0	4.132	4051.71223	0.14348785	0.03433075	6.52284246	0.54357201	0.0931263	0.00127271	0.23534144
18	4060.32204	8.84514893	3.54034731	8.70152967	9.40874952	0.09183315	8.60969653	4051.62051	969.38641	0	0	0	4.127	4047.49309	0.14361926	0.03436219	6.52881632	0.54406803	0.0931263	0.00127387	0.23547169
19	4056.102784	8.84516822	3.53994528	8.70141742	9.40862815	0.09183196	8.60958546	4047.40137	968.37694	0	0	0	4.123	4043.27824	0.14375079	0.03439366	6.53479571	0.54456631	0.0931263	0.00127504	0.23560205
20	4051.887827	8.84518752	3.																		

4	3822.578642	8.84629753	3.51708999	8.69484456	9.40152107	0.09176259	8.60380196	3813.8838	912.50578	0	0	0	3.885	3809.9856	0.15145298	0.03623648	6.88493086	0.57374424	0.0031263	0.00134336	0.24323592
5	3818.601641	8.84631789	3.51669007	8.69472612	9.40139303	0.09176134	8.60296478	3809.90691	911.55427	0	0	0	3.881	3806.02573	0.15159176	0.03626968	6.89123998	0.57427	0.0031263	0.00134459	0.24337348
6	3814.628693	8.84633826	3.51626919	8.69467058	9.40124863	0.09176009	8.60284749	3805.93409	910.60374	0	0	0	3.877	3802.56695	0.15173968	0.03630292	6.89755495	0.57479625	0.0031263	0.00134582	0.24351116
7	3810.659793	8.84635865	3.51580925	8.69448892	9.40113653	0.09175884	8.60277002	3801.9651	909.65417	0	0	0	3.873	3798.09221	0.15186972	0.03633619	6.90387579	0.57532298	0.0031263	0.00134705	0.24364897
8	3806.694937	8.84637905	3.51545054	8.69437016	9.40100812	0.09175759	8.60261257	3798.00507	908.70557	0	0	0	3.869	3794.13151	0.1520089	0.03636949	6.91020246	0.5758502	0.0031263	0.00134829	0.24378691
9	3802.734122	8.84639948	3.51509077	8.69425128	9.40087958	0.09175633	8.60249495	3794.03987	907.75794	0	0	0	3.865	3790.17485	0.1521482	0.03640282	6.916353	0.57637792	0.0031263	0.00134952	0.24392498
10	3798.777342	8.84641993	3.51469133	8.6941323	9.40075903	0.09175508	8.60237732	3790.08321	906.81127	0	0	0	3.861	3786.22222	0.15228763	0.03643618	6.92287341	0.57690612	0.0031263	0.00135076	0.24406317
11	3794.824595	8.84644039	3.51429133	8.69401321	9.40066215	0.09175382	8.60225939	3786.13058	905.86557	0	0	0	3.857	3782.27362	0.15242719	0.03646957	6.92921769	0.57734481	0.0031263	0.00135192	0.24420149
12	3790.87875	8.84646088	3.51389167	8.69388884	9.40056936	0.09175256	8.60214144	3782.18038	904.92083	0	0	0	3.853	3778.29204	0.15256688	0.03650299	6.93556758	0.57796399	0.0031263	0.00135324	0.24433994
13	3786.931179	8.84648138	3.51349204	8.69377669	9.40046425	0.0917513	8.60202318	3778.23776	903.97766	0	0	0	3.849	3774.38848	0.15270614	0.03653641	6.94129139	0.57849366	0.0031263	0.00135448	0.24447652
14	3782.990503	8.8465019	3.51309245	8.69365256	9.40032511	0.09175004	8.60190522	3774.26865	903.03424	0	0	0	3.845	3770.51594	0.15284664	0.03656993	6.94828583	0.57902382	0.0031263	0.00135572	0.24461723
15	3779.053842	8.84652245	3.51269289	8.69353572	9.40010586	0.09174878	8.60178694	3770.36031	902.09239	0	0	0	3.841	3766.51941	0.15298672	0.03660344	6.95465366	0.57955447	0.0031263	0.00135696	0.24475606
16	3775.121193	8.84654301	3.51229337	8.69341608	9.39997649	0.09174752	8.60166856	3766.42778	901.15150	0	0	0	3.837	3762.59088	0.15312693	0.03663699	6.9610274	0.58008562	0.0031263	0.00135832	0.24489503
17	3771.192551	8.84656359	3.51189389	8.69329632	9.3999847	0.09174625	8.60155007	3762.49925	900.21156	0	0	0	3.833	3758.66636	0.15326727	0.03667056	6.96740704	0.58061725	0.0031263	0.00135945	0.24503412
18	3767.267913	8.84658419	3.51149444	8.69317945	9.39991759	0.09174499	8.60143176	3758.57474	899.27259	0	0	0	3.829	3754.74584	0.15340774	0.03670417	6.97373929	0.58114938	0.0031263	0.0013607	0.24517334
19	3763.347273	8.8465048	3.51109503	8.69305647	9.39987866	0.09174372	8.60131275	3754.65422	898.33457	0	0	0	3.825	3750.82933	0.15354833	0.03673781	6.98018405	0.5816682	0.0031263	0.00136194	0.24531269
20	3759.430629	8.84652454	3.51069565	8.69293638	9.39945781	0.09174245	8.60119392	3750.73769	897.39751	0	0	0	3.821	3746.91678	0.15368906	0.03677148	6.98658145	0.58221512	0.0031263	0.00136319	0.24545217
21	3755.517976	8.8466461	3.51029631	8.69281618	9.39932783	0.09174119	8.60107499	3746.82516	896.46140	0	0	0	3.817	3743.00823	0.15382992	0.03680518	6.99298478	0.58274783	0.0031263	0.00136444	0.24559178
22	3751.60931	8.84666677	3.509897	8.69269586	9.39919774	0.09173992	8.60095595	3742.91661	895.52624	0	0	0	3.813	3739.10367	0.15397091	0.03683892	6.99939404	0.58328284	0.0031263	0.00136569	0.24573152
23	3747.704626	8.84668747	3.50949774	8.69257544	9.39906753	0.09173865	8.60083679	3739.01205	894.59204	0	0	0	3.809	3735.20309	0.15411203	0.03687268	7.00580923	0.58381744	0.0031263	0.00136694	0.24587139
24	3743.803922	8.84670818	3.50909085	8.69245449	9.3989372	0.09173737	8.60071753	3735.11147	893.65379	0	0	0	3.805	3731.30647	0.15425328	0.03690648	7.01223038	0.58435253	0.0031263	0.0013682	0.24601139
1	3739.907192	8.84672892	3.50869931	8.69233425	9.39880674	0.0917361	8.60059815	3731.21486	892.72649	0	0	0	3.801	3727.41384	0.15439466	0.0369403	7.01865748	0.58488812	0.0031263	0.00136945	0.24615151
2	3736.014434	8.84674967	3.50830015	8.69221349	9.39867617	0.09173483	8.60047867	3727.32222	891.79514	0	0	0	3.797	3723.52516	0.15453618	0.03697416	7.02509053	0.58542421	0.0031263	0.0013707	0.24629177
3	3732.125642	8.84677044	3.50790102	8.69209262	9.39854547	0.09173355	8.60035907	3723.43355	890.86425	0	0	0	3.793	3719.64045	0.15467782	0.03700805	7.03152955	0.58596068	0.0031263	0.00137196	0.24643216
4	3728.240812	8.84679123	3.50750193	8.69197164	9.39841465	0.09173227	8.60023936	3719.54884	889.93529	0	0	0	3.789	3715.7597	0.15481959	0.03704197	7.03797453	0.58649788	0.0031263	0.00137322	0.24657268
5	3724.359942	8.84681204	3.50710288	8.69185054	9.39828237	0.09173099	8.60011955	3715.66809	889.00679	0	0	0	3.785	3711.88291	0.1549615	0.03707592	7.04442549	0.58703546	0.0031263	0.00137448	0.24671333
6	3720.483026	8.84683287	3.50670386	8.69172917	9.39815265	0.09172972	8.59999914	3711.7911	888.07793	0	0	0	3.781	3708.0024	0.15510354	0.03710984	7.05108244	0.58757374	0.0031263	0.00137574	0.2468541
7	3716.61006	8.84685372	3.50630488	8.69160801	9.39802471	0.09172844	8.59987588	3707.91845	887.15262	0	0	0	3.777	3704.14116	0.15524571	0.03714392	7.05745436	0.58811211	0.0031263	0.001377	0.24699501
8	3712.741041	8.84687459	3.50590593	8.69148658	9.39789017	0.09172715	8.59975942	3704.04955	886.22695	0	0	0	3.773	3700.27621	0.15538801	0.03717797	7.06381428	0.58865519	0.0031263	0.00137826	0.24713605
9	3708.875965	8.84689548	3.50550702	8.69136503	9.39775875	0.09172587	8.59963916	3700.1846	885.30223	0	0	0	3.769	3696.41519	0.15553044	0.03721205	7.0702862	0.58919077	0.0031263	0.00137952	0.24727722
10	3705.014827	8.84691638	3.50510815	8.69123437	9.3976272	0.09172459	8.59951879	3696.32358	884.37584	0	0	0	3.765	3692.55811	0.15567301	0.03724616	7.07767701	0.58973084	0.0031263	0.00138079	0.24741852
11	3701.157624	8.84693731	3.50470931	8.6911216	9.39749553	0.0917233	8.59939883	3692.24665	883.45860	0	0	0	3.762	3688.70495	0.15581571	0.0372803	7.08325704	0.59027142	0.0031263	0.00138205	0.24755996
12	3697.304351	8.84695829	3.50430514	8.69100997	9.39736374	0.09172202	8.59927717	3688.1335	882.53170	0	0	0	3.758	3684.84977	0.15595844	0.03731447	7.08989499	0.5908125	0.0031263	0.00138331	0.24770152
13	3693.455005	8.84697922	3.50391174	8.69087772	9.39723183	0.09172073	8.59915699	3684.76413	881.61274	0	0	0	3.754	3681.01042	0.1561015	0.03734868	7.09624894	0.59135408	0.0031263	0.00138459	0.24784321
14	3689.609582	8.84700021	3.50351301	8.69075561	9.3970998	0.09171944	8.59903617	3680.91883	880.69272	0	0	0	3.750	3677.16904	0.15624446	0.03738292	7.10275393	0.59189616	0.0031263	0.00138586	0.24798504
15	3685.768077	8.84702121	3.50311431	8.69063339	9.39696764	0.09171815	8.59891524	3677.07744	879.77363	0	0	0	3.746	3673.33157	0.15638782	0.03741718	7.10924695	0.59243875	0.0031263	0.00138713	0.248127
16	3681.930486	8.84704223	3.50271565	8.69051105	9.39683536	0.09171686	8.59879419	3673.23998	878.85548	0	0	0	3.742	3669.49801	0.15653118	0.03745148	7.11578201	0.59292183	0.0031263	0.0013884	0.24826909
17	3678.096806	8.84706321	3.50231701	8.69038875	9.39670296	0.09171557	8.59867264	3669.40482	877.93827	0	0	0	3.738	3665.66836	0.15667454	0.03748578	7.12235152	0.59342543	0.0031263	0.00138967	0.24841131
18	3674.267033	8.84708434	3.50191884	8.69026604	9.39657043	0.09171427	8.59855177	3665.57677	877.02199	0	0	0	3.734	3661.84261	0.15681813	0.03752018	7.12883425	0.59394052	0.0031263	0.00139095	0.24855366
19	3670.441162	8.84710542	3.50151989	8.69014336	9.39643778	0.09171298	8.59843038	3661.75102	876.10665	0	0	0	3.730	3658.02076	0.15696206	0.03755458	7.13536946	0.59446142	0.0031263	0.00139222	0.24869614
20	3666.61919	8.84712653	3.50112137	8.69002057	9.39630501	0.09171168	8.59830889	3657.92917	875.19224	0	0	0	3.726	3654.2028	0.15710596	0.037589	7.14191072	0.59519253	0.0031263	0.0013935	0.24883876
21	3662.801112	8.84714765	3.50072289	8.68989767	9.39617212	0.09171038	8.59818728	3654.11121	874.27876	0	0	0	3.722	3650.38874	0.15724998	0.03762346	7.14848805	0.59570404	0.0031263	0.00139478	0.24898151
22	3658.986925	8.84716879	3.5																		

6	3451.481421	8.84838457	3.47806798	6.68270032	0.38838981	0.09163443	8.5910659	3442.79872	823.72036	0	0	0	3.507	3439.29151	0.16568425	0.03964144	7.5318729	0.62765608	0.0931263	0.00146959	0.25734096
7	3447.882576	8.84840866	3.47767155	6.68257063	0.38824957	0.09163306	8.59093757	3439.20001	822.85933	0	0	0	3.504	3435.69646	0.16583623	0.0396778	7.5387821	0.62823184	0.0931263	0.00147093	0.2574916
8	3444.287399	8.84842917	3.47727515	6.68244081	0.38812092	0.09163169	8.59080912	3435.80496	821.99918	0	0	0	3.500	3432.19508	0.16598836	0.0397542	7.54569771	0.62880015	0.0931263	0.00147228	0.25764238
9	3440.695885	8.8484515	3.47687878	6.68231087	0.3879067	0.09163032	8.59068055	3432.0137	821.13991	0	0	0	3.496	3428.1725	0.16614063	0.03975863	7.55261979	0.62938498	0.0931263	0.00147361	0.2577933
10	3437.108031	8.84847385	3.47648246	6.68218081	0.38782807	0.09162894	8.59055187	3428.42585	820.28152	0	0	0	3.493	3424.93328	0.16629304	0.0397871	7.55954827	0.62996236	0.0931263	0.00147499	0.25794436
11	3433.523833	8.84849622	3.47608616	6.68205063	0.38768731	0.09162757	8.59042306	3424.84178	819.42400	0	0	0	3.489	3421.35287	0.16644559	0.0398236	7.56648318	0.63054026	0.0931263	0.00147634	0.25809556
12	3429.943288	8.84851862	3.4756889	6.68192033	0.38754642	0.09162619	8.59029413	3421.26137	818.56735	0	0	0	3.485	3417.7761	0.16659829	0.0398603	7.57342453	0.63118177	0.0931263	0.00147769	0.25824689
13	3426.366392	8.84854103	3.47529368	6.68178991	0.3874054	0.09162482	8.59016509	3417.6846	817.71158	0	0	0	3.482	3414.20298	0.16675112	0.0398967	7.58037233	0.63169769	0.0931263	0.00147905	0.25839838
14	3422.79314	8.84856347	3.47489789	6.68165346	0.38726425	0.09162344	8.59003592	3414.11148	816.85668	0	0	0	3.478	3410.63489	0.16690441	0.0399332	7.58732658	0.63227772	0.0931263	0.00148041	0.25855
15	3419.22353	8.84858582	3.47450133	6.68152387	0.38712296	0.09162206	8.58990664	3410.542	816.00357	0	0	0	3.474	3407.06765	0.16705722	0.03996993	7.59428727	0.63285727	0.0931263	0.00148176	0.25870176
16	3415.657558	8.8486084	3.47410521	6.68139791	0.38698195	0.09162068	8.58977723	3406.97616	815.14949	0	0	0	3.471	3403.50544	0.16721048	0.0400066	7.60125447	0.63343787	0.0931263	0.00148312	0.25885366
17	3412.09522	8.8486309	3.47370912	6.68126701	0.38684	0.0916193	8.58964771	3403.41395	814.29720	0	0	0	3.467	3399.94686	0.16736389	0.04004331	7.60822812	0.63403191	0.0931263	0.00148448	0.25900571
18	3408.536511	8.84865341	3.47331307	6.68113507	0.38669832	0.09161792	8.58951806	3399.85538	813.44578	0	0	0	3.463	3396.39191	0.16751744	0.04008004	7.61520825	0.63460609	0.0931263	0.00148585	0.25915798
19	3404.98143	8.84867595	3.47291706	6.68100483	0.38655651	0.09161653	8.5893838	3396.30042	812.59522	0	0	0	3.460	3392.84058	0.16767113	0.04011682	7.62219486	0.6351829	0.0931263	0.00148721	0.25931022
20	3401.42971	8.84869851	3.47252108	6.68087356	0.38641457	0.09161515	8.58925841	3392.7491	811.74554	0	0	0	3.456	3389.22927	0.16782496	0.04015362	7.62919796	0.63576566	0.0931263	0.00148857	0.25946469
21	3397.882131	8.84872109	3.47212513	6.68074216	0.3862725	0.09161376	8.58912814	3389.20139	810.89074	0	0	0	3.453	3385.74879	0.16797948	0.04019046	7.63619755	0.63634006	0.0931263	0.00148994	0.2596153
22	3394.337907	8.8487473	3.47172922	6.68061064	0.38613029	0.09161237	8.58899827	3385.6573	810.04876	0	0	0	3.449	3382.2083	0.16813305	0.04022734	7.64319365	0.6369328	0.0931263	0.00149131	0.25976805
23	3390.797295	8.84876632	3.47133334	6.68047901	0.38598796	0.09161098	8.58886802	3382.11682	809.20167	0	0	0	3.445	3378.67142	0.16828731	0.04026424	7.65020626	0.63751719	0.0931263	0.00149267	0.25992094
24	3387.26029	8.84878896	3.4709375	6.68034725	0.38584545	0.09160959	8.58873765	3378.59944	808.35544	0	0	0	3.442	3375.13815	0.16844172	0.04030119	7.65722538	0.63810212	0.0931263	0.00149404	0.26007398
1	3383.726891	8.84881163	3.47054169	6.68021536	0.38570288	0.0916082	8.58860716	3375.0668	807.51007	0	0	0	3.438	3371.60848	0.16859627	0.04033816	7.66425102	0.63868759	0.0931263	0.00149541	0.26022715
2	3380.197092	8.84883431	3.47014592	6.68008336	0.38556015	0.09160681	8.58847655	3371.51701	806.66557	0	0	0	3.435	3368.08241	0.16875096	0.04037517	7.67128319	0.6392736	0.0931263	0.00149679	0.26038047
3	3376.67089	8.84885702	3.46975018	6.67995123	0.38541728	0.09160541	8.58834581	3367.99094	805.82192	0	0	0	3.431	3364.55994	0.16890579	0.04041222	7.6783219	0.63986016	0.0931263	0.00149816	0.26053394
4	3373.148281	8.84887975	3.46935448	6.67981898	0.38527428	0.09160402	8.58821496	3364.46846	804.97914	0	0	0	3.427	3361.04105	0.16906077	0.0404493	7.68536714	0.64044726	0.0931263	0.00149953	0.26068754
5	3369.629262	8.8489025	3.46895881	6.6796866	0.38513115	0.09160262	8.58808398	3360.94958	804.13722	0	0	0	3.424	3357.52575	0.1692159	0.04048642	7.69241893	0.64103491	0.0931263	0.00150091	0.26084129
6	3366.11383	8.84892527	3.46865818	6.6795541	0.38498788	0.09160122	8.58795288	3357.43428	803.29675	0	0	0	3.420	3354.01403	0.16937117	0.04052356	7.69947727	0.64162311	0.0931263	0.00150229	0.26099518
7	3362.601979	8.84894806	3.46836758	6.67942148	0.38484448	0.09159982	8.58782166	3353.92256	802.45994	0	0	0	3.417	3350.50589	0.16952558	0.04056075	7.70654217	0.64221185	0.0931263	0.00150367	0.26114921
8	3359.093708	8.84897087	3.46807701	6.67928974	0.38471772	0.09159842	8.58769023	3350.41442	801.64364	0	0	0	3.414	3347.00013	0.16968493	0.04059797	7.71361364	0.64280114	0.0931263	0.00150505	0.26130339
9	3355.589012	8.84899371	3.46773768	6.67915587	0.38455729	0.09159702	8.58755835	3346.90986	800.78709	0	0	0	3.410	3343.50033	0.16983783	0.04063522	7.72060168	0.64339097	0.0931263	0.00150643	0.26145771
10	3352.087887	8.84901656	3.46739028	6.67902288	0.38441349	0.09159562	8.58742727	3343.40886	799.94044	0	0	0	3.406	3340.0029	0.16999368	0.04067251	7.72777629	0.64398136	0.0931263	0.00150781	0.26161217
11	3348.59033	8.84903944	3.46695853	6.67888977	0.38426955	0.09159421	8.58729556	3339.91144	799.10365	0	0	0	3.402	3336.50904	0.17014967	0.04070983	7.73486749	0.64457229	0.0931263	0.00150919	0.26176678
12	3345.096338	8.84906234	3.46661901	6.67875653	0.38412549	0.0915928	8.58716373	3336.41758	798.26712	0	0	0	3.399	3333.01874	0.17030581	0.04074719	7.74196527	0.64516377	0.0931263	0.00151058	0.26192153
13	3341.605906	8.84908526	3.46637947	6.67862317	0.38398194	0.0915914	8.58703177	3333.32728	797.43263	0	0	0	3.395	3329.532	0.17046209	0.04078458	7.74906966	0.6457558	0.0931263	0.00151196	0.26207746
14	3338.119031	8.84910812	3.46613935	6.67848933	0.38383695	0.09158999	8.58690481	3330.44054	796.59840	0	0	0	3.392	3326.04908	0.17062551	0.04082176	7.75618495	0.64634839	0.0931263	0.00151334	0.26223149
15	3334.63571	8.84913116	3.46590043	6.67835607	0.383690248	0.09158858	8.5867675	3327.59735	795.76501	0	0	0	3.388	3322.56917	0.17077508	0.04085946	7.76329824	0.64694152	0.0931263	0.00151474	0.26238664
16	3331.155938	8.84915414	3.46460874	6.67822234	0.38354788	0.09158717	8.58663517	3324.7772	794.93248	0	0	0	3.385	3319.09308	0.1709318	0.04089696	7.77042244	0.6475352	0.0931263	0.00151613	0.26254197
17	3327.679712	8.84917714	3.46421349	6.67808848	0.38340314	0.09158575	8.58650272	3321.900162	794.10076	0	0	0	3.381	3315.62053	0.17108866	0.04093449	7.77755328	0.64812494	0.0931263	0.00151752	0.26269794
18	3324.207029	8.84920017	3.46381827	6.6779545	0.38325827	0.09158434	8.58637016	3319.52907	793.26999	0	0	0	3.378	3312.15152	0.17124567	0.04097206	7.78466073	0.64872423	0.0931263	0.00151891	0.26285306
19	3320.737885	8.84922322	3.46342628	6.67782029	0.38311266	0.09158293	8.58623747	3317.06036	792.43996	0	0	0	3.375	3308.68496	0.17140293	0.04100948	7.79183481	0.64931957	0.0931263	0.00152029	0.26300882
20	3317.27276	8.84924628	3.46302793	6.67768616	0.38296812	0.09158151	8.58610645	3308.59459	791.61082	0	0	0	3.370	3305.22409	0.17156012	0.04104729	7.79898556	0.64991546	0.0931263	0.00152167	0.26316472
21	3313.810199	8.84926937	3.46263282	6.6775518	0.38282284	0.09158009	8.58597171	3305.13265	790.78252	0	0	0	3.367	3301.76568	0.17171757	0.04108496	7.80614294	0.65055191	0.0931263	0.00152301	0.26332077
22	3310.35165	8.84929249	3.46223774	6.67741732	0.38267743	0.09157867	8.58583865	3301.67423	789.95506	0	0	0	3.363	3298.31079	0.17187516	0.04112267	7.81330697	0.65110891	0.0931263	0.00152435	0.26347697
23	3306.89626	8.84931562	3.46184269	6.67728272	0.38253189	0.09157725	8.58570547	3298.21934	789.12845	0	0	0	3.360	3294.85942	0.1720329	0.04116041	7.82047766	0.65170647	0.0931263	0.00152569	0.26363331
24	3303.445123	8.84933877	3.46144768	6.6771																	

116	8	3115.617259	8.85067031	3.4393816	8.66939952	9.37400798	0.09149405	8.57790546	3107.00186	734.37796	0	0	0	3.165	3103.83673	0.18127079	0.04337066	8.24042488	0.68670207	0.001263	0.00160784	0.27278926
	9	3112.414634	8.85069473	3.4398883	8.66925745	9.37385436	0.09149255	8.5777649	3103.74538	742.59881	0	0	0	3.162	3100.58356	0.18143727	0.04341049	8.24799291	0.68733274	0.001263	0.00160931	0.27295426
	10	3109.161328	8.85071916	3.43859549	8.66911525	9.37377061	0.09149105	8.5776242	3100.49221	741.82046	0	0	0	3.158	3097.33377	0.18160391	0.04345036	8.25556799	0.687964	0.001263	0.00161079	0.27311942
	11	3105.911337	8.85074362	3.43820249	8.66897292	9.37354671	0.09148955	8.57748317	3097.24236	741.04291	0	0	0	3.155	3094.08718	0.18177707	0.04349026	8.26315013	0.68859584	0.001263	0.00161227	0.27328473
	12	3102.664658	8.8507861	3.43780952	8.66883045	9.37339266	0.09148805	8.57734241	3093.95983	740.26615	0	0	0	3.152	3090.84395	0.18193764	0.04353021	8.27073932	0.68922828	0.001263	0.00161375	0.27345502
	13	3099.421289	8.8507926	3.43741659	8.66868786	9.37323848	0.09148654	8.57720131	3090.7526	739.49018	0	0	0	3.149	3087.60402	0.18210474	0.04357019	8.27833558	0.6898613	0.001263	0.00161523	0.27361581
	14	3096.181224	8.85081713	3.43702369	8.66854513	9.37308415	0.09148504	8.57706009	3087.51268	738.71508	0	0	0	3.145	3084.3674	0.182272	0.0436102	8.28593891	0.69049491	0.001263	0.00161672	0.27378159
	15	3092.94462	8.85084168	3.43663082	8.66840226	9.37292967	0.09148353	8.57691874	3084.27606	737.94060	0	0	0	3.142	3081.13408	0.18243941	0.04365026	8.29354932	0.69112911	0.001263	0.0016182	0.27394751
	16	3089.71098	8.85086625	3.43623799	8.66825927	9.37277505	0.09148202	8.57677733	3081.04274	737.16700	0	0	0	3.139	3077.90405	0.18260608	0.04369035	8.30116682	0.6917639	0.001263	0.00161969	0.27411136
	17	3086.48083	8.85089081	3.43584164	8.66811614	9.37262029	0.09148051	8.57663583	3077.81217	736.39419	0	0	0	3.135	3074.67137	0.18277773	0.04373044	8.30897147	0.69239928	0.001263	0.00162117	0.27427883
117	18	3083.253953	8.85091546	3.43545242	8.66797288	9.37246539	0.091479	8.57649388	3074.58598	735.62217	0	0	0	3.132	3071.45387	0.18294258	0.04377065	8.31642311	0.69303526	0.001263	0.00162266	0.27444622
	19	3080.030365	8.85094041	3.43505969	8.66782948	9.37231034	0.09147748	8.576352	3071.36254	734.85093	0	0	0	3.129	3068.23371	0.18311062	0.04381085	8.32406191	0.69367183	0.001263	0.00162415	0.27461277
	20	3076.810063	8.85096477	3.43466669	8.66768595	9.37215514	0.09147597	8.57620998	3068.14238	734.08048	0	0	0	3.126	3065.01683	0.18327881	0.04385109	8.33170782	0.69430899	0.001263	0.00162562	0.27477947
	21	3073.593042	8.85098945	3.43427432	8.66754529	9.3719998	0.09147445	8.57606783	3064.9255	733.31081	0	0	0	3.122	3061.80323	0.18344716	0.04389137	8.33936085	0.69494674	0.001263	0.00162714	0.27494633
	22	3070.3793	8.85101416	3.43388169	8.66739849	9.37184432	0.09147294	8.57592556	3061.7119	732.54193	0	0	0	3.119	3058.59291	0.18361567	0.04393162	8.34700120	0.69558808	0.001263	0.00162863	0.27511334
	23	3067.168883	8.85103889	3.43348909	8.66725426	9.37168869	0.09147142	8.57578314	3058.50155	731.77383	0	0	0	3.116	3055.38586	0.18378433	0.04397204	8.35468463	0.69622403	0.001263	0.00163013	0.2752805
	24	3063.961368	8.85106365	3.43309653	8.66711049	9.37153291	0.0914699	8.5756406	3055.29453	731.00651	0	0	0	3.112	3052.18207	0.18395315	0.04401244	8.36236275	0.69686356	0.001263	0.00163163	0.27544783
	25	3060.757712	8.85108843	3.43270399	8.6669663	9.37137699	0.09146837	8.57549792	3052.09075	730.23998	0	0	0	3.109	3048.98155	0.18412213	0.04405286	8.37004433	0.69750369	0.001263	0.00163313	0.27561531
	26	3057.557051	8.85111323	3.4323115	8.66682196	9.37122093	0.09146685	8.57535511	3048.89023	729.47423	0	0	0	3.106	3045.7843	0.18429127	0.04409333	8.37777307	0.69814442	0.001263	0.00163463	0.27578294
	27	3054.395652	8.85113805	3.43191903	8.66667749	9.37106472	0.09146533	8.57521217	3045.69297	728.70926	0	0	0	3.103	3042.5903	0.18446056	0.04413384	8.38542897	0.69878575	0.001263	0.00163613	0.27595073
118	28	3051.155111	8.8511629	3.4315126	8.66653289	9.37090836	0.0914638	8.57506909	3042.48988	727.94507	0	0	0	3.099	3039.39956	0.18463001	0.04417438	8.39313204	0.69942767	0.001263	0.00163763	0.27611868
	29	3047.974626	8.85118777	3.4311142	8.66638815	9.37075186	0.09146227	8.57492588	3039.30824	727.18165	0	0	0	3.096	3036.21207	0.18479962	0.04421496	8.40084229	0.70007019	0.001263	0.00163913	0.27628678
	30	3044.786993	8.85121266	3.43074184	8.66624328	9.37059522	0.09146074	8.57478254	3036.12075	726.41902	0	0	0	3.093	3033.02783	0.18496938	0.04425558	8.40855972	0.70071331	0.001263	0.00164064	0.27645504
	31	3041.602608	8.85123758	3.43034951	8.66609827	9.37043842	0.09145921	8.57463906	3032.93651	725.65716	0	0	0	3.090	3029.84683	0.18513931	0.04429623	8.41628433	0.70135703	0.001263	0.00164215	0.27662346
	32	3038.421468	8.85126252	3.42995721	8.66595313	9.37028148	0.09145768	8.57449545	3029.75552	724.89608	0	0	0	3.086	3026.66908	0.18530399	0.04433693	8.42401615	0.70200135	0.001263	0.00164366	0.27679203
	33	3035.243571	8.85128748	3.42956495	8.66580785	9.37012444	0.09145615	8.57435137	3026.57776	724.13577	0	0	0	3.083	3023.49456	0.18547963	0.04437766	8.43175516	0.70264626	0.001263	0.00164517	0.27696076
	34	3032.068013	8.85131247	3.42917272	8.66566244	9.36996717	0.09145461	8.57420723	3023.40044	723.37624	0	0	0	3.080	3020.31647	0.18565494	0.04441838	8.43950135	0.70320178	0.001263	0.00164668	0.2771295
	35	3028.887489	8.85133748	3.42878052	8.66551689	9.36980979	0.09145308	8.57406381	3020.23197	722.61478	0	0	0	3.077	3017.15523	0.18582805	0.04445924	8.44725483	0.70379379	0.001263	0.00164819	0.27729827
	36	3025.729299	8.85136251	3.42838836	8.66537121	9.36965252	0.09145154	8.57391967	3017.06393	721.85950	0	0	0	3.074	3013.99042	0.18599311	0.04450008	8.45501555	0.70435462	0.001263	0.00164971	0.277467
	37	3022.564336	8.85138757	3.42799623	8.66522539	9.36949459	0.09145	8.57377538	3013.89911	721.10229	0	0	0	3.070	3010.82882	0.18616218	0.04454097	8.4627834	0.70523195	0.001263	0.00165122	0.27763726
119	38	3019.4026	8.85141265	3.42760413	8.66507943	9.36933677	0.09144846	8.57363097	3010.73752	720.34585	0	0	0	3.067	3007.67045	0.18633322	0.04458189	8.47055853	0.70587988	0.001263	0.00165274	0.27780678
	39	3016.244086	8.85143775	3.42721206	8.66493334	9.36917881	0.09144692	8.57348625	3007.57915	719.59018	0	0	0	3.064	3004.5153	0.18650441	0.04462285	8.47834901	0.70652841	0.001263	0.00165426	0.27797646
	40	3013.08879	8.85146282	3.42681969	8.66478958	9.36902137	0.09144538	8.57334137	3004.4254	718.83239	0	0	0	3.061	3001.36137	0.18667564	0.04466436	8.48619534	0.70717755	0.001263	0.00165578	0.27814629
	41	3009.936711	8.85148802	3.42642804	8.66464074	9.36886243	0.09144383	8.57319691	3001.27207	718.08116	0	0	0	3.057	2998.21465	0.18684728	0.04470488	8.49392743	0.70782729	0.001263	0.0016573	0.27831628
	42	3006.787844	8.8515132	3.42603607	8.66449424	9.36870403	0.09144229	8.57305196	2998.12335	717.32780	0	0	0	3.054	2995.06913	0.18701895	0.04474596	8.50173159	0.70847763	0.001263	0.00165882	0.27848644
	43	3003.642186	8.85153839	3.42564414	8.66434761	9.36854547	0.09144074	8.57290687	2994.97784	716.57521	0	0	0	3.051	2991.92683	0.18719079	0.04478707	8.50954302	0.70912858	0.001263	0.00166034	0.27865675
	44	3000.499734	8.85156361	3.42525225	8.66420083	9.36838677	0.09143919	8.57276164	2991.83553	715.82138	0	0	0	3.048	2988.78772	0.18736278	0.04482822	8.51736172	0.70978014	0.001263	0.00166187	0.27882721
	45	2997.360484	8.85158888	3.42486038	8.66405367	9.36822791	0.09143764	8.57261628	2988.69532	715.0732	0	0	0	3.045	2985.65168	0.18753494	0.04486944	8.52512772	0.71043231	0.001263	0.0016634	0.27899784
	46	2994.224434	8.85161412	3.42446855	8.66390687	9.36806892	0.09143609	8.57247079	2985.56053	714.32203	0	0	0	3.042	2982.51911	0.18770725	0.04491064	8.53302101	0.71108508	0.001263	0.00166493	0.27916863
	47	2991.09158	8.85163941	3.42407675	8.66375907	9.36790977	0.09143453	8.57232515	2982.42782	713.57250	0	0	0	3.038	2979.38959	0.18787973	0.0449519	8.54086159	0.71173847	0.001263	0.00166645	0.27933957
120	48	2987.961919	8.85166473	3.42368499	8.66361236	9.36775047	0.09143298	8.57217939	2979.29831	712.82374	0	0	0	3.035	2976.26327	0.18805236	0.04499321	8.54870949	0.71239246	0.001263	0.00166799	0.

10	2811.79492	8.85317394	3.40101904	8.65482829	9.35825247	0.09134027	8.56348802	2803.14009	670.67631	0	0	0	2.856	2800.28451	0.19834565	0.04745597	9.01663427	0.75138619	0.0931263	0.00175929	0.28971267
11	2808.84796	8.85320069	3.40062922	8.65467263	9.35808416	0.09133863	8.563334	2800.19332	669.97127	0	0	0	2.853	2797.34074	0.19828205	0.04749961	9.02492598	0.75207716	0.0931263	0.00176009	0.28899485
12	2805.804075	8.85322745	3.40023942	8.65451883	9.35797457	0.09133699	8.56317984	2797.24056	669.26695	0	0	0	2.850	2794.39997	0.19817062	0.04754529	9.03222543	0.75276879	0.0931263	0.00176252	0.29007444
13	2802.86154	8.85325425	3.39984966	8.65436088	9.35774707	0.09133534	8.56202554	2794.30879	668.56335	0	0	0	2.847	2791.46221	0.19809336	0.04758701	9.04153263	0.75346105	0.0931263	0.00176414	0.29025552
14	2800.025231	8.85328106	3.39945993	8.65420479	9.35757829	0.09133369	8.5620711	2791.37103	667.86046	0	0	0	2.844	2788.52743	0.19790762	0.04763078	9.04984759	0.75415397	0.0931263	0.00176577	0.29034381
15	2797.090302	8.8533079	3.39907023	8.65404855	9.35740936	0.09133204	8.56271651	2788.43625	667.15829	0	0	0	2.841	2785.59565	0.19925935	0.04767458	9.05817031	0.75484753	0.0931263	0.00176739	0.29061826
16	2794.158364	8.85333477	3.39868056	8.65389217	9.35724026	0.09133039	8.56256157	2785.50447	666.45683	0	0	0	2.838	2782.66685	0.19944261	0.04771843	9.06655008	0.75554173	0.0931263	0.00176902	0.29079989
17	2791.229415	8.85336166	3.39829093	8.65373563	9.35707101	0.09132874	8.56240689	2782.57568	665.75609	0	0	0	2.835	2779.74104	0.19962603	0.04776231	9.07483907	0.75623659	0.0931263	0.00177064	0.29098169
18	2788.303451	8.85338858	3.39790133	8.65357896	9.35690161	0.09132709	8.56225157	2779.64987	665.05607	0	0	0	2.832	2776.81822	0.19980962	0.04780624	9.08318513	0.75693209	0.0931263	0.00177227	0.29116385
19	2785.380449	8.85341554	3.39751757	8.65342211	9.35673251	0.09132543	8.5620967	2776.72705	664.35676	0	0	0	2.829	2773.88817	0.19999139	0.04784801	9.09153898	0.75762625	0.0931263	0.00177379	0.29134579
20	2782.460467	8.85344249	3.39712222	8.65326516	9.35656263	0.09132378	8.56194139	2773.8072	663.65816	0	0	0	2.826	2770.95815	0.20017733	0.04789421	9.09990064	0.75832505	0.0931263	0.00177553	0.29152181
21	2779.54344	8.85346948	3.39673272	8.65310805	9.35639294	0.09132212	8.56178593	2770.89033	662.96027	0	0	0	2.823	2768.0676	0.20036144	0.04793826	9.1082701	0.75902251	0.0931263	0.00177717	0.29171057
22	2776.629387	8.8534965	3.39634325	8.65295078	9.35622236	0.09132046	8.56163032	2767.97644	662.26309	0	0	0	2.820	2765.15667	0.20054572	0.04798235	9.11664738	0.75972062	0.0931263	0.0017788	0.29189322
23	2773.718303	8.85352354	3.39595381	8.65279337	9.356056216	0.0913188	8.56147457	2765.06551	661.56663	0	0	0	2.817	2762.24871	0.20073017	0.04802666	9.12503248	0.76041937	0.0931263	0.00178004	0.29207604
24	2770.810187	8.85355061	3.3955644	8.65263581	9.3558818	0.09131714	8.56131868	2762.15755	660.87087	0	0	0	2.814	2759.34372	0.20091498	0.04806966	9.13342542	0.76111878	0.0931263	0.00178207	0.29225802
1	2767.905035	8.8535777	3.39517502	8.65247811	9.35571127	0.09131547	8.56116264	2759.22556	660.17583	0	0	0	2.811	2756.44158	0.20109959	0.04811487	9.14182613	0.76181885	0.0931263	0.00178377	0.29244218
2	2765.002844	8.85360482	3.39487568	8.65232025	9.35554059	0.0913138	8.56100645	2756.35052	659.48149	0	0	0	2.808	2753.5426	0.20128456	0.04815913	9.15023481	0.76251957	0.0931263	0.00178535	0.29262551
3	2762.10361	8.85363196	3.39439637	8.65216225	9.35536975	0.09131214	8.56085012	2753.45145	658.78786	0	0	0	2.805	2750.64648	0.20146971	0.04820343	9.15865129	0.76320294	0.0931263	0.001787	0.29280901
4	2759.20732	8.85365913	3.39400709	8.65200411	9.35519875	0.09131047	8.56069364	2750.55533	658.09494	0	0	0	2.802	2747.75331	0.20165502	0.04824777	9.16707563	0.76392297	0.0931263	0.00178864	0.29292629
5	2756.314006	8.85368633	3.39361784	8.65184581	9.35502759	0.0913088	8.56053701	2747.66216	657.40272	0	0	0	2.799	2744.86309	0.20184051	0.04829215	9.17550783	0.76462565	0.0931263	0.00179028	0.29317653
6	2753.428238	8.85371355	3.39322863	8.65168737	9.35485627	0.09130713	8.56038024	2744.77194	656.71121	0	0	0	2.796	2741.97582	0.20202618	0.04833657	9.18394792	0.76532899	0.0931263	0.00179193	0.29336055
7	2750.536197	8.85374079	3.39283945	8.65152878	9.35468479	0.09130545	8.56022333	2741.88467	656.02041	0	0	0	2.793	2739.09149	0.20221201	0.04838103	9.19239589	0.76603299	0.0931263	0.00179358	0.29354474
8	2747.651709	8.85376806	3.3924503	8.65137004	9.35451314	0.09130378	8.56006626	2739.00034	655.33303	0	0	0	2.790	2736.21009	0.20239802	0.04842554	9.20085175	0.76673765	0.0931263	0.00179523	0.29372971
9	2744.77016	8.85379536	3.39206118	8.65121115	9.35434314	0.0913021	8.55990905	2736.11895	654.64091	0	0	0	2.787	2733.33164	0.20258421	0.04847008	9.20931551	0.76744296	0.0931263	0.00179688	0.29391363
10	2741.891549	8.85382268	3.39167209	8.65105211	9.35416938	0.09130042	8.55975169	2733.2405	653.95221	0	0	0	2.784	2730.45612	0.20277056	0.04851467	9.21778718	0.76814893	0.0931263	0.00179853	0.29409833
11	2739.015871	8.85385002	3.39128304	8.65089293	9.35399726	0.09129874	8.55959419	2730.36498	653.26422	0	0	0	2.781	2727.58353	0.2029571	0.04855933	9.22626676	0.76885556	0.0931263	0.00180019	0.29428321
12	2736.143125	8.85387874	3.39089429	8.65072976	9.35382497	0.09129706	8.55944542	2727.40327	652.57092	0	0	0	2.779	2724.71381	0.20314393	0.04860267	9.23475427	0.76956246	0.0931263	0.00180186	0.29446825
13	2733.273306	8.85390079	3.39050541	8.65057411	9.35365263	0.09129538	8.5592873	2724.62273	651.89203	0	0	0	2.776	2721.84713	0.20333068	0.04864688	9.2432497	0.77027081	0.0931263	0.0018035	0.29465348
14	2730.406413	8.85393222	3.39011607	8.65041448	9.35347992	0.09129369	8.55912079	2721.756	651.20444	0	0	0	2.773	2718.98332	0.20351774	0.04869344	9.25175308	0.77079794	0.0931263	0.00180516	0.29483888
15	2727.542441	8.85395967	3.38972714	8.6502547	9.35330716	0.09129201	8.55896269	2718.89219	650.51925	0	0	0	2.770	2716.12243	0.20370497	0.04873823	9.2602644	0.7716887	0.0931263	0.00180682	0.29502445
16	2724.681389	8.85398714	3.38933825	8.65009477	9.35313423	0.09129032	8.55880445	2716.03129	649.83475	0	0	0	2.767	2713.26445	0.20389237	0.04878307	9.26873867	0.77239864	0.0931263	0.00180848	0.29521019
17	2721.823253	8.85401464	3.38894939	8.64993469	9.35296114	0.09128863	8.55864606	2713.17332	649.15096	0	0	0	2.764	2710.40938	0.20407995	0.04882795	9.27731091	0.77310124	0.0931263	0.00181015	0.29539611
18	2718.96803	8.85404238	3.38856252	8.64978264	9.35278788	0.09128694	8.55848752	2710.26519	648.46786	0	0	0	2.761	2707.55171	0.20426715	0.04887235	9.28594661	0.77382351	0.0931263	0.0018118	0.2955827
19	2716.115717	8.85406972	3.38817176	8.64961408	9.35261447	0.09128524	8.55832883	2707.4661	647.78546	0	0	0	2.758	2704.70798	0.20445564	0.04891784	9.29438929	0.77453244	0.0931263	0.00181348	0.29576846
20	2713.266311	8.85409729	3.387783	8.64945355	9.35244089	0.09128355	8.55817	2704.61686	647.10375	0	0	0	2.755	2701.86164	0.20464375	0.04896284	9.30294046	0.77524504	0.0931263	0.00181515	0.2959549
21	2710.41981	8.8541249	3.38739426	8.64929287	9.35227675	0.09128185	8.55801101	2701.77052	646.42274	0	0	0	2.752	2699.0182	0.20483203	0.04900789	9.31149962	0.7759583	0.0931263	0.00181682	0.29614511
22	2707.57621	8.85415252	3.38700556	8.64913204	9.35209325	0.09128016	8.55783288	2698.92708	645.74242	0	0	0	2.749	2696.17766	0.20502049	0.04905298	9.32006677	0.77667223	0.0931263	0.00181849	0.29632383
23	2704.735508	8.85418018	3.38662554	8.64896106	9.35192046	0.09127846	8.55769106	2696.08654	645.06279	0	0	0	2.747	2693.34993	0.20520912	0.04910065	9.32773863	0.77738633	0.0931263	0.00182016	0.29651526
24	2701.897701	8.85420786	3.38623825	8.64880093	9.35174496	0.09127676	8.55753731	2693.24889	644.38386	0	0	0	2.744	2690.50525	0.20539793	0.04914329	9.33722512	0.77810209	0.0931263	0.00182184	0.29670239
1	2699.062787	8.85423556	3.38583965	8.64864865	9.35157057	0.09127506	8.55737359	2690.41414	643.70562	0	0	0	2.741	2687.67339	0.20558692	0.04918851	9.34581632	0.77881803	0.0931263	0.00182351	0.29688791
2	2696.230763	8.85426329	3.38545108	8.64848721	9.35139602	0.09127335	8.55721386	2687.58228	643.02807	0	0	0	2.738	2684.84441	0.20577608	0.04923377	9.3544155	0.77953463	0.0931263	0.00182519	0.29707719
3	2693.401625	8.85429105	3.38506253	8.64832563	9.3512213	0.09127165	8.55705398	2684.7533	642.35121	0	0	0	2.735	2682.01832	0.20596542	0.04927907	9.36302282	0.7802519	0.0931263	0.00182687	0.29726485
4	2690.57537	8.85431884	3.3																		

12	25.36.818026	8.85591679	3.36296787	6.63886102	9.34098745	0.09117176	8.54768926	25.28.17916	604.88945	0	0	0	2.575	2525.60369	0.21705577	0.05193253	9.86718101	0.82226508	0.0931263	0.00192524	0.30825683
13	25.34.151375	8.85594609	3.36258116	6.63869043	9.34080299	0.09116996	8.54752047	25.25.51268	604.25147	0	0	0	2.573	2522.93992	0.21725566	0.05198036	9.87626806	0.82202324	0.0931263	0.00192701	0.30845495
14	25.31.487442	8.85597542	3.36219447	6.63851967	9.34064186	0.09118816	8.54755121	25.22.84892	603.61415	0	0	0	2.570	2520.73897	0.21745574	0.05202823	9.88585863	0.82173803	0.0931263	0.00192879	0.30865326
15	25.28.623225	8.85600477	3.36180781	6.63834876	9.34042356	0.09111635	8.5471824	25.20.18788	602.97747	0	0	0	2.567	2517.62054	0.21765601	0.05207615	9.89446571	0.82145308	0.0931263	0.00193056	0.30885175
16	25.26.16772	8.85603415	3.36142119	6.63817768	9.34024858	0.09116455	8.54701313	25.17.52954	602.34144	0	0	0	2.565	2514.96491	0.21785647	0.05212411	9.90358033	0.82125936	0.0931263	0.00193234	0.30905043
17	25.23.511925	8.85606356	3.36103346	6.63800645	9.34006343	0.09116274	8.54684371	25.14.87392	601.70606	0	0	0	2.562	2512.31199	0.21805711	0.05217211	9.91270147	0.82106586	0.0931263	0.00193412	0.30924929
18	25.20.858837	8.8560913	3.36064804	6.63783505	9.33987871	0.09116093	8.54667412	25.12.221	601.07132	0	0	0	2.559	2509.66178	0.21825795	0.05222016	9.92183117	0.82081926	0.0931263	0.0019359	0.30944835
19	25.18.208454	8.85612247	3.36036115	6.63766635	9.33969026	0.09115912	8.54650438	25.09.50709	600.43723	0	0	0	2.557	2507.01427	0.21845897	0.05226826	9.93096941	0.821758078	0.0931263	0.00193769	0.30964758
20	25.15.560772	8.85615196	3.3598785	6.63749178	9.33950683	0.09115731	8.54633447	25.06.92328	599.80379	0	0	0	2.554	2504.3845945	0.21866818	0.05231154	9.94011621	0.82183402	0.0931263	0.00193947	0.30984701
21	25.12.915789	8.85618139	3.35948851	6.63731919	9.33932108	0.09115555	8.54616441	25.04.27847	599.17100	0	0	0	2.552	2501.72744	0.21887851	0.05236459	9.94927159	0.82191057	0.0931263	0.00194134	0.31004662
22	25.10.273502	8.85621103	3.3591021	6.63714787	9.33913506	0.09115368	8.54599419	25.01.63635	598.53885	0	0	0	2.548	2499.08791	0.21906316	0.05241282	9.95845354	0.82208963	0.0931263	0.00194305	0.31024642
23	25.07.633909	8.85624066	3.35871569	6.63697567	9.33894887	0.09115186	8.5458238	24.98.99693	597.90734	0	0	0	2.546	2496.45118	0.21926494	0.0524611	9.96760807	0.83063401	0.0931263	0.00194484	0.3104464
24	25.04.997006	8.85627021	3.35832931	6.63680331	9.3387625	0.09115004	8.54565326	24.96.3602	597.27648	0	0	0	2.543	2493.81714	0.2194669	0.05250942	9.9767892	0.8313391	0.0931263	0.00194663	0.31064658
1	25.02.362791	8.85629984	3.35794297	6.63663078	9.33857959	0.09114822	8.54548256	24.93.72616	596.64627	0	0	0	2.540	2491.18578	0.21966905	0.05255778	9.985997893	0.83216491	0.0931263	0.00194842	0.31084694
2	24.99.731261	8.8563295	3.35755665	6.63645481	9.33838823	0.0911464	8.5453117	24.91.0948	596.01689	0	0	0	2.538	2488.5571	0.2198714	0.05260482	9.99517727	0.83239144	0.0931263	0.00195021	0.31104748
3	24.97.102413	8.85635918	3.35727037	6.63628525	9.33820234	0.09114458	8.54514058	24.88.46613	595.38776	0	0	0	2.535	2485.93311	0.22007393	0.05265445	10.0083899	0.83269689	0.0931263	0.00195201	0.31124822
4	24.94.476246	8.8563889	3.35678411	6.63611224	9.33803527	0.09114275	8.54496949	24.85.84013	594.75946	0	0	0	2.532	2483.30779	0.22027665	0.05270316	10.0135998	0.83344665	0.0931263	0.00195381	0.31144914
5	24.91.852755	8.85641864	3.35639397	6.63593907	9.33782802	0.09114092	8.54479815	24.83.21682	594.13181	0	0	0	2.530	2480.68714	0.22047956	0.05275171	10.022824	0.83352334	0.0931263	0.00195561	0.31165026
6	24.89.231938	8.85644841	3.3560117	6.63576574	9.3376406	0.09113909	8.54462665	24.80.59177	593.50480	0	0	0	2.527	2478.06917	0.22068267	0.0528003	10.0320569	0.833600474	0.0931263	0.00195741	0.31185156
7	24.86.617393	8.8564782	3.35562554	6.63559225	9.33745301	0.09113726	8.54445498	24.77.9782	592.87843	0	0	0	2.524	2475.45386	0.22088596	0.05284894	10.0412984	0.83377487	0.0931263	0.00195921	0.31205305
8	24.83.998317	8.85650803	3.35521041	6.63541859	9.33726524	0.09113543	8.54428316	24.75.3629	592.25369	0	0	0	2.522	2472.84122	0.22108944	0.05289762	10.0505486	0.83375472	0.0931263	0.00196102	0.31225472
9	24.81.385507	8.85653788	3.35485331	6.63524477	9.33707729	0.0911336	8.5441117	24.72.75026	591.62759	0	0	0	2.519	2470.21325	0.22129312	0.05294636	10.0598075	0.833831729	0.0931263	0.00196282	0.31245659
10	24.78.77536	8.85656776	3.35446724	6.63507078	9.33688916	0.09113176	8.54393902	24.70.14029	591.00313	0	0	0	2.516	2467.62393	0.22149698	0.05299513	10.069075	0.83390858	0.0931263	0.00196463	0.31265865
11	24.76.167874	8.85659767	3.3540812	6.63489664	9.33670086	0.09112992	8.54376671	24.67.53298	590.37931	0	0	0	2.514	2465.01928	0.22170104	0.05304395	10.0783512	0.83398626	0.0931263	0.00196644	0.31286089
12	24.73.563045	8.85662761	3.3536952	6.63472233	9.33651239	0.09112808	8.54359424	24.64.92832	589.75613	0	0	0	2.511	2462.41728	0.22190528	0.05309282	10.0876361	0.84063634	0.0931263	0.00196825	0.31306333
13	24.70.960872	8.85665757	3.35330922	6.63454785	9.33632733	0.09112624	8.54342161	24.62.23623	589.13357	0	0	0	2.508	2459.81793	0.22210972	0.05314174	10.0969297	0.84141081	0.0931263	0.00197007	0.31326595
14	24.68.361352	8.85668757	3.35292138	6.63437396	9.3361345	0.0911244	8.54324882	24.59.21698	588.51166	0	0	0	2.506	2457.21721	0.22231435	0.05319007	10.1062136	0.8421136	0.0931263	0.00197198	0.31346877
15	24.65.76481	8.85671759	3.35253736	6.63419841	9.33594589	0.09112255	8.54307586	24.57.13028	587.89307	0	0	0	2.503	2454.62718	0.22253971	0.0532387	10.1155431	0.84261092	0.0931263	0.0019737	0.31367177
16	24.63.170257	8.85674764	3.35215148	6.63402345	9.33575671	0.09112071	8.54290274	24.54.53623	587.26973	0	0	0	2.500	2452.03578	0.22272419	0.05328875	10.1248628	0.84373857	0.0931263	0.00197552	0.31387497
17	24.60.578678	8.85677771	3.35176562	6.63384832	9.33556734	0.09111886	8.54272946	24.51.94483	586.64971	0	0	0	2.498	2449.44701	0.22292399	0.05333785	10.1341914	0.84451595	0.0931263	0.00197734	0.31407836
18	24.57.987941	8.85680872	3.3513798	6.63367303	9.3353787	0.09111701	8.54255602	24.49.35607	586.03032	0	0	0	2.495	2446.86089	0.22313479	0.05338699	10.1435286	0.84529405	0.0931263	0.00197916	0.31428193
19	24.55.403442	8.85683795	3.35099401	6.63349757	9.33518809	0.09111516	8.54238451	24.46.76994	585.41157	0	0	0	2.493	2444.2774	0.22334038	0.05343618	10.1528746	0.84607288	0.0931263	0.00198098	0.3144857
20	24.52.81578	8.85686877	3.35060291	6.63332395	9.33500819	0.0911133	8.54220864	24.44.18646	584.79145	0	0	0	2.490	2441.61512	0.22354514	0.05348452	10.1621294	0.84685245	0.0931263	0.00198281	0.31468965
21	24.50.238752	8.8568983	3.35022251	6.63314616	9.33480811	0.09111145	8.54203471	24.41.60561	584.17596	0	0	0	2.487	2439.11832	0.22375214	0.0535347	10.1715929	0.84763274	0.0931263	0.00198464	0.31489381
22	24.47.660354	8.85692852	3.34983681	6.63297021	9.33461786	0.09110959	8.54186062	24.39.02738	583.55909	0	0	0	2.485	2436.54272	0.22395831	0.05358403	10.1809652	0.84841377	0.0931263	0.00198646	0.31509815
23	24.45.084585	8.85695877	3.34955114	6.63279491	9.33442743	0.09110773	8.54168636	24.36.45179	582.94286	0	0	0	2.482	2433.96976	0.22416468	0.0536334	10.1903463	0.84919553	0.0931263	0.0019883	0.31530268
24	24.42.541142	8.85698904	3.3490655	6.63261781	9.33423682	0.09110587	8.54151194	24.33.87882	582.32726	0	0	0	2.479	2431.39941	0.22437123	0.05368282	10.1997362	0.849897802	0.0931263	0.00199013	0.31550741
1	24.39.940021	8.85701916	3.34867146	6.63244316	9.33404739	0.09110401	8.54133718	24.31.209134	581.71238	0	0	0	2.476	2428.83168	0.22457798	0.05373229	10.2091346	0.85076125	0.0931263	0.00199196	0.31571232
2	24.37.373021	8.85704967	3.34829432	6.63226475	9.33385507	0.09110215	8.54116126	24.28.74076	581.09793	0	0	0	2.474	2426.26658	0.22478493	0.0537818	10.2185425	0.85154521	0.0931263	0.0019938	0.31591743
3	24.34.807739	8.85708003	3.34790877	6.63208797	9.33366392	0.09110028	8.54098769	24.26.17565	580.48420	0	0	0	2.472	2423.70408	0.22499207	0.05383136	10.2279588	0.85232398	0.0931263	0.00199563	0.31612273
4	24.32.245071	8.85711042	3.34752325	6.63191102	9.33347259	0.09109841	8.54081261	24.23.61316	579.87110	0	0	0	2.469	2421.1442	0.2251994	0.05388097	10.237384	0.85311533	0.0931263	0.00199747	0.31632823
5	24.29.685016	8.85714084	3.34717377	6.63173391	9.33328109	0.09109654	8.54063737	24.21.05328	579.25863	0	0	0	2.466	2418.58693	0.22540693	0.05393062	10.246818	0.8539015	0.		

14	2287.994756	8.85892245	3.32521489	8.62135883	9.32206277	0.09098705	8.53037178	2279.3734	545.36045	0	0	0	2.322	2277.05138	0.23756362	0.05683922	10.7994516	0.8999543	0.0931263	0.00210714	0.32858278
15	2285.581751	8.85895456	3.24831151	8.62117181	9.32186054	0.09098507	8.53018673	2276.96058	544.78316	0	0	0	2.310	2274.64102	0.23778275	0.05689165	10.8094132	0.90078444	0.0931263	0.00210908	0.32879997
16	2283.171205	8.85898661	3.24444743	8.62098461	9.32165813	0.09098311	8.53000151	2274.55022	544.20646	0	0	0	2.317	2272.23312	0.23880021	0.05694413	10.8193843	0.90165356	0.0931263	0.00211103	0.32901737
17	2280.763117	8.85901888	3.2406275	8.62079723	9.32145553	0.09098112	8.52986111	2272.14232	543.63035	0	0	0	2.315	2269.82767	0.23822164	0.05699666	10.8291647	0.90244706	0.0931263	0.00211298	0.32923497
18	2278.357484	8.85905108	3.23268009	8.62060698	9.32125273	0.09097914	8.52963054	2269.73687	543.05483	0	0	0	2.312	2267.42467	0.2384414	0.05704923	10.8393545	0.90327955	0.0931263	0.00211493	0.32945277
19	2275.954303	8.85908331	3.2329646	8.62042196	9.32104975	0.09097716	8.5294448	2267.33388	542.47989	0	0	0	2.310	2265.02413	0.23866136	0.05710186	10.8493537	0.90411281	0.0931263	0.00211688	0.32967078
20	2273.553572	8.85911558	3.2291287	8.62023453	9.32084657	0.09097518	8.52925888	2264.93334	541.90554	0	0	0	2.307	2262.62603	0.23889152	0.05715454	10.8593623	0.90494686	0.0931263	0.00211883	0.32988791
21	2271.155289	8.85914787	3.225293	8.62004597	9.32064321	0.09097319	8.52907278	2262.53524	541.33177	0	0	0	2.305	2260.23038	0.23911015	0.05720726	10.8693803	0.9057817	0.0931263	0.00212079	0.33010741
22	2268.75945	8.8591801	3.2214576	8.61985772	9.32043965	0.09097121	8.52889632	2260.13959	540.75599	0	0	0	2.302	2257.83717	0.23933248	0.05726004	10.8794078	0.90661731	0.0931263	0.00212274	0.33032604
23	2266.366504	8.85921253	3.2176225	8.61966928	9.32023591	0.09096922	8.52870007	2257.746318	540.18608	0	0	0	2.299	2255.4464	0.23954126	0.05731287	10.8894441	0.90745372	0.0931263	0.0021247	0.33054487
24	2263.975098	8.85924493	3.2137877	8.61948067	9.32003196	0.09096723	8.52851345	2255.35562	539.61398	0	0	0	2.298	2253.05802	0.23976426	0.05736574	10.8994909	0.90829091	0.0931263	0.00212666	0.33076739
25	2261.586579	8.85927735	3.22099532	8.61929188	9.31982783	0.09096523	8.52832635	2252.96729	539.04255	0	0	0	2.295	2250.67217	0.23998546	0.05741867	10.9095466	0.90912889	0.0931263	0.00212862	0.33098314
26	2259.200496	8.85930979	3.2206119	8.61910292	9.31963235	0.09096324	8.52813968	2250.58139	538.47171	0	0	0	2.293	2248.2887	0.24020688	0.05747164	10.9196118	0.90996765	0.0931263	0.00213059	0.33120259
27	2256.816845	8.85934227	3.22022851	8.61891377	9.31941898	0.09096124	8.52795253	2248.19793	537.90144	0	0	0	2.290	2245.90767	0.24040285	0.05752467	10.9296865	0.91080721	0.0931263	0.00213255	0.33142224
28	2254.435624	8.85937477	3.21986515	8.61872445	9.31921428	0.09095925	8.52776521	2245.8169	537.33176	0	0	0	2.288	2243.52906	0.24059532	0.05757774	10.9397708	0.91164795	0.0931263	0.00213452	0.33164211
29	2252.05683	8.85940731	3.21946182	8.61853495	9.31900938	0.09095725	8.52757771	2243.4383	536.76266	0	0	0	2.285	2241.15288	0.24078236	0.05763086	10.949864	0.91248968	0.0931263	0.00213649	0.33186217
30	2249.680462	8.85943988	3.21907851	8.61834527	9.31880428	0.09095524	8.52739003	2241.06212	536.19414	0	0	0	2.283	2238.77913	0.24105946	0.05768404	10.9599673	0.91333061	0.0931263	0.00213846	0.33208245
31	2247.306516	8.85947248	3.21869524	8.61815542	9.31859899	0.09095324	8.52720218	2238.68836	535.62619	0	0	0	2.281	2236.40779	0.24131706	0.05773726	10.9700799	0.91417332	0.0931263	0.00214043	0.33230293
32	2244.934091	8.85950501	3.218312	8.61796538	9.31839351	0.09095123	8.52701415	2236.37013	535.05883	0	0	0	2.278	2234.03887	0.24153972	0.05779054	10.980202	0.91501683	0.0931263	0.00214241	0.33252362
33	2242.565883	8.85953776	3.21792878	8.61775517	9.31818784	0.09094923	8.52682594	2233.94811	534.49244	0	0	0	2.276	2231.67236	0.2417626	0.05784866	10.9903336	0.91586113	0.0931263	0.00214439	0.33274451
34	2240.19919	8.85957045	3.21754559	8.61758477	9.31798197	0.09094722	8.52663756	2231.58161	533.92584	0	0	0	2.273	2229.30827	0.24198568	0.05789724	11.0004748	0.91670523	0.0931263	0.00214636	0.33296562
35	2237.83491	8.85960317	3.21716244	8.6173942	9.31777591	0.09094521	8.526449	2229.21752	533.36021	0	0	0	2.271	2226.94659	0.24220897	0.05795066	11.0106255	0.91753212	0.0931263	0.00214834	0.33318693
36	2235.473041	8.85963592	3.21677931	8.61720035	9.31756966	0.09094319	8.52626026	2226.85584	532.79516	0	0	0	2.269	2224.58732	0.24243247	0.05800044	11.0207857	0.91839881	0.0931263	0.00215033	0.33340845
37	2233.113579	8.8596687	3.21639621	8.61701252	9.31736321	0.09094118	8.52607314	2224.49657	532.23068	0	0	0	2.266	2222.23045	0.24265619	0.05805766	11.0309555	0.91924629	0.0931263	0.00215231	0.33363018
38	2230.756523	8.85970152	3.21601314	8.61682411	9.31715656	0.09093916	8.52588225	2222.1397	531.66678	0	0	0	2.264	2219.87599	0.24288011	0.05811124	11.0411348	0.92009457	0.0931263	0.00215433	0.33385211
39	2228.40187	8.85973483	3.21563011	8.61663012	9.31694973	0.09093714	8.52569239	2219.78524	531.10345	0	0	0	2.261	2217.52392	0.24310524	0.05816486	11.0513238	0.92094365	0.0931263	0.00215629	0.33407426
40	2226.054917	8.85976769	3.2152469	8.61643659	9.31674269	0.09093512	8.52550322	2217.43317	530.54070	0	0	0	2.259	2215.17429	0.24332913	0.05821859	11.0615281	0.92179152	0.0931263	0.00215825	0.33429682
41	2223.699763	8.85980014	3.21486411	8.6162427	9.31653547	0.09093311	8.5253139	2215.08352	529.97852	0	0	0	2.257	2212.92699	0.24355434	0.05827227	11.0717304	0.92264462	0.0931263	0.00216027	0.33451918
42	2221.352304	8.85983307	3.21448116	8.61605516	9.31632804	0.09093107	8.52512409	2212.73625	529.41692	0	0	0	2.254	2210.48211	0.24377791	0.05832604	11.0819481	0.92349568	0.0931263	0.00216226	0.33474195
43	2219.007238	8.85986604	3.21409824	8.61586315	9.31612043	0.09092905	8.5249341	2210.39138	528.85589	0	0	0	2.252	2208.13963	0.24400289	0.05837987	11.0921755	0.92434795	0.0931263	0.00216426	0.33496493
44	2216.664563	8.85989904	3.21371535	8.61567096	9.31591261	0.09092702	8.52474394	2208.04889	528.29543	0	0	0	2.249	2205.79953	0.24422808	0.05843375	11.1024124	0.92520103	0.0931263	0.00216625	0.33518812
45	2214.324277	8.85993206	3.21333248	8.61547859	9.3157046	0.09092499	8.5245536	2205.7888	527.73554	0	0	0	2.247	2203.46182	0.24445348	0.05848768	11.112659	0.92605492	0.0931263	0.00216825	0.33541153
46	2211.986376	8.85996493	3.21294924	8.61528623	9.3154964	0.09092296	8.52436326	2203.77109	527.17622	0	0	0	2.245	2201.12165	0.24467872	0.05854198	11.1229152	0.92690966	0.0931263	0.00217023	0.33563514
47	2209.650859	8.85999821	3.21256684	8.6150933	9.315288	0.09092092	8.52417237	2201.03577	526.61747	0	0	0	2.242	2198.79355	0.24490492	0.05859569	11.1331811	0.92776509	0.0931263	0.00217226	0.33585896
48	2207.317723	8.86003133	3.21218406	8.61490038	9.3150794	0.09091889	8.52398149	2198.70282	526.05930	0	0	0	2.240	2196.46298	0.24513096	0.05864977	11.1434566	0.928621			

16	2062.840435	8.86221706	3.28774611	8.60216797	9.30131216	0.09078451	8.51138345	2054.23827	491.49486	0	0	0	2.093	2052.1456	0.26004909	0.06221907	11.8216232	0.98513527	0.0931263	0.00230658	0.35086881
17	2060.65698	8.86225227	3.28736519	8.60196287	9.30109039	0.09078235	8.51118052	2052.05502	490.97250	0	0	0	2.090	2049.96457	0.2602894	0.06227657	11.8325474	0.98064051	0.0931263	0.00230871	0.35110699
18	2058.45775	8.86228751	3.28698429	8.60175757	9.30086841	0.09078018	8.51097739	2049.87399	489.45067	0	0	0	2.088	2047.78577	0.26052994	0.06233412	11.8434819	0.98095682	0.0931263	0.00231085	0.35134539
19	2056.296745	8.86212278	3.28660343	8.60155208	9.30064622	0.09077801	8.51077407	2047.68519	489.22337	0	0	0	2.086	2045.60919	0.26077007	0.06239172	11.8544267	0.98176889	0.0931263	0.00231298	0.35158402
20	2054.119661	8.86235808	3.28622259	8.6013464	9.30042388	0.09077584	8.51057055	2045.51861	489.40861	0	0	0	2.084	2043.43483	0.26101169	0.06244938	11.8653818	0.98287182	0.0931263	0.00231512	0.35182287
21	2051.945396	8.86239342	3.28584178	8.60114052	9.30020121	0.09077367	8.51036685	2043.34426	488.88837	0	0	0	2.082	2041.26268	0.26125229	0.06250709	11.8763472	0.9839656	0.0931263	0.00231734	0.35206194
22	2049.773049	8.86242879	3.285461	8.60093445	9.29997838	0.0907715	8.51016295	2041.17211	488.36867	0	0	0	2.079	2039.09275	0.26149434	0.06256486	11.887323	0.98506125	0.0931263	0.00231954	0.35230124
23	2047.602917	8.8624642	3.28508025	8.60072818	9.29975535	0.09076932	8.50995886	2039.00219	487.84949	0	0	0	2.077	2036.92504	0.26173801	0.06262268	11.89883092	0.98615277	0.0931263	0.00232155	0.35254077
24	2045.434998	8.86249963	3.28480953	8.60052172	9.29953211	0.09076714	8.50975458	2036.86848	487.33054	0	0	0	2.075	2034.75953	0.26198719	0.06268056	11.9093057	0.987244125	0.0931263	0.00232369	0.35278052
1	2043.269289	8.8623531	3.28431883	8.60031576	9.29930629	0.09076496	8.50955055	2034.62697	486.81173	0	0	0	2.073	2032.59629	0.26223077	0.06273849	11.9203127	0.98833584	0.0931263	0.00232584	0.35302025
2	2041.105788	8.86257061	3.28393816	8.60010821	9.299085	0.09076278	8.50934544	2032.50568	486.29514	0	0	0	2.071	2030.43515	0.2624624	0.06279647	11.9313299	0.9894275	0.0931263	0.00232799	0.35326071
3	2038.944493	8.86260615	3.28355752	8.59990117	9.29886112	0.09076059	8.50914057	2030.34459	485.77808	0	0	0	2.068	2028.27626	0.26270498	0.06285451	11.9423576	0.990519647	0.0931263	0.00233014	0.35350114
4	2036.785402	8.86264172	3.28317691	8.59969392	9.29863704	0.0907584	8.50893552	2028.18571	485.26155	0	0	0	2.066	2026.11958	0.26294779	0.06291261	11.9533957	0.99166131	0.0931263	0.00233229	0.3537418
5	2034.628512	8.86267732	3.28279563	8.59948649	9.29841274	0.09075621	8.50873027	2026.02903	484.74555	0	0	0	2.064	2023.96509	0.26319084	0.06297076	11.9644443	0.99273072	0.0931263	0.00233445	0.35398269
6	2032.473821	8.86271296	3.28241576	8.59927885	9.29818823	0.09075402	8.50852483	2023.87454	484.23007	0	0	0	2.062	2021.81128	0.26343411	0.06302896	11.9755032	0.99379586	0.0931263	0.00233661	0.3542238
7	2030.321328	8.86274863	3.28203523	8.59907102	9.29796351	0.09075183	8.50831919	2021.72226	483.71511	0	0	0	2.060	2019.65271	0.26367761	0.06308722	11.9865728	0.99488105	0.0931263	0.00233877	0.35446515
8	2028.171029	8.86278434	3.28165473	8.598863	9.29773857	0.09074963	8.50811336	2019.57217	483.20069	0	0	0	2.057	2017.51481	0.26392134	0.06314554	11.9976524	0.99598403	0.0931263	0.00234093	0.35470761
9	2026.022923	8.86282008	3.28127456	8.59865477	9.29751343	0.09074744	8.50790734	2017.42427	482.68678	0	0	0	2.055	2015.3691	0.2641653	0.06320391	12.0087427	0.99702856	0.0931263	0.00234309	0.35494851
10	2023.877007	8.86285585	3.28089381	8.59844635	9.29728807	0.09074524	8.50770112	2015.27856	482.17340	0	0	0	2.053	2013.22558	0.2644095	0.06326233	12.0198483	0.99816533	0.0931263	0.00234526	0.35519054
11	2021.733279	8.86289165	3.28051339	8.59823774	9.2970625	0.09074304	8.5074947	2013.13504	481.66505	0	0	0	2.051	2011.08424	0.26465392	0.06332081	12.0309547	0.99925796	0.0931263	0.00234743	0.35543279
12	2019.591737	8.86292749	3.280133	8.59802892	9.29683671	0.09074083	8.50728809	2010.99371	481.14821	0	0	0	2.049	2008.94509	0.26489857	0.06337935	12.0420765	1.00035037	0.0931263	0.00234964	0.35567328
13	2017.452378	8.86296337	3.27975264	8.59781991	9.29661072	0.09073863	8.50708129	2008.85456	480.63640	0	0	0	2.046	2006.80812	0.26514345	0.06343704	12.0532087	1.00144306	0.0931263	0.00235177	0.35591799
14	2015.315201	8.86299927	3.27937231	8.5976107	9.2963845	0.09073642	8.50687429	2006.71759	480.12511	0	0	0	2.044	2004.67333	0.26538857	0.06349659	12.0643515	1.00253622	0.0931263	0.00235394	0.35616093
15	2013.180203	8.86303522	3.278992	8.5974013	9.29615808	0.09073421	8.50666709	2004.5828	479.61435	0	0	0	2.042	2002.54072	0.26563392	0.06355529	12.0755047	1.00362906	0.0931263	0.00235612	0.3564041
16	2011.047382	8.86307119	3.27861712	8.59719169	9.29593144	0.090732	8.5064597	2002.45019	479.10410	0	0	0	2.040	2000.41028	0.26587395	0.06361404	12.0866685	1.00472228	0.0931263	0.0023583	0.3566475
17	2008.916736	8.8631073	3.27823147	8.59698189	9.29575405	0.09072978	8.50625211	2000.31975	478.54947	0	0	0	2.038	1998.28201	0.26612531	0.06367286	12.0978429	1.00581557	0.0931263	0.00236048	0.35689113
18	2006.788552	8.86314331	3.27785154	8.59677189	9.29557752	0.09072757	8.50604043	1998.13795	478.08517	0	0	0	2.036	1996.65591	0.26637092	0.06373095	12.1090729	1.00690845	0.0931263	0.00236266	0.35713409
19	2004.661959	8.86317932	3.27747104	8.59656169	9.29535024	0.09072535	8.50583635	1996.0564	477.57648	0	0	0	2.033	1994.03199	0.26661762	0.06379065	12.1202322	1.0080186	0.0931263	0.00236484	0.35737908
20	2002.537823	8.86321543	3.27709087	8.5963513	9.29502274	0.09072313	8.50562817	1993.94147	477.06831	0	0	0	2.031	1991.91023	0.26686413	0.06384963	12.1314293	1.0095244	0.0931263	0.00236703	0.35762324
21	2000.415854	8.86325157	3.27670173	8.5961407	9.29479503	0.0907209	8.5054198	1991.81971	476.56066	0	0	0	2.029	1989.79063	0.26711087	0.06390866	12.1426459	1.0118716	0.0931263	0.00236922	0.35786795
22	1998.296048	8.86328775	3.27633062	8.59592991	9.2945671	0.09071868	8.50521123	1989.70012	476.05353	0	0	0	2.027	1987.67319	0.26735784	0.06396775	12.1538731	1.01282276	0.0931263	0.00237141	0.35811274
23	1996.178404	8.86332396	3.27595053	8.59571891	9.29433896	0.09071645	8.50500246	1987.58248	475.54692	0	0	0	2.025	1985.55792	0.26760505	0.0640269	12.1651109	1.01379524	0.0931263	0.0023736	0.35835775
24	1994.062019	8.86336037	3.27556977	8.59550772	9.2941106	0.09071422	8.5047915	1985.46741	475.04082	0	0	0	2.023	1983.44344	0.26785249	0.0640853	12.1763951	1.01469661	0.0931263	0.0023758	0.35860295
1	1991.945951	8.86339649	3.27519044	8.59529633	9.29388202	0.09071199	8.50458433	1983.35429	474.53524	0	0	0	2.020	1981.33383	0.26810017	0.06414536	12.1876184	1.01563487	0.0931263	0.00237799	0.35884847
2	1989.838417	8.86343281	3.27481044	8.59508473	9.29365323	0.09070976	8.50437497	1981.24333	474.03017	0	0	0	2.018	1979.22502	0.26834807	0.06420467	12.1988881	1.01657401	0.0931263	0.00238019	0.35909418
3	1987.729397	8.86346916	3.27443046	8.59487294	9.29342423	0.09070752	8.50416542	1979.13452	473.52562	0	0	0	2.016	1977.11836	0.26859622	0.06426404	12.2101684	1.01751404	0.0931263	0.00238239	0.35934012
4	1985.62527	8.86350554	3.27405051	8.59466095	9.293195	0.09070529	8.50395566	1977.02787	473.02158	0	0	0	2.014	1975.01185	0.26884459	0.06432347	12.2214594	1.01845495	0.0931263	0.0023846	0.35958363
5	1983.517805	8.86354196	3.27366516	8.59445275	9.29296705	0.09070305	8.50374571	1974.92366	472.51868	0	0	0	2.012	1972.91148	0.26909302	0.06438296	12.232761	1.01939867	0.0931263	0.0023868	0.35983127
6	1981.415123	8.86357841	3.27329069	8.59423636	9.29273591	0.09070081	8.50353555	1972.82099	472.01505	0	0	0	2.010	1970.81126	0.26934205	0.06444249	12.2440734	1.02033495	0.0931263	0.00238901	0.36007934
7	1979.314798	8.86361489	3.27291083	8.59402376	9.29250603	0.09069856	8.5033252	1970.72077	471.51255	0	0	0	2.008	1968.71318	0.26959113	0.06450209	12.2553965	1.02128304	0.0931263	0.00239122	0.36032621
8	1977.216508	8.86365142	3.27253099	8.59381097	9.29227594	0.09069632	8.50311465	1968.6227	471.01057	0	0	0	2.005	1966.61724	0.26984045	0.06456154	12.2667302	1.02222752	0.0931263	0.00239343	0.36057332
9	1975.120358	8.86368797	3.27215118	8.59359797	9.29204563	0.09069407	8.5029039	1966.52676	470.50103	0	0	0	2.003	1964.52344	0.27009	0.06462145	12.2780746	1.02317289	0.0931263	0.00239564	0.36082066
10	1973.026345	8.86372456	3.27177139	8																	

18	1859.106718	8.86582957	3.2505466	8.58111798	9.27855133	0.09056236	8.49055562	1850.5256	442.75478	0	0	0	1.885	1848.64045	0.28471159	0.06811979	12.9427603	1.07856336	0.0931263	0.00252533	0.37531256
19	1857.131009	8.86586818	3.25016835	8.58089297	9.27830803	0.09055998	8.49033298	1848.55012	442.88213	0	0	0	1.881	1846.66698	0.28497521	0.06818287	12.9547444	1.07956203	0.0931263	0.00252767	0.37557384
20	1855.157314	8.86590682	3.24979012	8.58066774	9.27864949	0.09055761	8.49011013	1846.57665	441.80992	0	0	0	1.881	1844.69552	0.28523908	0.0682466	12.9667399	1.08056165	0.0931263	0.00253001	0.37583537
21	1853.185532	8.8659455	3.24941192	8.58040423	9.27782073	0.09055523	8.48988707	1844.65519	441.33827	0	0	0	1.879	1842.72607	0.28550321	0.06830919	12.9787467	1.08155222	0.0931263	0.00253236	0.37609715
22	1851.215196	8.86598422	3.24903374	8.58021664	9.27757673	0.09055285	8.48963838	1842.63574	440.86707	0	0	0	1.877	1840.75863	0.28576758	0.06832745	12.9907648	1.08256374	0.0931263	0.0025347	0.37635918
23	1849.248298	8.86602298	3.2486556	8.57999077	9.27733251	0.09055046	8.48944031	1840.66831	440.39634	0	0	0	1.875	1838.7932	0.2860322	0.06843576	13.0027944	1.0835662	0.0931263	0.00253705	0.37662146
24	1847.282642	8.86606177	3.24827748	8.57976469	9.27708805	0.09054808	8.48921661	1838.70288	439.92609	0	0	0	1.873	1836.82977	0.28629708	0.06849913	13.0148354	1.08456962	0.0931263	0.0025394	0.37688398
136	1	1845.31899	8.8661006	3.24789938	8.57953839	9.27684336	8.48899271	1836.73945	439.45632	0	0	0	1.871	1834.86835	0.2865622	0.06856257	13.0268878	1.08557398	0.0931263	0.00254175	0.37714645
2	1843.357341	8.86613946	3.24741331	8.57931188	9.27659844	0.0905433	8.48876858	1834.77803	438.98704	0	0	0	1.869	1832.90892	0.28682758	0.06862606	13.0389516	1.08658793	0.0931263	0.0025441	0.37740978
3	1841.397093	8.86617836	3.24713327	8.57908519	9.27635328	0.09054091	8.48854425	1832.81861	438.51823	0	0	0	1.867	1830.9515	0.28709127	0.06868961	13.0510269	1.08758557	0.0931263	0.00254646	0.37767305
4	1839.440043	8.8662173	3.24676325	8.57885821	9.2761079	0.09053851	8.4883197	1830.86118	438.04990	0	0	0	1.865	1828.9967	0.28735009	0.06875323	13.0631135	1.08859279	0.0931263	0.00254882	0.37793657
5	1837.484389	8.86625627	3.24638726	8.57863106	9.27586228	0.09053611	8.48809494	1828.90576	437.58204	0	0	0	1.863	1827.04264	0.28762522	0.0688169	13.0752116	1.08960097	0.0931263	0.00255118	0.37820034
6	1835.53073	8.86629529	3.2460093	8.57840368	9.27561643	0.09053371	8.48786997	1826.95233	437.11467	0	0	0	1.861	1825.09015	0.2878916	0.06888064	13.0873212	1.0906101	0.0931263	0.00255354	0.37846436
7	1833.579063	8.86633343	3.24563136	8.5781761	9.27537034	0.09053131	8.48764749	1825.00089	436.64777	0	0	0	1.859	1823.14174	0.28815824	0.06894443	13.0994423	1.09162019	0.0931263	0.0025559	0.37872863
8	1831.629387	8.86637342	3.24525345	8.57794629	9.27512447	0.09052891	8.48741939	1823.05144	436.18135	0	0	0	1.857	1821.19428	0.28842453	0.06900829	13.1115749	1.09263124	0.0931263	0.00255827	0.37899316
9	1829.681699	8.86641254	3.24487556	8.57772027	9.27487747	0.0905265	8.48719377	1821.10398	435.71540	0	0	0	1.855	1819.24488	0.28869227	0.0690722	13.1237189	1.09364304	0.0931263	0.00256064	0.37925793
10	1827.735997	8.8664517	3.24449771	8.57749204	9.27463068	0.09052409	8.48696794	1819.15851	435.24993	0	0	0	1.853	1817.30531	0.28895966	0.06913618	13.1358745	1.09465621	0.0931263	0.00256301	0.37952529
11	1825.79228	8.8664909	3.24411987	8.57726358	9.27438366	0.09052168	8.4867419	1817.21502	434.78493	0	0	0	1.851	1815.3638	0.28922731	0.06920022	13.1480416	1.09567014	0.0931263	0.00256539	0.37978823
12	1823.850544	8.86653013	3.24374207	8.57703491	9.27413641	0.09051927	8.48651565	1815.27351	434.32041	0	0	0	1.849	1813.42427	0.28949522	0.06926432	13.1602203	1.09668502	0.0931263	0.00256776	0.38005375
13	1821.910789	8.86656954	3.24336428	8.57680603	9.27388892	0.09051685	8.48628918	1813.33398	433.85636	0	0	0	1.847	1811.48672	0.28976337	0.06932848	13.1724105	1.09770087	0.0931263	0.00257014	0.38031953
14	1819.970313	8.86660871	3.24298653	8.57657692	9.2736412	0.09051443	8.48606249	1811.39644	433.39278	0	0	0	1.845	1809.55115	0.29003178	0.06939227	13.1846122	1.09871768	0.0931263	0.00257252	0.38058556
15	1818.037212	8.86664805	3.2426088	8.5763476	9.27339324	0.09051201	8.48583559	1809.46086	432.92968	0	0	0	1.843	1807.61755	0.29030045	0.06945698	13.1968255	1.09973546	0.0931263	0.00257491	0.38085185
16	1816.103386	8.86668743	3.2422311	8.57611806	9.27314504	0.09050959	8.48560847	1807.52277	432.46705	0	0	0	1.841	1805.68592	0.29056937	0.06952132	13.2090504	1.1007542	0.0931263	0.00257729	0.38111838
17	1814.175332	8.86672685	3.24185342	8.57588831	9.27289661	0.09050717	8.48538114	1805.59564	432.00489	0	0	0	1.839	1803.75627	0.29083855	0.06958572	13.2212869	1.10177391	0.0931263	0.00257968	0.38138517
18	1812.241648	8.86676631	3.24147577	8.57565831	9.27264795	0.09050474	8.48515359	1803.66599	431.54320	0	0	0	1.837	1801.82858	0.29110798	0.06965018	13.233535	1.10279458	0.0931263	0.00258207	0.38165221
19	1810.317372	8.8668058	3.24109815	8.57542814	9.27239904	0.09050231	8.48492583	1801.73833	431.08199	0	0	0	1.835	1799.90286	0.29137766	0.06971471	13.2457947	1.10381623	0.0931263	0.00258446	0.38191953
20	1808.387782	8.86684531	3.24072521	8.57519773	9.27214991	0.09049988	8.48469755	1799.85125	430.62124	0	0	0	1.833	1797.97491	0.29164758	0.06977919	13.2580651	1.10483862	0.0931263	0.00258682	0.38218703
21	1806.463797	8.8668849	3.24034927	8.5749671	9.27190053	0.09049744	8.48446965	1797.88883	430.15047	0	0	0	1.832	1796.04376	0.29191718	0.06984304	13.270349	1.10586242	0.0931263	0.00258925	0.38245485
22	1804.541774	8.86692451	3.23996543	8.57473625	9.27165092	0.09049501	8.48424124	1795.96704	429.70116	0	0	0	1.830	1794.13747	0.29218826	0.06990865	13.2826437	1.10688697	0.0931263	0.00259165	0.38272291
23	1802.621711	8.86696415	3.23958791	8.57450518	9.27140107	0.09049257	8.48401261	1794.04721	429.24182	0	0	0	1.828	1792.21959	0.29245897	0.06997342	13.29495	1.1079125	0.0931263	0.00259405	0.38299122
24	1800.703606	8.86700383	3.23921041	8.5742739	9.27115099	0.09049013	8.48378377	1792.12933	428.78296	0	0	0	1.826	1790.30367	0.29272993	0.07003825	13.3072679	1.10893899	0.0931263	0.00259646	0.38325978
137	1	1798.787457	8.86704355	3.23883294	8.57404299	9.27090067	8.4835447	1790.21341	428.32655	0	0	0	1.824	1788.38973	0.29300116	0.07010315	13.3195976	1.10996647	0.0931263	0.00259886	0.38352586
2	1796.874263	8.86708321	3.23846159	8.57381277	9.27065184	0.09048754	8.48332577	1788.29945	427.86662	0	0	0	1.822	1786.45772	0.29327254	0.07016819	13.3319459	1.11099495	0.0931263	0.00260126	0.38379175
3	1794.961021	8.8671231	3.23808708	8.57357872	9.27039931	0.09048529	8.48309592	1786.38744	427.40916	0	0	0	1.820	1784.52673	0.29354438	0.07023312	13.344292	1.11202433	0.0931263	0.00260368	0.384067
4	1793.050729	8.86716293	3.23770069	8.57334655	9.27014827	0.09048034	8.48286621	1784.47738	426.95216	0	0	0	1.818	1782.59592	0.29381638	0.07029819	13.3566568	1.11305473	0.0931263	0.00260609	0.38433659
5	1791.142385	8.86720279	3.23732332	8.57311416	9.2698977	0.09047789	8.48263627	1782.56927	426.49563	0	0	0	1.816	1780.75335	0.29408863	0.07036333	13.3690333	1.11408611	0.0931263	0.00260851	0.38460643
6	1789.235987	8.8672427	3.23694598	8.57288155	9.26964548	0.09047543	8.48240612	1780.63311	426.03956	0	0	0	1.814	1778.84913	0.29436115	0.07042853	13.3814215	1.11511846	0.0931263	0.00261092	0.38487652
7	1787.331534	8.86728264	3.23657233	8.57264913	9.26939973	0.09047298	8.48217528	1778.56489	425.58386	0	0	0	1.812	1776.94039	0.29463367	0.07049389	13.3938214	1.11615118	0.0931263	0.00261334	0.38514688
8	1785.429023	8.86732263	3.23619138	8.57241568	9.26914174	0.09047052	8.48194516	1776.55661	425.12882	0	0	0	1.810	1775.04651	0.29490695	0.07055912	13.4062233	1.11718611	0.0931263	0.00261576	0.38541749
9	1783.528453	8.86736265	3.23581411	8.57218234	9.26888951	0.09046806	8.48171435	1774.55627	424.67415	0	0	0	1.808	1773.14811	0.29518024	0.07062451	13.4186569	1.11822141	0.0931263	0.00261819	0.38568835
10	1781.62982	8.8674027	3.23543688	8.57194891	9.26863704	0.09046559	8.48148332	1773.05787	424.21994	0	0	0	1.806	1771.25164	0.29545379	0.07068996	13.4310922	1.11925769	0.0931263	0.00262061	0.38595948
11	1779.733125	8.8674428	3.23505966	8.5717152	9.26838433	0.09046312	8.48125207	1771.16141	423.76619	0	0	0	1.804	1769.35711	0.2957276	0.07075547	13.4435394	1.12029495	0.0931263	0.00262304	0.38623086
12	1777.838363	8.86748293	3.23468248	8.57148126																	

20	1674.759144	8.86979205	3.21360045	8.55801962	9.25357565	0.09031859	8.46770104	1666.20112	398.65351	0	0	0	1.697	1664.50375	0.31177243	0.07459434	14.1792244	1.18107704	0.031263	0.00276536	0.40213337
21	1672.971451	8.86983441	3.2132247	8.55772766	9.25330861	0.09031598	8.46745668	1664.41368	398.22584	0	0	0	1.696	1662.71812	0.31206175	0.07466356	14.1826077	1.18217306	0.031263	0.00276792	0.40240213
22	1671.185582	8.86987681	3.21284897	8.55752546	9.25304132	0.09031337	8.46721209	1662.62806	397.79862	0	0	0	1.694	1660.93432	0.31235134	0.07473285	14.1992414	1.18327012	0.031263	0.00277049	0.40270715
23	1669.401534	8.86991925	3.21247327	8.55727803	9.25277378	0.09031076	8.46696727	1660.84426	397.37183	0	0	0	1.692	1659.15244	0.31264121	0.07480022	14.2124187	1.18436823	0.031263	0.00277306	0.40299445
24	1667.619306	8.86996172	3.21209759	8.55703036	9.25250598	0.09030815	8.46672222	1659.06228	396.94547	0	0	0	1.690	1657.37317	0.31293136	0.07487162	14.2255085	1.18546738	0.031263	0.00277564	0.40328202
140	1	1665.838896	8.87000424	3.21172193	8.55678284	9.25223793	0.09030553	8.46647693	1657.28211	396.51995	0	0	1.688	1655.59382	0.31322178	0.07494111	14.2388109	1.18656758	0.031263	0.00277821	0.40356987
	2	1664.060302	8.8700468	3.2113463	8.55653432	9.25196962	0.09030291	8.46623141	1655.50377	396.09407	0	0	1.686	1653.81729	0.31351248	0.07501066	14.2520258	1.18766882	0.031263	0.00278079	0.40385799
	3	1662.28352	8.8700894	3.21097069	8.55628594	9.25170106	0.09030029	8.46598565	1653.72724	395.66902	0	0	1.685	1652.04257	0.31380346	0.07508028	14.2652534	1.18877111	0.031263	0.00278337	0.40414639
	4	1660.508555	8.87013204	3.21059511	8.55603783	9.25143224	0.09029767	8.46573966	1651.52522	395.24440	0	0	1.683	1650.26966	0.31409471	0.07514987	14.2784933	1.18987446	0.031263	0.00278596	0.40443306
	5	1658.733398	8.87017451	3.21021951	8.55578848	9.25116316	0.09029504	8.46549314	1649.37961	394.82022	0	0	1.681	1648.49854	0.31438424	0.07521972	14.2917462	1.19097854	0.031263	0.00278854	0.40472174
	6	1656.96405	8.87021744	3.20984402	8.55553939	9.25089833	0.09029241	8.46524608	1647.40851	394.39646	0	0	1.679	1646.72926	0.31467805	0.07528953	14.3050116	1.1920843	0.031263	0.00279113	0.40501322
	7	1655.194509	8.8702602	3.20946851	8.55529006	9.25062424	0.09028978	8.46500028	1645.63922	393.97315	0	0	1.677	1644.96177	0.31497013	0.07535942	14.3182895	1.19319108	0.031263	0.00279372	0.40530271
	8	1653.426772	8.870303	3.20909303	8.5550405	9.25035439	0.09028715	8.46475336	1644.87173	393.55026	0	0	1.676	1643.19609	0.3152625	0.07542937	14.3315802	1.19429835	0.031263	0.00279631	0.40559248
	9	1651.660839	8.87034584	3.20871757	8.5547907	9.25008493	0.09028451	8.46450619	1643.10605	393.12780	0	0	1.674	1641.4322	0.31555514	0.07549939	14.3448834	1.19540609	0.031263	0.00279891	0.40588253
	10	1649.896708	8.87038872	3.20834214	8.55454066	9.24981383	0.09028187	8.46425879	1641.34217	392.70578	0	0	1.672	1639.67012	0.31584805	0.07556947	14.3581994	1.19651662	0.031263	0.00280151	0.40617285
141	11	1648.134375	8.87043165	3.20796672	8.55429058	9.24954331	0.09027923	8.46401116	1639.58009	392.28418	0	0	1.670	1637.90983	0.31614126	0.07563962	14.371528	1.19762734	0.031263	0.00280411	0.40646345
	12	1646.373841	8.87047461	3.20759134	8.55403987	9.24927243	0.09027659	8.46376328	1637.8189	391.86302	0	0	1.668	1636.15134	0.31643474	0.07570984	14.3848694	1.19873911	0.031263	0.00280671	0.40675433
	13	1644.615103	8.87051761	3.20721598	8.55378912	9.2490013	0.09027394	8.46351518	1636.06131	391.44229	0	0	1.667	1634.39464	0.3167285	0.07578012	14.3982234	1.19985195	0.031263	0.00280932	0.40704548
	14	1642.858158	8.87056066	3.20684064	8.55353812	9.24872991	0.09027129	8.46326683	1634.30462	391.02198	0	0	1.665	1632.63974	0.31702254	0.07585047	14.4115901	1.20096585	0.031263	0.00281193	0.40733691
	15	1641.103006	8.87060374	3.20646532	8.55328689	9.24845826	0.09026864	8.46301825	1632.54972	390.60211	0	0	1.663	1630.88663	0.31731686	0.07592089	14.4249696	1.2020808	0.031263	0.00281454	0.40762862
	16	1639.349644	8.87064687	3.20609004	8.55303542	9.24818634	0.09026598	8.46276943	1630.79661	390.18266	0	0	1.661	1629.1353	0.31761145	0.07599138	14.4383619	1.20319682	0.031263	0.00281715	0.40792061
	17	1637.59807	8.87069004	3.20571477	8.55278371	9.24791417	0.09026333	8.46250328	1629.04529	389.76364	0	0	1.660	1627.38576	0.31790633	0.07606393	14.4517669	1.2043139	0.031263	0.00281976	0.40821287
	18	1635.848284	8.87073325	3.20533953	8.55253175	9.24764175	0.09026067	8.46227108	1627.29575	389.34505	0	0	1.658	1625.63801	0.31820149	0.07613255	14.4651846	1.20543205	0.031263	0.00282238	0.40850541
	19	1634.100282	8.8707765	3.20496431	8.55227956	9.24736906	0.09025801	8.46202155	1625.548	388.92688	0	0	1.656	1623.89204	0.31849694	0.07620324	14.4786152	1.20655127	0.031263	0.00282495	0.40879823
	20	1632.354063	8.87081979	3.20458912	8.55202713	9.24709611	0.09025534	8.46177179	1623.80204	388.50913	0	0	1.654	1622.14785	0.31879266	0.07627399	14.4920585	1.20767154	0.031263	0.00282763	0.40909134
142	21	1630.609626	8.87086312	3.20421395	8.55177446	9.24682227	0.09025268	8.46152178	1622.05785	388.09183	0	0	1.652	1620.40545	0.31908867	0.07634481	14.5050547	1.20872929	0.031263	0.00283025	0.40938472
	22	1628.869648	8.87090641	3.20384369	8.55152154	9.24654945	0.09025001	8.46127175	1620.31545	387.67495	0	0	1.650	1618.64541	0.31938495	0.07641512	14.5180987	1.20978733	0.031263	0.00283287	0.40967807
	23	1627.126088	8.87094991	3.20346369	8.55126839	9.2462757	0.09024734	8.46102105	1618.57482	387.25849	0	0	1.649	1616.92596	0.31968152	0.07648666	14.5315455	1.21083979	0.031263	0.00283551	0.40997231
	24	1625.386984	8.87099336	3.20308859	8.55101499	9.24600171	0.09024466	8.46077033	1616.83597	386.84245	0	0	1.647	1615.18888	0.31997837	0.07655769	14.5459602	1.2116335	0.031263	0.00283814	0.41026653
	1	1623.649654	8.87103686	3.20271352	8.55076135	9.24572745	0.09024198	8.46051937	1615.09889	386.42684	0	0	1.645	1613.45358	0.32027551	0.07662878	14.5594677	1.21238897	0.031263	0.00284078	0.41056033
	2	1621.914096	8.8710804	3.20233847	8.55050747	9.24545294	0.09023931	8.46026817	1613.36359	386.01165	0	0	1.644	1611.72004	0.32057293	0.07669994	14.5729881	1.21314157	0.031263	0.00284342	0.41085581
	3	1620.180308	8.87112398	3.20196345	8.55025335	9.24517816	0.09023662	8.46001672	1611.33005	385.59869	0	0	1.642	1609.98827	0.32087063	0.07677117	14.5865214	1.21389434	0.031263	0.00284604	0.41115087
	4	1618.448289	8.87116751	3.20158912	8.54999934	9.24490312	0.09023394	8.45976587	1609.89829	385.1835	0	0	1.640	1608.25947	0.32116827	0.07684241	14.5999876	1.21464733	0.031263	0.00284867	0.41144622
	5	1616.718037	8.87121126	3.20121347	8.54974438	9.24462782	0.09023125	8.45951312	1608.18829	384.76863	0	0	1.638	1606.53004	0.32146689	0.07691382	14.6133627	1.21540022	0.031263	0.00285135	0.41174184
	6	1614.98955	8.87125496	3.20083852	8.54948953	9.24435226	0.09022856	8.45926096	1606.44006	384.35514	0	0	1.636	1604.80357	0.32176544	0.07698526	14.6271987	1.21615323	0.031263	0.00285399	0.41203775
143	7	1613.262826	8.87129871	3.20046359	8.54923434	9.24407603	0.09022587	8.45900856	1604.71359	383.94296	0	0	1.635	1603.07886	0.32206248	0.07705676	14.6407837	1.22006531	0.031263	0.00285664	0.41233394
	8	1611.537864	8.8713425	3.20008869	8.54897909	9.24380034	0.09022318	8.45875592	1602.98889	383.52941	0	0	1.633	1601.35591	0.3223634	0.07712832	14.6543816	1.22119847	0.031263	0.0028593	0.41263041
	9	1609.814652	8.87138632	3.19971381	8.54872404	9.24352489	0.09022048	8.45850347	1601.26594	383.11718	0	0									

22	1507.95682	8.87414015	3.17689063	8.53266248	9.22615759	0.09005098	8.44261151	1499.42416	358.75063	0	0	0	1.527	1497.89668	0.34147766	0.08170158	15.5233005	1.29360837	0.0931263	0.00302884	0.43157513
23	1506.339292	8.87418663	3.17651719	8.53293131	9.22586438	0.09004811	8.44234319	1497.8069	358.36368	0	0	0	1.526	1496.28107	0.34179533	0.08177759	15.5377413	1.29481717	0.0931263	0.0030165	0.43189997
24	1504.723414	8.87423317	3.17614378	8.53211987	9.22557088	0.09004625	8.44207462	1496.19129	357.97714	0	0	0	1.524	1486.66711	0.34211329	0.08185866	15.5521959	1.29056132	0.0931263	0.00304448	0.43220512
1	1503.109185	8.87427974	3.17577039	8.53184818	9.2252771	0.09004238	8.44180548	1494.57734	357.59098	0	0	0	1.523	1489.0548	0.34243157	0.08192981	15.5666643	1.29722202	0.0931263	0.00303273	0.43252057
2	1501.496063	8.87432637	3.17539703	8.53157622	9.22498305	0.09003951	8.44153671	1492.96503	357.20522	0	0	0	1.521	1491.44413	0.34275014	0.08200603	15.5811465	1.29842888	0.0931263	0.00304012	0.43283632
3	1499.885666	8.87437303	3.17502368	8.53130401	9.22468871	0.09003664	8.44126737	1491.35436	356.81986	0	0	0	1.519	1489.83511	0.34306903	0.08208233	15.5956427	1.29963689	0.0931263	0.00304295	0.43315238
4	1498.276373	8.87441974	3.17465036	8.53103153	9.22439408	0.09003376	8.44099777	1489.74534	356.43488	0	0	0	1.518	1488.22772	0.34338821	0.0821587	15.6101527	1.30084605	0.0931263	0.00304578	0.43346873
5	1496.668722	8.8744665	3.17427707	8.53075879	9.22409918	0.09003088	8.44072791	1488.13799	356.05030	0	0	0	1.516	1486.62198	0.34370771	0.08223514	15.6246765	1.30205638	0.0931263	0.00304862	0.43378539
6	1495.067212	8.87451133	3.17390379	8.53048579	9.22380399	0.090028	8.44045779	1486.53223	355.66612	0	0	0	1.514	1485.01788	0.34409775	0.08231165	15.6392143	1.30326786	0.0931263	0.00305145	0.43410235
7	1493.45834	8.87454603	3.1735354	8.5299852	9.22350852	0.09002512	8.44018712	1484.93813	355.28322	0	0	0	1.512	1483.41542	0.34443471	0.08238861	15.6531766	1.30448405	0.0931263	0.00305421	0.43441862
8	1491.855605	8.87460703	3.17315731	8.52939091	9.22321277	0.09002223	8.43991678	1483.25533	354.89892	0	0	0	1.511	1481.81459	0.34466802	0.0824465	15.6658316	1.30569493	0.0931263	0.00305714	0.43473719
9	1490.254505	8.87465397	3.1727841	8.52966523	9.22291674	0.09001934	8.43964589	1481.72484	354.51591	0	0	0	1.509	1480.21539	0.34498874	0.08254164	15.6829112	1.30690926	0.0931263	0.00305998	0.43505506
10	1488.655039	8.87470094	3.17241091	8.52939118	9.22262042	0.09001645	8.43937473	1480.12565	354.13329	0	0	0	1.508	1478.61783	0.34530976	0.08261845	15.6975047	1.30812539	0.0931263	0.00306283	0.43537324
11	1487.057205	8.87474797	3.17203775	8.52911687	9.22232381	0.09001356	8.43910332	1478.52809	353.75106	0	0	0	1.506	1477.0219	0.34563109	0.08269533	15.7121122	1.30934268	0.0931263	0.00306568	0.43569172
12	1485.461002	8.87479504	3.17166461	8.52884823	9.22202693	0.09001066	8.43883164	1476.93216	353.36822	0	0	0	1.505	1475.4276	0.34595273	0.08277228	15.7267338	1.31056114	0.0931263	0.00306851	0.4360105
13	1483.866427	8.87484215	3.17129149	8.52856747	9.22172976	0.09000776	8.43855971	1475.33786	352.98776	0	0	0	1.503	1473.83492	0.34627468	0.08284931	15.7413691	1.31178076	0.0931263	0.00307139	0.43632959
14	1482.273479	8.87488931	3.17091884	8.52829237	9.22143232	0.09000485	8.43828752	1473.74519	352.60670	0	0	0	1.501	1472.24387	0.34659693	0.08292641	15.7560186	1.31300155	0.0931263	0.00307424	0.43664899
15	1480.682156	8.87493651	3.17054532	8.52801701	9.22113456	0.09000195	8.43801506	1472.15414	352.22603	0	0	0	1.500	1470.65444	0.3469195	0.08300359	15.7706821	1.31422251	0.0931263	0.00307711	0.43696887
16	1479.092457	8.87498376	3.17017227	8.52774235	9.22083653	0.08999904	8.43774235	1470.56472	351.84575	0	0	0	1.498	1469.06664	0.34724237	0.08308084	15.7853596	1.31544663	0.0931263	0.00307997	0.4372888
17	1477.504381	8.87503105	3.16979924	8.5274655	9.22053822	0.08999613	8.43746937	1468.97692	351.46585	0	0	0	1.496	1467.48045	0.34756555	0.08315816	15.8000512	1.31667093	0.0931263	0.00308284	0.43760902
18	1475.917924	8.87507839	3.16942624	8.52718934	9.22023962	0.08999321	8.43719613	1467.39073	351.08634	0	0	0	1.495	1465.89589	0.34788905	0.08323556	15.8147569	1.31789641	0.0931263	0.00308571	0.43792964
19	1474.333087	8.87512577	3.16905325	8.52691292	9.21994074	0.0899903	8.43692263	1465.80617	350.70722	0	0	0	1.493	1464.31294	0.34821285	0.08331303	15.8294766	1.31912305	0.0931263	0.00308858	0.43825057
20	1472.749866	8.8751732	3.16868029	8.52663624	9.21964156	0.08998738	8.43664886	1464.22323	350.32849	0	0	0	1.492	1462.73161	0.34853696	0.08339058	15.8442105	1.32035057	0.0931263	0.00309145	0.43857181
21	1471.168261	8.87522067	3.16830735	8.52635929	9.21934211	0.08998445	8.43637484	1462.6419	349.95014	0	0	0	1.490	1461.1515	0.34886138	0.0834682	15.8589584	1.32157987	0.0931263	0.00309423	0.43889335
22	1469.58827	8.87526819	3.16793443	8.52608208	9.21904236	0.08998153	8.43610055	1461.06219	349.57218	0	0	0	1.488	1459.57379	0.34918611	0.0835459	15.8737205	1.32281004	0.0931263	0.00309701	0.4392152
23	1468.00991	8.87531575	3.16756154	8.5258046	9.21874233	0.0899786	8.435826	1459.48409	349.19461	0	0	0	1.487	1457.9973	0.34951116	0.08362367	15.8884967	1.32404139	0.0931263	0.00310009	0.43953173
24	1466.433122	8.87536301	3.16718667	8.52552695	9.21844201	0.08997567	8.43555124	1457.39076	348.8174	0	0	0	1.485	1456.42152	0.34983691	0.08370137	15.9032731	1.32527328	0.0931263	0.00310317	0.43985363
1	1464.857963	8.87541102	3.16681582	8.52524884	9.2181414	0.08997273	8.43527611	1455.32741	348.44061	0	0	0	1.484	1454.84914	0.35016218	0.08377943	15.9180917	1.32650764	0.0931263	0.00310627	0.44018162
2	1463.284411	8.87545872	3.16644299	8.52497056	9.21784051	0.08996986	8.43500076	1454.75944	348.06419	0	0	0	1.482	1453.27746	0.35048816	0.08385742	15.9329104	1.32772753	0.0931263	0.00310876	0.4405057
3	1461.712465	8.87550646	3.16607018	8.52469202	9.21753932	0.08996686	8.43472516	1453.18777	347.68812	0	0	0	1.480	1451.7074	0.35081445	0.08393549	15.9477433	1.32897861	0.0931263	0.00311165	0.4408291
4	1460.142122	8.87555426	3.16565974	8.5244132	9.21723785	0.08996391	8.43444929	1451.61771	347.31251	0	0	0	1.479	1450.13893	0.35114105	0.08401363	15.9625905	1.33021587	0.0931263	0.00311455	0.4411528
5	1458.573382	8.87560209	3.16525463	8.52413412	9.21693607	0.08996097	8.43417315	1450.04925	346.93724	0	0	0	1.477	1448.57207	0.35146797	0.08409185	15.9774518	1.33145432	0.0931263	0.00311745	0.44147682
6	1457.000243	8.87564907	3.16489169	8.5238564	9.21663404	0.08995804	8.43389675	1448.42329	346.56235	0	0	0	1.475	1447.00465	0.35179498	0.08417074	15.9923729	1.33269195	0.0931263	0.00312034	0.44180115
7	1455.440702	8.8756979	3.16459718	8.52357516	9.21633317	0.08995507	8.43362009	1446.91713	346.18785	0	0	0	1.474	1445.44314	0.35212274	0.08424851	16.0072173	1.33393478	0.0931263	0.00312326	0.44212579
8	1453.87676	8.87574588	3.16420648	8.52329528	9.21602906	0.08995212	8.43334316	1445.35346	345.81373	0	0	0	1.472	1443.88107	0.35245056	0.08432696	16.0221215	1.33517679	0.0931263	0.00312617	0.44245074
9	1452.314413	8.8757939	3.16383381	8.52301513	9.21572614	0.08994916	8.43306597	1444.79134	345.43966	0	0	0	1.471	1442.32059	0.35277877	0.08440457	16.0370399	1.33641999	0.0931263	0.00312908	0.442776
10	1450.75366	8.87584196	3.16346116	8.52273747	9.21542293	0.08994622	8.4327885	1443.23093	345.06664	0	0	0	1.469	1440.76171	0.35310726	0.08448407	16.0519726	1.33766438	0.0931263	0.00313199	0.44310157
11	1449.1945	8.87589001	3.16308953	8.52246042	9.21512044	0.08994324	8.43251132	1442.07375	344.69366	0	0	0	1.467	1439.20421	0.35343496	0.08456273	16.0669196	1.33889091	0.0931263	0.00313491	0.44342745
12	1447.630931	8.87593823	3.16271592	8.52217306	9.21481555	0.08994027	8.43223278	1439.11476	344.32106	0	0	0	1.466	1437.64872	0.35376517	0.08464168	16.081881	1.34015675	0.0931263	0.00313783	0.44375365
13	1446.080952	8.87598643	3.16234333	8.52189183	9.21451155	0.08993731	8.43195452	1437.55906	343.94885	0	0	0	1.464	1436.09461	0.35409461	0.0847203	16.0968567	1.34140472	0.0931263	0.00314074	0.44408016
14	1444.52656	8.87603468	3.16197077	8.52161033	9.21420717	0.08993433	8.43167599	1436.00495	343.57701	0	0	0	1.463	1434.54208	0.35442435	0.08479919	16.1118467	1.3426539	0.0931263	0.00314367	0.44440698
15	1442.973754	8.87608298	3.16159823	8.52132856	9.2139025	0.08993136	8.4313972	1434.45243	343.20556	0	0	0	1.461	1432.99114	0.35475442	0.08487816	16.1268512	1.34390426	0.0931263	0.0031466	0.44473412
16	1441.422533	8.87613312	3.1612257																		

24	1357.034043	8.87891346	3.14039884	8.50481222	9.19604379	0.08975705	8.41505517	1348.52923	322.64767	0	0	0	1.374	1347.15547	0.37410124	0.08950706	17.006342	1.41719517	0.0931263	0.0033182	0.46390934
148	1	1355.570527	8.8789645	3.14002753	8.50451431	9.19572166	0.08975913	8.4147604	1347.06601	322.29758	0	0	1.372	1345.69374	0.3744502	0.08959056	17.022055	1.41851731	0.0931263	0.0033213	0.4642552
	1354.108504	8.8790156	3.13965624	8.50421611	9.19539923	0.08975076	8.41446534	1346.60429	321.94785	0	0	1.371	1344.23551	0.37479949	0.08957413	17.0380843	1.41940436	0.0931263	0.0033244	0.4646014	
	1352.647074	8.87906675	3.13924947	8.50391762	9.19507648	0.08974761	8.41417001	1344.14406	321.59848	0	0	1.369	1342.74745	0.37514913	0.08975778	17.0539783	1.42116486	0.0931263	0.0033275	0.46494793	
	1351.188935	8.87911794	3.13891373	8.50361884	9.19475342	0.08974446	8.41387438	1342.68532	321.24946	0	0	1.368	1341.31751	0.3754991	0.08984511	17.0698877	1.42249064	0.0931263	0.0033306	0.4652948	
5	1349.731384	8.87916918	3.1385425	8.50331978	9.19443005	0.0897413	8.41357848	1341.22806	320.90080	0	0	1.366	1339.86174	0.3758494	0.08992533	17.0858123	1.42381769	0.0931263	0.00333371	0.465642	
6	1348.275322	8.87922047	3.1381713	8.50302043	9.19410637	0.08973814	8.41328229	1339.7723	320.55249	0	0	1.365	1338.40746	0.37620005	0.09000922	17.1017523	1.42514602	0.0931263	0.00333682	0.46598953	
7	1346.820745	8.87927182	3.13780011	8.50272079	9.19378238	0.08973498	8.41298581	1338.31802	320.20455	0	0	1.363	1336.95467	0.37655103	0.09009372	17.1177076	1.42647563	0.0931263	0.00333993	0.4663374	
8	1345.367054	8.87932321	3.13742895	8.50242086	9.19345983	0.08973181	8.41268905	1336.85743	320.85623	0	0	1.362	1335.50386	0.37690235	0.09017725	17.1338782	1.42780652	0.0931263	0.00334305	0.4666856	
9	1343.916405	8.87937465	3.13707578	8.50212064	9.19313346	0.08972865	8.412392	1334.11902	320.50971	0	0	1.361	1334.05131	0.37721254	0.09026139	17.1498641	1.42913869	0.0931263	0.00334617	0.46703414	
10	1342.465018	8.87942613	3.13668668	8.50184261	9.19280853	0.08972547	8.41209466	1333.9641	319.16283	0	0	1.360	1332.60518	0.3775661	0.09034561	17.1656656	1.43042714	0.0931263	0.00334929	0.46738301	
11	1341.017271	8.87947767	3.13631558	8.50151934	9.19248823	0.0897223	8.41179704	1332.51575	318.81630	0	0	1.357	1331.15831	0.37795833	0.09042991	17.1816825	1.43180687	0.0931263	0.00335241	0.46773222	
12	1339.570103	8.87952926	3.1359445	8.50121826	9.19215773	0.08971912	8.41149913	1331.06888	318.47012	0	0	1.356	1329.71291	0.378311	0.09051429	17.1977147	1.43314289	0.0931263	0.00335554	0.46808176	
13	1338.124412	8.8795809	3.13557343	8.50091688	9.19183186	0.08971594	8.41120094	1329.62349	318.12430	0	0	1.354	1328.266	0.37866402	0.09059875	17.2137624	1.4344802	0.0931263	0.00335867	0.46843164	
14	1336.680196	8.87963258	3.13520229	8.50061521	9.19150567	0.08971276	8.41090246	1328.17958	317.77883	0	0	1.353	1326.82655	0.37901737	0.0906838	17.229825	1.43581879	0.0931263	0.00336181	0.46878186	
15	1335.237455	8.87968432	3.13483137	8.50031326	9.19117917	0.08970957	8.41060369	1326.73714	317.43372	0	0	1.352	1325.38553	0.37927106	0.09076792	17.245904	1.43715867	0.0931263	0.00336494	0.46913242	
16	1333.796186	8.8797361	3.13446037	8.50001101	9.19085236	0.08970638	8.41030463	1325.29617	317.08895	0	0	1.350	1323.94608	0.379527509	0.09085262	17.2619981	1.43849094	0.0931263	0.00336808	0.46948331	
17	1332.356388	8.87978794	3.13408939	8.49970847	9.19052523	0.08970319	8.41000528	1323.85668	316.74454	0	0	1.349	1322.50805	0.38007947	0.09093741	17.2781077	1.43982431	0.0931263	0.00337123	0.46983454	
18	1330.91806	8.87983982	3.13371843	8.49940545	9.19019779	0.08969999	8.40970565	1322.41865	316.40048	0	0	1.347	1321.07149	0.38043418	0.09102228	17.2942327	1.44118606	0.0931263	0.00337437	0.47018611	
19	1329.4812	8.87989176	3.13334749	8.49910252	9.18987003	0.08969679	8.40940572	1320.9821	316.05677	0	0	1.346	1319.6364	0.38078924	0.09110723	17.3103733	1.44253111	0.0931263	0.00337752	0.47053802	
20	1328.045807	8.87994374	3.13297357	8.49879991	9.18954196	0.08969359	8.40910551	1319.54701	315.71341	0	0	1.344	1318.20277	0.38114464	0.09119226	17.3263295	1.44387746	0.0931263	0.00338068	0.47089027	
21	1326.611879	8.87999578	3.13260567	8.49849454	9.18921357	0.08969039	8.40880501	1318.11338	315.37040	0	0	1.343	1316.77061	0.38150038	0.09127737	17.3427012	1.4452521	0.0931263	0.00338383	0.47124285	
22	1325.179414	8.88004786	3.13223479	8.4981914	9.18888486	0.08968718	8.40850422	1316.68122	315.02775	0	0	1.341	1315.33991	0.38185646	0.09136257	17.3588885	1.44657404	0.0931263	0.00338699	0.47159578	
23	1323.748412	8.8801	3.13186393	8.49778871	9.18855583	0.08968397	8.40820314	1315.25052	314.68544	0	0	1.340	1313.91067	0.38221289	0.09144785	17.3750913	1.44792428	0.0931263	0.00339015	0.47194904	
24	1322.31887	8.88015218	3.13149309	8.49758252	9.18822649	0.08968075	8.40790177	1313.82129	314.34348	0	0	1.338	1312.48289	0.38256066	0.09153321	17.3913098	1.44927582	0.0931263	0.00339332	0.47230265	
149	1320.890788	8.88020441	3.13112228	8.49727764	9.18789683	0.08967753	8.40760001	1312.33931	314.00187	0	0	1.337	1311.05656	0.38292677	0.09161865	17.4075439	1.45062866	0.0931263	0.00339648	0.47265659	
	1319.464163	8.88025607	3.1307548	8.49696561	9.18756861	0.08967431	8.40729815	1310.96719	313.66014	0	0	1.336	1309.631	0.38328473	0.09170418	17.4231931	1.45198281	0.0931263	0.00339964	0.4730108	
3	1318.03894	8.88030903	3.1303807	8.496667	9.18723656	0.08967109	8.40695991	1309.54233	313.31370	0	0	1.334	1308.20828	0.38359201	0.09178978	17.4400591	1.45333826	0.0931263	0.00340283	0.47336551	
4	1316.61528	8.88036142	3.13000994	8.49636123	9.18690595	0.08966786	8.40669337	1308.11892	312.97914	0	0	1.333	1306.78633	0.38400018	0.09187547	17.4563402	1.45469501	0.0931263	0.003406	0.473727048	
5	1315.19302	8.88041385	3.1296392	8.4960551	9.18657501	0.08966463	8.40639054	1306.69666	312.63892	0	0	1.331	1305.36582	0.38435867	0.09196125	17.4726369	1.45605308	0.0931263	0.00340918	0.47407579	
6	1313.772211	8.88046633	3.12926848	8.49574882	9.18624376	0.0896614	8.40608742	1305.27646	312.29906	0	0	1.330	1303.94677	0.38471751	0.09204771	17.4889494	1.45741245	0.0931263	0.00341237	0.47443145	
7	1312.352653	8.88051887	3.12889779	8.49544217	9.18591219	0.08965816	8.40578401	1303.85741	311.95954	0	0	1.328	1302.52916	0.38507669	0.09213304	17.5052776	1.45877513	0.0931263	0.00341555	0.47478744	
8	1310.934043	8.88057146	3.12852137	8.49513027	9.1855801	0.08965492	8.40548013	1302.43981	311.62036	0	0	1.327	1301.1135	0.38538473	0.09221828	17.5216125	1.46013818	0.0931263	0.00341873	0.47514179	
9	1309.518481	8.88062409	3.12815645	8.49482799	9.18524809	0.08965168	8.40517631	1301.02365	311.28153	0	0	1.325	1299.69829	0.3857961	0.09230516	17.5379812	1.46149843	0.0931263	0.00342193	0.47550047	
10	1308.103464	8.88067678	3.12778581	8.49452405	9.18491556	0.08964844	8.40487202	1299.60894	310.94305	0	0	1.324	1298.28502	0.38615632	0.09239135	17.5543566	1.46286305	0.0931263	0.00342513	0.4758575	
11	1306.689892	8.88072951	3.12741519	8.49421262	9.1845827	0.08964519	8.40456732	1298.19568	310.60472	0	0	1.322	1296.8732	0.38651689	0.09247762	17.5707479	1.46422899	0.0931263	0.00342833	0.47621487	
12	1305.277763	8.8807823	3.12704459	8.49390449	9.18424953	0.08964194	8.40426255	1296.78386	310.26192	0	0	1.321	1295.46281	0.38687781	0.09256397	17.5871549	1.46559624	0.0931263	0.00343153	0.47657259	
13	1303.867076	8.88083514	3.12667384	8.49359166	9.18391604	0.08963868	8.40395738	1295.37348	309.92968	0	0	1.320	1294.05387	0.38723905	0.09265061	17.6035798	1.46696866	0.0931263	0.00343473	0.47693065	
14	1302.457828	8.88088803	3.12630346	8.49328734	9.18358222	0.08963542	8.40365191	1293.96454	309.59258	0	0	1.318	1292.64637	0.38760069	0.09273693	17.6200015	1.4683347	0.0931263	0.00343794	0.47728905	
15	1301.05002	8.88094097	3.12593292	8.49297831	9.18324808	0.08963216	8.40334615	1292.50754	309.25582	0	0	1.317	1291.2403	0.38796265	0.09282353	17.636471	1.46970592	0.0931263	0.00344115	0.47764781	
16	1299.64348	8.88099396	3.1255624	8.49266899	9.18291362	0.0896289	8.4030401	1291.15098	308.91941	0	0	1.315	1289.83567	0.38832497	0.09291022	17.6529414	1.47107845	0.0931263	0.00344436	0.4780069	
17	1298.238712	8.881047	3.1251919	8.49235937	9.18257883	0.08962563	8.40273374	1289.74635	308.58334	0	0	1.314	1288.43248	0.38868763	0.09299699	17.6694277	1.47245231	0.0931263	0.00344758	0.47836365	
18	1296.835209	8.88110009	3.12482142	8.49204945	9.18224373	0.08962236	8.4024271	1288.34316	308.24764	0	0	1.312	1287.03071	0.38905064	0.09308384	17.6855299	1.47382749	0.0931263	0.00345058	0.47872614	
19	1295.435114	8.88115																			

2	1220.483669	8.88415611	3.1041054	8.47420741	9.16295157	0.08943406	8.38477335	1212.00946	289.98409	0	0	0	1.235	1210.77478	0.4099487	0.09808389	18.6359388	1.5529949	0.0931263	0.00363616	0.49943884
3	1219.15995	8.88421219	3.10375601	8.47387994	9.16259748	0.0894306	8.38444934	1210.68567	289.6676	0	0	0	1.232	1209.45233	0.41033225	0.09817566	18.6533748	1.5544479	0.0931263	0.00363956	0.49981899
4	1217.836783	8.88426843	3.10363663	8.47355215	9.16224305	0.08942714	8.38412501	1209.36323	289.30936	0	0	0	1.233	1208.13124	0.41071617	0.09826751	18.6702877	1.55590231	0.0931263	0.00364297	0.50019951
5	1216.515366	8.88412451	3.1029728	8.47322405	9.157524	0.0894268	8.38380026	1208.04214	289.03485	0	0	0	1.231	1206.8151	0.41110407	0.09835946	18.6882974	1.55735812	0.0931263	0.00364638	0.50058039
6	1215.195299	8.88438076	3.10262794	8.47289562	9.16153316	0.08942021	8.38345471	1206.7224	288.79192	0	0	0	1.229	1205.4931	0.41148514	0.0984515	18.7057841	1.55881534	0.0931263	0.00364979	0.50096165
7	1213.87658	8.88443705	3.10225863	8.47256688	9.1611777	0.08941675	8.38315013	1205.40401	288.40368	0	0	0	1.228	1204.17606	0.41187018	0.09854362	18.7232877	1.56027398	0.0931263	0.0036532	0.50134327
8	1212.559207	8.88449431	3.1018893	8.47232738	9.16082189	0.08941327	8.38282454	1204.08697	288.08857	0	0	0	1.227	1202.86035	0.41225559	0.09863583	18.7408083	1.56173402	0.0931263	0.00365662	0.50172527
9	1211.243179	8.88454981	3.10152005	8.47190844	9.16046574	0.08940908	8.38249864	1202.77127	287.77377	0	0	0	1.225	1201.546	0.41264137	0.09872814	18.7583458	1.56319548	0.0931263	0.00366004	0.50210763
10	1209.82495	8.88460627	3.10110778	8.47157874	9.16010924	0.08940463	8.38217242	1201.46592	287.45930	0	0	0	1.224	1200.22988	0.41302773	0.09882053	18.7758003	1.56468368	0.0931263	0.00366347	0.50249307
11	1208.615154	8.88447919	3.10079728	8.47124405	9.1597524	0.08940031	8.38184588	1200.14391	287.14515	0	0	0	1.221	1198.92131	0.41341407	0.09891301	18.7934711	1.56612238	0.0931263	0.0036669	0.50287747
12	1207.303153	8.88471935	3.10041232	8.47091838	9.15939522	0.08939395	8.38151903	1198.83224	286.83132	0	0	0	1.221	1197.61097	0.41380098	0.09900558	18.8110603	1.56758386	0.0931263	0.00367033	0.50325295
13	1205.992493	8.88477598	3.10004311	8.47058772	9.15903768	0.08939586	8.38119186	1197.5219	286.51782	0	0	0	1.220	1196.30198	0.41418826	0.09909824	18.8286659	1.56905549	0.0931263	0.00367377	0.50364079
14	1204.68317	8.88483265	3.09967392	8.47025674	9.1586798	0.08939237	8.38086437	1196.21291	286.20463	0	0	0	1.219	1194.99432	0.41457592	0.09919099	18.8462885	1.57052404	0.0931263	0.0036772	0.50402501
15	1203.375185	8.88488399	3.09930475	8.46992544	9.15832157	0.08938887	8.38053657	1194.90526	285.89176	0	0	0	1.217	1193.688	0.41496395	0.09928283	18.8639281	1.57199401	0.0931263	0.00368065	0.50440096
16	1202.06855	8.88494617	3.09893559	8.46959382	9.157963	0.08938537	8.38020845	1193.59894	285.57921	0	0	0	1.216	1192.3803	0.41535236	0.09937676	18.8815840	1.57346541	0.0931263	0.00368409	0.50479457
17	1200.76322	8.88503032	3.09856466	8.46926187	9.15760408	0.08938187	8.37988001	1192.29396	285.26698	0	0	0	1.215	1191.07938	0.41574114	0.09946978	18.8992588	1.57493923	0.0931263	0.00368754	0.5051779
18	1199.459237	8.88505991	3.09819734	8.46892961	9.15724481	0.08937836	8.37955125	1190.99031	284.95507	0	0	0	1.213	1189.77703	0.4161303	0.09956289	18.9169498	1.57641248	0.0931263	0.00369099	0.50556561
19	1198.156586	8.88511686	3.09782824	8.46859702	9.15688519	0.08937485	8.37922217	1189.68799	284.63438	0	0	0	1.212	1188.47604	0.41651984	0.09965609	18.9346579	1.57788816	0.0931263	0.00369445	0.50595517
20	1196.855265	8.88517387	3.09745916	8.46826411	9.15652522	0.08937134	8.37889277	1188.387	284.32221	0	0	0	1.211	1187.17638	0.41690976	0.09974939	18.9523832	1.57936527	0.0931263	0.0036979	0.50633816
21	1195.555273	8.88523093	3.0970901	8.46793088	9.1561649	0.08936782	8.37856306	1187.08734	284.02125	0	0	0	1.209	1185.87805	0.41730005	0.09984277	18.9701256	1.5808438	0.0931263	0.00370137	0.50672499
22	1194.256609	8.88523805	3.09672106	8.46759732	9.15580424	0.0893643	8.37823302	1185.79901	283.71062	0	0	0	1.208	1184.58104	0.41769073	0.09993624	18.9878851	1.58232378	0.0931263	0.00370483	0.5071122
23	1192.95927	8.88534522	3.09635203	8.46726544	9.15544322	0.08936077	8.37790267	1184.49201	283.40030	0	0	0	1.207	1183.28535	0.41808178	0.1000298	18.9956622	1.58380518	0.0931263	0.00370783	0.50749978
24	1191.662357	8.88540245	3.09598582	8.46692924	9.15508185	0.08935725	8.37757199	1183.19633	283.09029	0	0	0	1.205	1181.99099	0.41847321	0.10012345	19.0234563	1.58528802	0.0931263	0.00371177	0.50788774
25	1190.368566	8.88545973	3.09561403	8.46659471	9.15472014	0.08935372	8.37724099	1181.90197	282.78061	0	0	0	1.204	1180.69796	0.41886502	0.10021272	19.0412676	1.5867723	0.0931263	0.00371525	0.50827607
26	1189.075198	8.88551706	3.09524506	8.46625986	9.15435807	0.08935018	8.37690967	1180.60894	282.47124	0	0	0	1.203	1179.40624	0.41925721	0.10031103	19.0590963	1.58825802	0.0931263	0.00371873	0.50866478
27	1187.783151	8.88557446	3.0948761	8.46592468	9.15399655	0.08934665	8.37657803	1179.31723	282.16218	0	0	0	1.201	1178.11585	0.41964978	0.10040496	19.0768421	1.58974518	0.0931263	0.00372221	0.50905387
28	1186.492323	8.88558913	3.09450716	8.46558911	9.15363288	0.08934311	8.37624607	1178.02863	281.85345	0	0	0	1.201	1177.80345	0.42004273	0.10049815	19.0948051	1.59123378	0.0931263	0.00372569	0.50944617
29	1185.203013	8.88568941	3.09418725	8.46525335	9.15326976	0.08933955	8.37591379	1176.73776	281.54502	0	0	0	1.199	1176.53901	0.42043606	0.10059308	19.1126859	1.59272382	0.0931263	0.00372918	0.50983818
30	1183.91492	8.88574696	3.09376934	8.46491719	9.15290628	0.08933601	8.37558118	1175.45	281.23692	0	0	0	1.197	1174.25256	0.42082977	0.10068728	19.1305837	1.59421531	0.0931263	0.00373267	0.5102234
31	1182.628143	8.88580458	3.09340046	8.46458071	9.15254245	0.08933246	8.37524825	1174.16356	280.92912	0	0	0	1.196	1172.96743	0.42122387	0.10078157	19.1484989	1.59570824	0.0931263	0.00373617	0.5106164
32	1181.342679	8.88586225	3.0929159	8.46424391	9.15217872	0.08932891	8.374915	1172.87844	280.62165	0	0	0	1.195	1171.68361	0.42161834	0.10087596	19.1664315	1.59720263	0.0931263	0.00373967	0.51100497
33	1180.058528	8.88591997	3.09266275	8.46390677	9.15181374	0.08932535	8.37458142	1171.59462	280.31448	0	0	0	1.194	1170.40111	0.4220132	0.10097043	19.1848485	1.59869846	0.0931263	0.00374317	0.51139633
34	1178.754689	8.88597737	3.09239149	8.46357159	9.15144885	0.08932179	8.37424752	1170.31212	280.00763	0	0	0	1.192	1169.11991	0.42240806	0.10106409	19.2034489	1.59993574	0.0931263	0.00374669	0.51178807
35	1177.494159	8.88603559	3.09191251	8.46323152	9.15108361	0.08931822	8.3739133	1169.03093	279.70109	0	0	0	1.191	1167.84003	0.42280407	0.10115965	19.2203337	1.60169447	0.0931263	0.00375019	0.51218018
36	1176.213938	8.88609348	3.09155631	8.46289341	9.15071801	0.08931465	8.37357875	1167.75105	279.39487	0	0	0	1.190	1166.56145	0.42320008	0.1012544	19.238336	1.60319466	0.0931263	0.00375357	0.51257268
37	1174.935025	8.88615143	3.09118753	8.46255406	9.15035206	0.08931108	8.37324388	1166.47472	279.08896	0	0	0	1.188	1165.28417	0.42359647	0.10134924	19.2563557	1.60469631	0.0931263	0.00375721	0.51296556
38	1173.657418	8.88620943	3.09081877	8.46221619	9.14998875	0.08930751	8.37290868	1165.1952	278.78336	0	0	0	1.187	1164.00821	0.42399325	0.10144417	19.2743929	1.60619941	0.0931263	0.00376073	0.51335882
39	1172.381115	8.88626743	3.09045199	8.46187708	9.14962315	0.08930399	8.37257415	1163.90924	278.47808	0	0	0	1.186	1162.73788	0.42439041	0.10153982	19.2924787	1.60770366	0.0931263	0.00376426	0.51375346
40	1171.106116	8.88632561	3.09000613	8.46153765	9.14925702	0.08930035	8.3722373	1162.64548	278.17310	0	0	0	1.184	1161.46018	0.42478796	0.10163431	19.3105198	1.60920998	0.0931263	0.00376778	0.51414648
41	1169.832419	8.88638378	3.0897126	8.46119789	9.14888469	0.08929676	8.37190113	1161.37122	277.86844	0	0	0	1.183	1160.18812	0.42518589	0.10172952	19.3286096	1.61071746	0.0931263	0.00377131	0.51454088
42	1168.560023	8.88644201	3.08934391	8.4608578	9.14851696	0.08929317	8.37156463	1160.09917	277.56409	0	0	0	1.182	1158.91736	0.42558421	0.10182483	19.3467169	1.61222641	0.0931263	0.00377485	0.51493564
43	1167.288926	8.8865003	3.08897524	8.46051738	9.14814887	0.08928958	8.3712278	1158.82841	277.26005	0	0	0	1.181	1157.6479	0.42598292	0.10192022	19.3648417	1.61373681	0.0931263	0.00377838	0.51533084
44																					

4	1096.942066	8.88991372	3.06798907	8.44055589	9.126565	0.08907891	8.35147698	1088.50151	260.43371	0	0	0	1.109	1087.39264	0.44936143	0.10751374	20.4276101	1.70230084	0.0931263	0.00398574	0.53850199
5	1095.744121	8.89987896	3.06762137	8.44019571	9.12617555	0.08907511	8.35112059	1087.30393	260.18678	0	0	0	1.108	1086.19628	0.44978326	0.10761466	20.4467861	1.70389884	0.0931263	0.00398949	0.53892007
6	1094.547399	8.89004067	3.06507369	8.43993517	9.12578571	0.08907131	8.35076386	1086.10756	259.84004	0	0	0	1.106	1085.00114	0.45020295	0.10771569	20.4659808	1.70549884	0.0931263	0.00399323	0.54185812
7	1093.3519	8.89010243	3.06468602	8.43947428	9.12530549	0.08906755	8.35040679	1084.91243	259.57409	0	0	0	1.105	1083.80272	0.45062815	0.10781681	20.4851941	1.70709951	0.0931263	0.00399698	0.53975747
8	1092.157623	8.89016426	3.06538537	8.43911305	9.12500489	0.08906368	8.35040936	1083.71851	259.28934	0	0	0	1.104	1082.61452	0.45105121	0.10791803	20.5044263	1.70870219	0.0931263	0.00400073	0.54017678
9	1090.964565	8.89022614	3.06615074	8.43875145	9.12461391	0.08905987	8.34969159	1082.52581	259.00397	0	0	0	1.103	1081.42303	0.45147469	0.10801935	20.5236771	1.71030643	0.0931263	0.00400405	0.5405965
10	1089.772726	8.89028809	3.0678312	8.43838951	9.12422255	0.08905605	8.34933346	1081.33434	258.71890	0	0	0	1.102	1080.23277	0.45189858	0.10812077	20.5429467	1.71191223	0.0931263	0.00400825	0.54101663
11	1088.582105	8.89035009	3.06451552	8.43802721	9.12383081	0.08905222	8.34897499	1080.14408	258.43412	0	0	0	1.100	1079.04373	0.45232288	0.10822229	20.5622352	1.7135196	0.0931263	0.00401201	0.54143717
12	1087.3927	8.89041265	3.06504793	8.43766456	9.12343868	0.08904788	8.34861616	1079.95504	258.14963	0	0	0	1.099	1078.25589	0.45274759	0.10832391	20.5815244	1.71512853	0.0931263	0.00401578	0.54185812
13	1086.20651	8.89047428	3.06464618	8.43730548	9.12304618	0.08904457	8.34825699	1079.76721	257.86543	0	0	0	1.098	1077.46317	0.45312772	0.10842562	20.600864	1.71779903	0.0931263	0.00401951	0.54227947
14	1085.01735	8.89053647	3.0643128	8.4369382	9.12265328	0.08904073	8.34789747	1079.5806	257.58153	0	0	0	1.097	1076.58473	0.45359927	0.10852744	20.6202133	1.71835111	0.0931263	0.00402332	0.54270124
15	1083.831771	8.89059871	3.06394526	8.43657449	9.12226601	0.08903689	8.34753759	1079.3952	257.29791	0	0	0	1.096	1074.29968	0.45402423	0.10862935	20.639577	1.71996475	0.0931263	0.0040271	0.54312342
16	1082.64722	8.89066102	3.06357774	8.43621042	9.12186635	0.08903305	8.34717737	1079.21101	257.01458	0	0	0	1.094	1073.1167	0.4544506	0.10873137	20.6589956	1.72157997	0.0931263	0.00403088	0.54354602
17	1081.463878	8.89072338	3.06321023	8.43584599	9.12147231	0.08902921	8.34681679	1079.02803	256.73154	0	0	0	1.093	1071.93493	0.45487739	0.10883348	20.6783612	1.72319676	0.0931263	0.00403467	0.54396902
18	1080.281745	8.89078581	3.06286274	8.43548121	9.12107788	0.08902536	8.34645586	1078.84626	256.44880	0	0	0	1.092	1070.75496	0.45530846	0.10893586	20.6977816	1.72481513	0.0931263	0.00403846	0.54439244
19	1079.10082	8.8908483	3.06247526	8.43511608	9.12069837	0.0890215	8.34609458	1078.6557	256.16534	0	0	0	1.091	1069.57501	0.45573222	0.10903801	20.7171221	1.72643508	0.0931263	0.00404225	0.54481627
20	1077.921102	8.89091084	3.0621078	8.43475059	9.12028787	0.08901764	8.34573294	1078.46835	255.88247	0	0	0	1.089	1068.39686	0.45616026	0.10914042	20.7367993	1.72805661	0.0931263	0.00404605	0.54524051
21	1076.742589	8.89097345	3.06174036	8.43438474	9.11989229	0.08901378	8.34537095	1068.3082	255.60211	0	0	0	1.088	1067.21991	0.45658872	0.10924293	20.7561567	1.72967972	0.0931263	0.00404985	0.54566517
22	1075.56528	8.89103612	3.06137293	8.43401853	9.11949632	0.08900992	8.34500861	1067.13126	255.32069	0	0	0	1.087	1066.04416	0.45701759	0.10934554	20.775653	1.73130442	0.0931263	0.00405365	0.54609024
23	1074.389173	8.89109885	3.06100551	8.43365197	9.11910996	0.08900605	8.34464592	1065.95552	255.03938	0	0	0	1.086	1064.86962	0.45744688	0.10944825	20.7951683	1.73293907	0.0931263	0.00405746	0.54651573
24	1073.214059	8.89116164	3.06068381	8.43328504	9.11870322	0.08900218	8.34428287	1064.78098	254.75836	0	0	0	1.085	1063.69628	0.4578766	0.10955107	20.8147027	1.73458556	0.0931263	0.00406127	0.54694163
1	1072.040564	8.89122449	3.06027073	8.43291776	9.11830609	0.08899983	8.34391946	1063.60765	254.47763	0	0	0	1.084	1062.52414	0.45830673	0.10965398	20.8342562	1.73618802	0.0931263	0.00406509	0.54736794
2	1070.868059	8.89128741	3.05990336	8.43255012	9.11790857	0.08899442	8.3435557	1062.43551	254.19719	0	0	0	1.082	1061.3532	0.45873728	0.10975699	20.8538287	1.73781906	0.0931263	0.00406891	0.54779468
3	1069.696752	8.89135038	3.05953601	8.43218213	9.11751066	0.08899054	8.34319159	1061.26457	253.91703	0	0	0	1.081	1060.18345	0.45916825	0.10986011	20.8734204	1.7394517	0.0931263	0.00407273	0.54822183
4	1068.526642	8.89141341	3.05916868	8.43181377	9.11711236	0.08898665	8.34282712	1060.09483	253.63716	0	0	0	1.080	1059.0149	0.45959965	0.10996332	20.8930311	1.74108993	0.0931263	0.00407656	0.54864939
5	1067.357727	8.89147651	3.05880135	8.43145405	9.11671368	0.08898276	8.34246229	1058.92628	253.35757	0	0	0	1.079	1057.84754	0.46003146	0.11006664	20.912661	1.74272175	0.0931263	0.00408039	0.54907738
6	1066.190606	8.89153967	3.05843495	8.43109473	9.11631346	0.08897886	8.34209718	1057.75893	253.07828	0	0	0	1.078	1056.68106	0.46046369	0.11017093	20.9321101	1.74439513	0.0931263	0.00408422	0.54950578
7	1065.023479	8.89160289	3.05806676	8.43070653	9.11591514	0.08897496	8.34173157	1056.59277	252.79926	0	0	0	1.076	1055.51451	0.46089635	0.11027357	20.9519783	1.74599819	0.0931263	0.00408809	0.5499346
8	1063.858143	8.89166617	3.05769948	8.43033673	9.11551528	0.08897106	8.34136567	1055.42781	252.52033	0	0	0	1.075	1054.35263	0.46132943	0.11037719	20.9716658	1.74763881	0.0931263	0.0040919	0.55036383
9	1062.69398	8.89172951	3.05733223	8.42996657	9.11511504	0.08896716	8.34099942	1054.26403	252.24209	0	0	0	1.074	1053.19004	0.46176293	0.11048091	20.9913724	1.74928104	0.0931263	0.00409574	0.55079349
10	1061.531042	8.89179291	3.05696498	8.42959505	9.1147144	0.08896325	8.34063281	1053.10145	251.96393	0	0	0	1.073	1052.02864	0.46219686	0.11058473	20.1010983	1.75092486	0.0931263	0.00409959	0.55123257
11	1060.369275	8.89185637	3.05659773	8.42922517	9.11431337	0.08895933	8.34026583	1051.94005	251.68606	0	0	0	1.072	1050.86884	0.46263121	0.11068865	20.1008485	1.75257029	0.0931263	0.00410344	0.55165406
12	1059.208095	8.89191985	3.05623156	8.42885541	9.11391895	0.08895541	8.33989154	1050.7798	251.40847	0	0	0	1.070	1049.70594	0.46306389	0.11079291	20.1005951	1.75421238	0.0931263	0.0041073	0.55208498
13	1058.0493	8.89198349	3.05586334	8.42848231	9.11351014	0.08895149	8.33953082	1049.62082	251.13116	0	0	0	1.069	1048.55156	0.46350118	0.1108968	20.1070917	1.75586598	0.0931263	0.00411116	0.55251632
14	1056.89109	8.89204714	3.05549616	8.42811033	9.11310793	0.08894757	8.33916277	1048.46298	250.85414	0	0	0	1.068	1047.3949	0.4639368	0.11100103	20.10901948	1.75751623	0.0931263	0.00411503	0.55294808
15	1055.734064	8.89211085	3.05512899	8.4277738	9.11270533	0.08894364	8.33879436	1047.30633	250.57740	0	0	0	1.067	1046.23943	0.46437285	0.11110535	20.1110072	1.7591161	0.0931263	0.00411889	0.55338026
16	1054.57822	8.89217462	3.05480784	8.42736529	9.11230234	0.0889397	8.33842559	1046.15085	250.30094	0	0	0	1.066	1045.08513	0.46480933	0.11120978	20.128959	1.76082158	0.0931263	0.00412276	0.55381286
17	1053.42357	8.89223277	3.05454947	8.42695923	9.11190895	0.08893577	8.33805646	1045.0956	250.02417	0	0	0	1.065	1043.93222	0.46524637	0.11131462	20.1470261	1.76249658	0.0931263	0.00412664	0.55425489
18	1052.27073	8.89230235	3.05420758	8.4266188	9.11150517	0.08893182	8.33768697	1044.04345	249.74887	0	0	0	1.063	1042.78008	0.46568355	0.11141895	20.1696007	1.7641339	0.0931263	0.00413052	0.55467934
19	1051.117769	8.89236631	3.05366047	8.4262645	9.11109099	0.08892788	8.33731712	1042.69152	249.47326	0	0	0	1.062	1041.62932	0.46612131	0.11152369	20.1895007	1.76579173	0.0931263	0.00413434	0.55511321
20	1049.966642	8.89243033	3.05329338	8.42587084	9.11068642	0.08892393	8.33694691	1041.54077	249.19794	0	0	0	1.061	1040.47974	0.46655949	0.11162853	20.2094202	1.76745188	0.0931263	0.00413829	0.55554751
21	1048.81669	8.89249441	3.05292963	8.42549631	9.11028145	0.08891998	8.33657633	1040.39119	248.92289	0	0	0	1.060	1039.33134	0.4669981	0.11173847	20.2293951	1.76911326	0.0931263	0.00414218	0.55598223
22	1047.667915	8.89255856	3.05255																		

6	985.1755019	8.89625209	3.03202689	8.40353048	0.08653035	0.08868816	8.31484233	976.771971	233.70142	0	0	0	0.995	975.776925	0.49272161	0.11788805	22.3987291	1.86656076	0.0031263	0.00437034	0.58147757
7	984.0917672	8.8963199	3.03166064	8.40313405	0.0861107	0.08868397	8.31445008	975.688633	233.42222	0	0	0	0.994	974.69469	0.49318584	0.11799912	22.4198328	1.8683194	0.0031263	0.00437446	0.58193769
8	983.0091403	8.89638777	3.03129624	8.40273723	0.08564726	0.08867979	8.31405475	974.606403	233.18329	0	0	0	0.993	973.613563	0.49365053	0.11811103	22.4005972	1.87007977	0.0031263	0.00437858	0.58239826
9	981.927021	8.8964557	3.03092818	8.40240402	0.08524311	0.08867559	8.31366443	973.53528	232.92462	0	0	0	0.992	972.533541	0.49411568	0.11822159	22.4621023	1.87184186	0.0031263	0.00438271	0.58285928
10	980.8472054	8.89652371	3.03056197	8.40194242	0.08481322	0.0886714	8.31321703	972.445263	232.66622	0	0	0	0.991	971.454624	0.49458128	0.11833299	22.4832682	1.87360569	0.0031263	0.00438684	0.58332075
11	979.7678951	8.89659177	3.03019577	8.40154454	0.08438288	0.0886672	8.31287724	971.366351	232.40808	0	0	0	0.990	970.736811	0.49504734	0.1184445	22.5045459	1.87537124	0.0031263	0.00439097	0.58378267
12	978.6896881	8.89665991	3.02982959	8.40114605	0.08395212	0.08866299	8.31248306	970.288542	232.15020	0	0	0	0.988	969.3001	0.49551386	0.11855612	22.5256624	1.87713854	0.0031263	0.00439511	0.58425055
13	977.6125833	8.89672811	3.02946342	8.40074728	0.08352093	0.08865878	8.31208849	969.211836	231.89259	0	0	0	0.987	968.224491	0.49598083	0.11866785	22.5468907	1.87890756	0.0031263	0.00439925	0.58470789
14	975.365796	8.89678638	3.02909726	8.40034811	0.08308932	0.08865457	8.31169354	968.13231	231.63524	0	0	0	0.986	967.140982	0.49644848	0.11877968	22.5681399	1.88067833	0.0031263	0.00440341	0.58517117
15	975.4616758	8.89684511	3.02871111	8.39994855	0.08265729	0.08865036	8.31129862	967.061727	231.37816	0	0	0	0.985	966.071351	0.49691616	0.11889163	22.5894099	1.88245491	0.0031263	0.00440754	0.58563928
16	974.3787408	8.89693111	3.02836498	8.3995486	0.08222483	0.08864613	8.31090247	965.988322	231.12134	0	0	0	0.984	965.004261	0.49738451	0.11900369	22.6107009	1.88422507	0.0031263	0.0044117	0.58609911
17	973.3151636	8.89700158	3.02799887	8.39914826	0.08179195	0.08864191	8.31050635	964.916015	230.86478	0	0	0	0.983	963.933047	0.49785332	0.11911586	22.6320127	1.88600106	0.0031263	0.00441586	0.58656377
18	972.2435529	8.89707012	3.02763276	8.39874752	0.08135864	0.08863768	8.31010984	963.844805	230.60848	0	0	0	0.982	962.862928	0.4983226	0.11922813	22.6533455	1.88777879	0.0031263	0.00442002	0.58702888
19	971.1730377	8.89713872	3.02726667	8.39834639	0.08092491	0.08863345	8.30971294	962.774691	230.35245	0	0	0	0.981	961.793904	0.49879233	0.11934052	22.6746992	1.88955827	0.0031263	0.00442419	0.58749445
20	970.1036109	8.89720732	3.02690495	8.39794466	0.08050075	0.08862921	8.30931565	961.705572	230.09667	0	0	0	0.980	960.725974	0.49926253	0.11945082	22.6960739	1.89133949	0.0031263	0.00442836	0.58796947
21	969.0352993	8.89727612	3.02653453	8.39754294	0.08005616	0.08862497	8.30891797	960.637746	229.84116	0	0	0	0.979	959.659136	0.49973718	0.11956563	22.7174696	1.89312247	0.0031263	0.00443253	0.58842695
22	967.9680539	8.89734493	3.02616847	8.39714062	0.07962114	0.08862072	8.30851199	959.570913	229.58591	0	0	0	0.978	958.59339	0.5002043	0.11967835	22.7388863	1.8949072	0.0031263	0.00443671	0.5888939
23	966.9019095	8.8974138	3.02580244	8.39673791	0.0791857	0.08861647	8.30812144	958.505172	229.33093	0	0	0	0.976	957.528734	0.50067589	0.11979118	22.7603241	1.89669368	0.0031263	0.00444089	0.5893613
24	965.8368551	8.89748273	3.02543641	8.3963348	0.07874983	0.08861222	8.30772258	957.44005	229.07620	0	0	0	0.975	956.465167	0.50114793	0.11990412	22.781783	1.89848192	0.0031263	0.00444508	0.58982916
1	964.7728895	8.89755174	3.02507004	8.39593129	0.07831353	0.08860796	8.30732333	956.376958	228.82173	0	0	0	0.974	955.402688	0.50162044	0.12001717	22.8032629	1.90020791	0.0031263	0.00444927	0.59029747
2	963.7100116	8.89762081	3.02470404	8.39552739	0.07787868	0.08860337	8.30692639	955.314484	228.56753	0	0	0	0.973	954.341297	0.50209342	0.12013004	22.824764	1.90206366	0.0031263	0.00445347	0.59076625
3	962.6482203	8.89768995	3.02433841	8.39512309	0.07743964	0.08859943	8.30652366	954.253097	228.31358	0	0	0	0.972	953.280991	0.50256686	0.12024361	22.8462862	1.90385718	0.0031263	0.00445767	0.59123549
4	961.5875145	8.89775916	3.02397244	8.39471839	0.07700205	0.08859516	8.30612323	953.192796	228.05989	0	0	0	0.971	952.22177	0.50304076	0.120357	22.8678295	1.90565246	0.0031263	0.00446187	0.5917052
5	960.5278931	8.89782843	3.02360647	8.3943133	0.07656403	0.08859088	8.30572241	952.13358	227.80647	0	0	0	0.970	951.163633	0.50351514	0.1204705	22.8893941	1.9074495	0.0031263	0.00446608	0.59217536
6	959.4693551	8.89789777	3.02324053	8.3939078	0.07612557	0.0885866	8.3053212	951.075447	227.55330	0	0	0	0.969	950.106578	0.50398997	0.1205841	22.9107998	1.90924832	0.0031263	0.00447029	0.59264599
7	958.418992	8.89796718	3.02287459	8.39350191	0.07568669	0.08858322	8.30491599	950.018397	227.30035	0	0	0	0.968	949.050605	0.50446528	0.12069782	22.9325867	1.9110489	0.0031263	0.0044745	0.59311707
8	957.3553245	8.89803656	3.02250677	8.39309578	0.07524758	0.08857909	8.30451758	948.962421	227.04774	0	0	0	0.967	947.991271	0.50494152	0.12081157	22.9542125	1.91285126	0.0031263	0.00447871	0.59358853
9	956.3002298	8.89810621	3.02214276	8.39268802	0.07480763	0.08857374	8.30411518	947.907541	226.79339	0	0	0	0.966	946.941899	0.50541729	0.1209255	22.975864	1.91465537	0.0031263	0.00448295	0.59406064
10	955.2460139	8.89817582	3.02177686	8.39228182	0.07436745	0.08856944	8.30371238	946.853732	226.54322	0	0	0	0.965	945.889164	0.505894	0.12103966	22.9975352	1.91646127	0.0031263	0.00448718	0.59453312
11	954.192876	8.8982455	3.02141097	8.39187433	0.07392683	0.08856514	8.30330919	945.801002	226.29134	0	0	0	0.964	944.837506	0.50637117	0.12115383	0.12019273	1.91826894	0.0031263	0.00449141	0.59500607
12	953.1408147	8.89831525	3.0210451	8.39146643	0.07348578	0.08856084	8.30290550	944.749348	226.03972	0	0	0	0.962	943.786923	0.50684882	0.12126811	0.12040907	1.92007839	0.0031263	0.00449565	0.59547948
13	952.0898291	8.89838507	3.02067924	8.39105813	0.07304443	0.08855653	8.3025016	943.689771	225.78836	0	0	0	0.961	942.737416	0.50732694	0.1213825	0.12062675	1.92188963	0.0031263	0.00449989	0.59595335
14	951.039181	8.89845458	3.02030134	8.39065018	0.07260318	0.08855222	8.30209728	942.640828	225.53726	0	0	0	0.960	941.688985	0.50780492	0.12149718	0.12084421	1.92370356	0.0031263	0.00450411	0.59642769
15	949.9910803	8.89852491	3.01994756	8.39024033	0.07216003	0.0885479	8.30169243	941.60084	225.28641	0	0	0	0.959	940.641623	0.50828458	0.12161163	0.12106209	1.9255174	0.0031263	0.00450838	0.5969025
16	948.9433151	8.89859493	3.01958174	8.38983082	0.07171724	0.08854358	8.30128725	940.553484	225.03582	0	0	0	0.958	939.595334	0.50876411	0.12172636	0.12128083	1.92733403	0.0031263	0.00451263	0.59737778
17	947.8962211	8.89866503	3.01921593	8.38942091	0.07127401	0.08853925	8.30088166	939.5072	224.78549	0	0	0	0.957	938.550116	0.50924411	0.1218412	0.12149828	1.92915124	0.0031263	0.00451689	0.59785352
18	946.8509972	8.89873519	3.01885013	8.3890106	0.07083035	0.08853492	8.30047568	938.461987	224.53542	0	0	0	0.956	937.505967	0.50972459	0.12195616	0.121716707	1.93097256	0.0031263	0.00452115	0.59832973
19	945.8064255	8.89880539	3.01848598	8.38859958	0.07038625	0.08853058	8.30006818	937.417843	224.28559	0	0	0	0.955	936.462887	0.51020493	0.12207493	0.12193542	1.93279451	0.0031263	0.00452541	0.59880842
20	944.7629558	8.89887571	3.01811858	8.38818876	0.06994172	0.08852625	8.29966251	936.374767	224.03603	0	0	0	0.954	935.420874	0.51068695	0.12218642	0.122154191	1.93461826	0.0031263	0.00452969	0.59928357
21	943.720536	8.89894608	3.01775282	8.38777723	0.06949674	0.0885219	8.29925533	935.332755	223.78672	0	0	0	0.953	934.379927	0.51116885	0.12230171	0.122373256	1.9364438	0.0031263	0.00453396	0.59976118
22	942.6791821	8.89901651	3.01738707	8.3873653	0.06905133	0.08851756	8.29884774	934.291817	223.53766	0	0	0	0.952	933.340045	0.51165122	0.12241712	0.122502537	1.93827114	0.0031263	0.00453824	0.60023927
23	941.638893	8.89908702	3.01702134	8.38695296	0.06860548	0.0885132	8.29843975	933.25194	223.28887	0	0	0	0.951	932.301228	0.51213406	0.12252865	0.122612034	1.94010028	0.0031263	0.00454252	0.60071783
24	940.5996675	8.89915759	3.0166556																		

	8	884.0678276	8.90322203	2.99619394	8.36276412	9.04245068	0.08825792	8.2745062	875.705063	209.52026	0	0	0	0.892	874.812975	0.54045791	0.12930938	24.568783	2.04739859	0.0031263	0.00479375	0.62879046
	9	883.0874809	8.90329666	2.99582887	8.36323747	9.04197855	0.08825331	8.27407416	874.725153	209.28581	0	0	0	0.891	873.834063	0.54096919	0.12943171	24.5920252	2.0493533	0.0031263	0.00479829	0.62929272
	10	882.1081371	8.90371736	2.99546381	8.36189039	9.04159594	0.0882487	8.27354169	873.746247	209.05160	0	0	0	0.890	872.856153	0.54148897	0.12955416	24.6152903	2.05127419	0.0031263	0.00480283	0.62980444
	11	881.1297951	8.90346613	2.99509877	8.36145288	9.04103287	0.08824408	8.2722008	872.768342	208.81762	0	0	0	0.889	871.879245	0.54199325	0.12967673	24.6385785	2.05321487	0.0031263	0.00480737	0.63031219
	12	880.152454	8.90352098	2.99473373	8.36101493	9.04055933	0.08823946	8.27275747	871.791439	208.58389	0	0	0	0.888	870.903337	0.54250605	0.12979942	24.6618897	2.05515747	0.0031263	0.00481192	0.63082043
	13	879.1761126	8.9035959	2.99436871	8.36057655	9.04008532	0.08823484	8.27234172	870.815536	208.35040	0	0	0	0.887	869.928428	0.54301935	0.12992223	24.685224	2.057102	0.0031263	0.00481647	0.63132918
	14	878.20077	8.9036709	2.99400369	8.36013774	9.03961084	0.0882302	8.27190375	869.840632	208.11714	0	0	0	0.886	868.954518	0.54353316	0.13004516	24.7085813	2.05904485	0.0031263	0.00482105	0.63183843
	15	877.226452	8.90374597	2.99363869	8.35969849	9.03913589	0.08822557	8.27147292	868.866727	207.88413	0	0	0	0.885	867.981604	0.54404748	0.13016822	24.7319618	2.06099682	0.0031263	0.00482519	0.63234819
	16	876.2530772	8.90382111	2.99327369	8.3592858	9.03866047	0.08822093	8.27103787	867.893818	207.65135	0	0	0	0.884	867.098967	0.54456231	0.1302914	24.7553655	2.06294712	0.0031263	0.00483016	0.63285845
	17	875.2807249	8.90389616	2.99290871	8.35888168	9.03818458	0.08821628	8.27060124	866.921907	207.41881	0	0	0	0.883	866.203764	0.54507764	0.13041847	24.7787921	2.06489936	0.0031263	0.00483471	0.63336922
	18	874.309673	8.90397161	2.99254374	8.35838713	9.03770821	0.08821163	8.27016649	865.950989	207.18651	0	0	0	0.882	865.068873	0.54559349	0.13053812	24.8002423	2.06685352	0.0031263	0.0048393	0.63388049
	19	873.3390035	8.90404698	2.99218777	8.35793713	9.03723138	0.08820698	8.26973015	864.981066	206.95445	0	0	0	0.881	864.099902	0.54610985	0.13066166	24.8257155	2.06880692	0.0031263	0.00484388	0.63439227
	20	872.3696324	8.90412242	2.99181382	8.3574957	9.03675407	0.08820232	8.26929338	864.012137	206.72262	0	0	0	0.880	863.13196	0.54662672	0.13078533	24.8492119	2.07076766	0.0031263	0.00484847	0.63490455
	21	871.401253	8.90419793	2.99144888	8.35705383	9.03627629	0.08819766	8.26886517	863.044199	206.49149	0	0	0	0.879	862.165008	0.5471441	0.13090911	24.8727317	2.07272764	0.0031263	0.00485306	0.63541734
	22	870.433644	8.90427352	2.99108395	8.35661153	9.03579803	0.08819299	8.26841854	862.077255	206.25869	0	0	0	0.878	861.198047	0.54766199	0.13103102	24.8967247	2.07468956	0.0031263	0.00485765	0.63593064
	23	869.4674654	8.90429018	2.99071902	8.35616878	9.0353193	0.08818832	8.26798046	861.111297	206.02857	0	0	0	0.877	860.234075	0.54818304	0.13115706	24.919841	2.07665342	0.0031263	0.00486223	0.63644445
	24	868.5082051	8.90429441	2.99035411	8.35572526	9.0348401	0.08818364	8.26751946	860.14633	205.79769	0	0	0	0.876	859.270091	0.54869932	0.13128121	24.9434307	2.07861923	0.0031263	0.00486685	0.63695877
	25	867.5376326	8.90450072	2.98989821	8.35528197	9.03436042	0.08817896	8.26710301	859.182351	205.56705	0	0	0	0.875	858.307094	0.54921875	0.13140549	24.9670438	2.08058698	0.0031263	0.00487146	0.63747359
	26	866.5714967	8.90457661	2.98962432	8.35483791	9.03388026	0.08817427	8.26666364	858.219359	205.33665	0	0	0	0.874	857.345083	0.5497387	0.13152929	24.9906802	2.08255658	0.0031263	0.00487607	0.63798893
	27	865.6117465	8.90465257	2.98925944	8.3543934	9.03339963	0.08816958	8.26622382	857.257353	205.10648	0	0	0	0.873	856.384057	0.55025916	0.13165442	25.0143401	2.08452834	0.0031263	0.00488069	0.63850478
	28	864.650211	8.9047286	2.98889457	8.35394846	9.03291852	0.08816488	8.26578357	856.296333	204.87655	0	0	0	0.872	855.424016	0.55078014	0.13177907	25.0380234	2.08650195	0.0031263	0.00488531	0.63902114
	29	863.6897993	8.90480471	2.98852971	8.35350307	9.03243694	0.08816018	8.26534289	855.336296	204.64685	0	0	0	0.871	854.464957	0.55130164	0.13190384	25.0617301	2.08847751	0.0031263	0.00488993	0.63953801
	30	862.7303002	8.90488089	2.98816486	8.35305724	9.03195487	0.08815548	8.26490176	854.377243	204.41739	0	0	0	0.870	853.506881	0.55182365	0.13202874	25.0854604	2.09045504	0.0031263	0.00489456	0.64005539
	31	861.7717828	8.90495715	2.98780001	8.35261097	9.03147233	0.08815077	8.26446062	853.419172	204.18816	0	0	0	0.869	852.549786	0.55234618	0.13215376	25.1092142	2.09243452	0.0031263	0.0048992	0.64057328
	32	860.8142461	8.90503349	2.98743518	8.35216426	9.03098931	0.08814605	8.2640182	852.462082	203.95917	0	0	0	0.868	851.593671	0.55286923	0.1322789	25.1329915	2.09441596	0.0031263	0.00490384	0.64109169
	33	859.8578892	8.90510989	2.98707036	8.35177171	9.03050581	0.08814134	8.26357576	851.505972	203.73041	0	0	0	0.867	850.638355	0.55339828	0.13240417	25.1567925	2.09639937	0.0031263	0.00490844	0.64161062
	34	858.9021109	8.90518624	2.98672494	8.35128095	9.03002185	0.08813661	8.26313289	850.553581	203.50189	0	0	0	0.866	849.6815879	0.55392718	0.13252945	25.1805167	2.09838475	0.0031263	0.00491313	0.64213005
	35	857.9475104	8.90526294	2.986364075	8.35082185	9.02953737	0.08813188	8.26268957	849.596869	203.27360	0	0	0	0.865	848.731197	0.55445921	0.13265508	25.2046451	2.10037029	0.0031263	0.00491778	0.64265
	36	856.9938866	8.90533957	2.98597596	8.35037296	9.02905243	0.08812715	8.26224581	848.643514	203.04554	0	0	0	0.864	847.778993	0.55496661	0.13278072	25.2283369	2.1023614	0.0031263	0.00492244	0.64317047
	37	856.0412386	8.90541628	2.98561118	8.34992403	9.028567	0.08812241	8.26180161	847.691315	202.81772	0	0	0	0.863	846.827764	0.55549226	0.13290649	25.2522323	2.10435269	0.0031263	0.0049271	0.64369146
	38	855.0859653	8.90549307	2.9852464	8.34947464	9.02808811	0.08811767	8.26135698	846.740091	202.59013	0	0	0	0.862	845.877509	0.55601842	0.13303238	25.2761514	2.10634595	0.0031263	0.00493177	0.64421296
	39	854.1388657	8.90556993	2.98484864	8.34902482	9.02759471	0.08811292	8.26091189	845.789841	202.36278	0	0	0	0.861	844.92827	0.55654511	0.13315839	25.3000943	2.10841139	0.0031263	0.00493644	0.64474397
	40	853.193193	8.90564678	2.98451689	8.34857084	9.02710817	0.08810817	8.26046912	844.84056	202.1365	0	0	0	0.860	843.979918	0.55707138	0.13328456	25.3248067	2.11033829	0.0031263	0.00494119	0.64525751
	41	852.240384	8.90572388	2.98415215	8.34812382	9.02662049	0.08810341	8.26002041	843.89226	201.90876	0	0	0	0.859	843.032579	0.55760006	0.1334108	25.3480513	2.11232761	0.0031263	0.0049458	0.64578056
	42	851.2925998	8.90580097	2.98378741	8.34776265	9.02613265	0.08809865	8.259574	842.944927	201.68211	0	0	0	0.858	842.086211	0.55812832	0.13353719	25.3720655	2.11433879	0.0031263	0.00495048	0.64630413
	43	850.3457855	8.90587813	2.98342269	8.34722103	9.02564433	0.08809389	8.25912715	841.998564	201.45568	0	0	0	0.857	841.140813	0.55865571	0.1336637	25.3961035	2.11634196	0.0031263	0.00495517	0.64682823
	44	849.39994	8.90595538	2.98305798	8.34676807	9.02515552	0.08808901	8.25867985	841.053171	201.22949	0	0	0	0.856	840.196382	0.55918664	0.13379034	25.4204054	2.11834712	0.0031263	0.00495987	0.64735284
	45	848.4558523	8.9060327	2.98269327	8.34630834	9.02466623	0.08808426	8.25823211	840.108746	201.00352	0	0	0	0.855	839.251047	0.55971694	0.13391711	25.4442511	2.1203426	0.0031263	0.00496457	0.64787797
	46	847.5115115	8.90611009	2.98232858	8.34586349	9.02417645	0.08807956	8.25778399	839.165288	200.77779	0	0	0	0.854	838.310423	0.5602446	0.1340444	25.4683608	2.1223634	0.0031263	0.00496927	0.64840363
	47	846.5682066	8.90618756	2.98196389	8.34541007	9.02368618	0.08807477	8.2573353	838.222797	200.55229	0	0	0	0.853	837.368891	0.56077748	0.13417102	25.4924943	2.12437453	0.0031263	0.00497398	0.6489298
	48	845.6262266	8.9062651	2.98159922	8.34495621	9.02319543	0.08806998	8.25688622	837.28127	200.32702	0	0	0	0.852	836.428324	0.56130889	0.13429817	25.5166519	2.12638766	0.0031263	0.0049787	0.6494565
	49	844.6852105	8.90634272	2.98123455	8.34450189	9.02277018	0.08806519	8.2564367	836.340709	200.1019	0	0	0	0.851</								

10	792.6093407	8.91089624	2.96046314	8.31784408	8.99387975	0.08778385	8.23006023	784.291497	187.64875	0	0	0	0.799	783.492532	0.59305217	0.14189303	26.9596757	2.24663964	0.031263	0.00526025	0.68091822
11	791.722592	8.91097844	2.96009896	8.31736274	8.99335829	0.08777877	8.22958397	783.405229	187.43670	0	0	0	0.798	782.607167	0.5936157	0.14202786	26.9852934	2.2487745	0.031263	0.00526525	0.68147675
12	790.8367511	8.91106072	2.9597348	8.31688093	8.99283852	0.08777369	8.22951074	782.551387	187.24687	0	0	0	0.797	781.727271	0.59347799	0.14226282	27.0103967	2.25091139	0.031263	0.00527025	0.68203584
13	789.9518173	8.91114208	2.95937064	8.31599673	8.99211682	0.08776386	8.22865019	781.635419	187.01126	0	0	0	0.796	780.83916	0.59474445	0.14229792	27.0366056	2.25305047	0.031263	0.00527526	0.68259549
14	789.067896	8.91122553	2.95900649	8.31591585	8.99179481	0.0877635	8.22815235	780.751874	186.80186	0	0	0	0.795	779.956515	0.59530067	0.14243316	27.0623001	2.25519168	0.031263	0.00528028	0.6831557
15	788.184667	8.91130805	2.95864235	8.31543259	8.99127227	0.0877584	8.22767419	779.869234	186.59068	0	0	0	0.794	779.074774	0.59587546	0.14256853	27.0880203	2.25735002	0.031263	0.00528529	0.68371647
16	787.3024487	8.91139066	2.95827821	8.31494885	8.99074921	0.0877533	8.22719555	778.9875	186.37972	0	0	0	0.794	778.193938	0.59644181	0.14270403	27.1137661	2.25948051	0.031263	0.00529032	0.68427779
17	786.4211337	8.91147335	2.95791408	8.31446462	8.99022563	0.08774819	8.22671644	778.106669	186.16897	0	0	0	0.793	777.314005	0.59700873	0.14283967	27.1395376	2.26162814	0.031263	0.00529535	0.68483968
18	785.5407212	8.91155612	2.95754996	8.31397991	8.98970152	0.08774307	8.22623684	777.225741	185.95844	0	0	0	0.792	776.4334973	0.59757621	0.14297585	27.1653349	2.26377871	0.031263	0.00530038	0.68540213
19	784.6612101	8.91163807	2.95717894	8.31350463	8.98917689	0.08773795	8.22575767	776.347715	185.74813	0	0	0	0.791	775.556843	0.59814426	0.14311136	27.1911579	2.26592883	0.031263	0.00530541	0.68595114
20	783.7825996	8.91172191	2.95682174	8.31300303	8.98865173	0.08773282	8.22527621	775.465091	185.53803	0	0	0	0.790	774.679613	0.59871287	0.14324774	27.2170067	2.26803899	0.031263	0.00531046	0.68652871
21	782.9048889	8.91180492	2.95645764	8.31252287	8.98812605	0.08772769	8.22497518	774.592366	185.32814	0	0	0	0.789	773.803282	0.59928205	0.14338359	27.2428813	2.27024011	0.031263	0.00531551	0.68709285
22	782.0280769	8.91188802	2.95609355	8.31203621	8.98759985	0.08772256	8.22431366	773.716041	185.11848	0	0	0	0.788	772.927840	0.59985181	0.1435199	27.2687818	2.27239848	0.031263	0.00532056	0.68765754
23	781.1521627	8.9119712	2.95572946	8.31154908	8.98707312	0.08771742	8.22383166	772.840614	184.90902	0	0	0	0.787	772.053314	0.60042213	0.14365656	27.2947082	2.27455901	0.031263	0.00532562	0.68822281
24	780.2771455	8.91205407	2.95536539	8.31106145	8.98654586	0.08771227	8.22334918	771.966084	184.69978	0	0	0	0.786	771.179675	0.60099802	0.14379795	27.3206604	2.2767217	0.031263	0.00533069	0.68878863
25	779.4030243	8.91213781	2.9550132	8.31057533	8.98601807	0.08770712	8.22286622	771.092451	184.49076	0	0	0	0.785	770.306923	0.60156448	0.14392988	27.3463686	2.27888555	0.031263	0.00533575	0.68935503
26	778.5297983	8.91221224	2.95463725	8.31008473	8.98548997	0.08770196	8.22238277	770.219714	184.28195	0	0	0	0.784	769.435084	0.60213651	0.14406654	27.3726427	2.28105556	0.031263	0.00534083	0.68992198
27	777.6574665	8.91230475	2.9542372	8.30959564	8.98494691	0.0876968	8.22189884	769.347871	184.07335	0	0	0	0.783	768.564129	0.60270912	0.14420354	27.3986728	2.28322723	0.031263	0.00534591	0.69048951
28	776.786028	8.91238835	2.95390915	8.30910606	8.98443154	0.08769163	8.22141442	768.476922	183.86497	0	0	0	0.782	767.694067	0.60328229	0.14434068	27.4247289	2.28534098	0.031263	0.00535099	0.69105756
29	775.9154819	8.91247203	2.9535451	8.30861199	8.98390164	0.08768646	8.22092953	767.608866	183.65680	0	0	0	0.781	766.824898	0.60385604	0.14447795	27.4508111	2.28756759	0.031263	0.00535608	0.69162626
30	775.0458273	8.91255579	2.95318107	8.30812542	8.98337121	0.08768128	8.22044414	766.737702	183.44885	0	0	0	0.780	765.956519	0.60443036	0.14461536	27.4769193	2.28974328	0.031263	0.00536117	0.69219549
31	774.1770633	8.91263963	2.95281704	8.30763437	8.98284024	0.0876761	8.21995827	765.869429	183.24110	0	0	0	0.779	765.089231	0.60500526	0.14475291	27.5030537	2.29192114	0.031263	0.00536627	0.69276529
32	773.309189	8.91272356	2.95245302	8.30714283	8.98230875	0.08767091	8.21947191	765.002046	183.03357	0	0	0	0.778	764.227232	0.60558073	0.1448906	27.5292411	2.29411018	0.031263	0.00537138	0.69333565
33	772.4422035	8.91280757	2.952089	8.30665079	8.98177672	0.08766572	8.21898507	764.135555	182.82626	0	0	0	0.777	763.357121	0.60615678	0.14502842	27.5554007	2.29623839	0.031263	0.00537649	0.69390659
34	771.5761059	8.91289166	2.951725	8.30615826	8.98124416	0.08766052	8.21849774	763.269948	182.61915	0	0	0	0.776	762.492398	0.6067334	0.14516639	27.581635	2.29846779	0.031263	0.0053816	0.6944781
35	770.7108953	8.91297584	2.951361	8.30565624	8.98071100	0.08765532	8.21800992	762.40523	182.41226	0	0	0	0.775	761.628561	0.6073106	0.14530449	27.6070526	2.30065438	0.031263	0.00538677	0.69505018
36	769.8465708	8.91306014	2.95099172	8.3051772	8.98007744	0.08765011	8.21752161	761.541399	182.20558	0	0	0	0.774	760.765187	0.60788708	0.14544258	27.63284315	2.30284115	0.031263	0.00539188	0.69562259
37	768.9831316	8.91314444	2.95063301	8.30467771	8.97964328	0.08764549	8.21703282	760.678454	181.99912	0	0	0	0.773	759.903544	0.60846463	0.1455811	27.6589293	2.30505311	0.031263	0.00539696	0.69619606
38	768.1205766	8.91322887	2.95026903	8.30418321	8.97910859	0.08763968	8.21654533	759.816393	181.79286	0	0	0	0.772	759.042361	0.60904566	0.14571962	27.6867272	2.30727226	0.031263	0.00540211	0.69676985
39	767.258905	8.91331338	2.94990506	8.30368821	8.97857336	0.08763445	8.21605376	758.955217	181.58682	0	0	0	0.771	758.182062	0.60962517	0.14585827	27.7130713	2.30942261	0.031263	0.00540725	0.69734423
40	766.3981159	8.91339798	2.94954109	8.30319271	8.97803759	0.08762923	8.21556349	758.094923	181.37908	0	0	0	0.770	757.322645	0.61020527	0.14599706	27.7394418	2.31162015	0.031263	0.00541234	0.69791917
41	765.5382085	8.91348266	2.94917713	8.30269672	8.97750128	0.08762399	8.21507273	757.235512	181.18356	0	0	0	0.769	756.464109	0.61078594	0.14613599	27.7653887	2.31381809	0.031263	0.00541745	0.69849469
42	764.6793117	8.91356742	2.94881378	8.30220625	8.97696444	0.08761875	8.21458178	756.347692	180.96995	0	0	0	0.768	755.604422	0.61136795	0.14627596	27.7912562	2.31602023	0.031263	0.00542257	0.69907079
43	763.8210349	8.91365227	2.94844893	8.30170325	8.97642706	0.08761351	8.21408974	755.519332	180.76475	0	0	0	0.767	754.749677	0.61194903	0.14641427	27.8187118	2.31822583	0.031263	0.00542786	0.69964747
44	762.9637669	8.91373721	2.94808529	8.30120576	8.97588915	0.08760826	8.21359751	754.662561	180.55976	0	0	0	0.766	753.893779	0.61253144	0.14655362	27.845188	2.32043233	0.031263	0.00543303	0.70022472
45	762.107377	8.91382222	2.94772135	8.30070778	8.97535069	0.087603	8.21310478	753.806669	180.35498	0	0	0	0.765	753.038759	0.61311444	0.14669311	27.8716907	2.32264089	0.031263	0.0054382	0.70080255
46	761.2518643	8.91390732	2.94735742	8.30020929	8.97481169	0.08759774	8.21261156	753.951655	180.15048	0	0	0	0.764	752.184616	0.61369803	0.14683274	27.89982	2.32485166	0.031263	0.00544338	0.70138405
47	760.3972778	8.91399241	2.94697511	8.30072715	8.97430547	0.08759247	8.21212837	752.097517	179.94605	0	0	0	0.763	751.331348	0.61428205	0.14697295	27.9274758	2.32706625	0.031263	0.00544856	0.70196598
48	759.5434667	8.91407778	2.94662958	8.29921083	8.97373208	0.08758782	8.21162363	751.244256	179.74190	0	0	0	0.762	750.478956	0.61486465	0.14711241	27.9543582	2.32927085	0.031263	0.00545374	0.70253951
49	758.6905801	8.91416313	2.94626567	8.29871085	8.97319146	0.08758192	8.21112892	750.391869	179.53796	0	0	0	0.761	749.627438	0.61545429	0.14725246	27.979672	2.33149727	0.031263	0.00545884	0.70311965
50	757.8385671	8.91424857	2.94590177	8.29821036	8.97265029	0.08757664	8.21063372	749.540357	179.33423	0	0	0	0.760	748.776793	0.61603821	0.14739265	28.00046028	2.3337169	0.031263	0.00546413	0.70370038
51	756.9874269	8.9143341	2.94553787	8.29770938	8.97210859	0.08757136	8.21013802	748.689718	179.13070	0	0	0	0.759	747.92702	0.61662472	0.14753297	28.0312652	2.33593876	0.031263	0.00546934	0.70428169
52	756.1371585	8.91441971	2.94517398	8.29720																	

12	709.886709	8.91935244	2.92480496	8.26830533	8.94031472	0.08726103	8.18104429	701.618404	167.868482	0	0	0	0.715	700.903659	0.65104711	0.15576884	29.5960793	2.46633994	0.0931263	0.00577466	0.73839876
13	709.0847028	8.91944035	2.92444137	8.93974049	0.08725543	0.08518883	8.18051883	700.816929	167.67671	0	0	0	0.714	700.103	0.65166878	0.15591758	29.62434	2.468695	0.0931263	0.00578017	0.73901491
14	708.2835188	8.91953375	2.92407778	8.26724267	8.93916569	0.08724982	8.17999289	700.016276	167.485115	0	0	0	0.713	699.303163	0.65229108	0.15666647	29.6526291	2.47105243	0.0931263	0.00578569	0.73963169
15	707.483156	8.91962454	2.9237142	8.26671054	8.93959031	0.08724442	8.17946633	699.216445	167.29378	0	0	0	0.712	698.504147	0.6529474	0.15621551	29.6800468	2.47412123	0.0931263	0.00579121	0.74024009
16	706.6836136	8.91971542	2.92335062	8.26617787	8.93801435	0.08723858	8.17893929	698.417436	167.10261	0	0	0	0.711	697.705952	0.65353756	0.1563647	29.709293	2.4757441	0.0931263	0.00579675	0.74086711
17	705.8848908	8.9198064	2.92298704	8.26564466	8.9374378	0.08723295	8.17841171	697.619246	166.91164	0	0	0	0.711	696.908575	0.65416174	0.15651404	29.7376677	2.47811898	0.0931263	0.00580228	0.74148576
18	705.0869868	8.91989746	2.92262347	8.26511092	8.93686068	0.08722732	8.17788359	696.821876	166.72086	0	0	0	0.710	696.112017	0.65478655	0.15666353	29.766071	2.48050592	0.0931263	0.00580782	0.74210502
19	704.2899066	8.91998862	2.9222599	8.26457663	8.93628297	0.08722168	8.17735495	696.025324	166.53028	0	0	0	0.709	695.316277	0.65541199	0.15681317	29.794503	2.4828725	0.0931263	0.00581337	0.74274962
20	703.4936116	8.92007987	2.92186633	8.26401481	8.93591563	0.08721604	8.17682577	695.22959	166.33989	0	0	0	0.708	694.521353	0.65603860	0.15696297	29.8229638	2.48524697	0.0931263	0.00581892	0.74334543
21	702.6981788	8.92017121	2.92153277	8.26350045	8.93512581	0.08721039	8.17629623	694.434672	166.14970	0	0	0	0.707	693.721745	0.65654918	0.15711291	29.8514521	2.48762107	0.0931263	0.00582448	0.74396657
22	701.9035415	8.92026263	2.92116601	8.26297055	8.93454635	0.08720473	8.17576581	693.640571	165.95970	0	0	0	0.707	692.932953	0.65729209	0.157263	29.8797079	2.48999577	0.0931263	0.00583005	0.74458584
23	701.1097188	8.92035416	2.92080566	8.2624341	8.93396631	0.08719907	8.17523503	692.847285	165.78990	0	0	0	0.706	692.141475	0.65792005	0.15741325	29.9085176	2.49237647	0.0931263	0.00583562	0.74521074
24	700.3167098	8.92044577	2.92044211	8.26189712	8.93338568	0.0871934	8.17470372	692.054813	165.63030	0	0	0	0.705	691.34981	0.65854865	0.15756365	29.9370932	2.49475776	0.0931263	0.00584119	0.74583376
1	699.5245139	8.92053747	2.9200787	8.26135959	8.93280447	0.08718773	8.17417186	691.263154	165.39089	0	0	0	0.704	690.558958	0.65917788	0.1577142	29.9656975	2.49714146	0.0931263	0.00584677	0.74645741
2	698.73313	8.92062257	2.91971502	8.26082152	8.93222267	0.08718205	8.17363947	690.472309	165.20167	0	0	0	0.703	689.768918	0.65980075	0.1578749	29.9943307	2.49952576	0.0931263	0.00585236	0.74708169
3	697.9425575	8.92072116	2.91935149	8.26034291	8.93164028	0.08717637	8.17310654	689.682275	165.01245	0	0	0	0.703	688.979689	0.66043825	0.15801575	30.0229922	2.50195066	0.0931263	0.00585795	0.74770859
4	697.1527955	8.92081314	2.91898795	8.25974375	8.9310573	0.08717068	8.17257308	688.893052	164.82382	0	0	0	0.702	688.19127	0.66106938	0.15816676	30.0516837	2.50430698	0.0931263	0.00586355	0.74833213
5	696.3638432	8.92090521	2.91862442	8.25920405	8.93047373	0.08716498	8.17203907	688.106439	164.63518	0	0	0	0.701	687.403661	0.66170116	0.15831791	30.0804036	2.5067003	0.0931263	0.00586915	0.74895983
6	695.5756998	8.92099737	2.91826089	8.25863881	8.92988598	0.08715928	8.17150452	687.317036	164.46474	0	0	0	0.700	686.61686	0.66233357	0.15846922	30.1091255	2.50900694	0.0931263	0.00587476	0.74959581
7	694.7883643	8.92108963	2.91789737	8.25812301	8.92930483	0.08715357	8.17096944	686.530241	164.25849	0	0	0	0.699	685.830867	0.66296662	0.15862069	30.1379304	2.5114942	0.0931263	0.00588038	0.75021254
8	694.0018561	8.92118198	2.91753385	8.25758167	8.9287195	0.08714786	8.17043381	685.744254	164.07044	0	0	0	0.699	685.045681	0.6636093	0.1587723	30.1667373	2.51389478	0.0931263	0.005886	0.7508406
9	693.2161143	8.9217442	2.91717033	8.25703979	8.92813357	0.08714214	8.16998765	684.959075	163.88258	0	0	0	0.698	684.2613	0.66423463	0.15892407	30.1955733	2.51629777	0.0931263	0.00589163	0.7514693
10	692.3131981	8.92136695	2.91680682	8.25649736	8.92754705	0.08713642	8.16936094	684.174701	163.69491	0	0	0	0.697	683.477726	0.66486896	0.15907599	30.2244384	2.5187032	0.0931263	0.00589726	0.75209864
11	691.6470867	8.92145958	2.91644331	8.25595437	8.92695994	0.08713069	8.16882369	683.391132	163.50743	0	0	0	0.696	682.694956	0.6655052	0.15922807	30.2533326	2.52111105	0.0931263	0.0059029	0.75272861
12	690.8637792	8.9215523	2.91607981	8.25541084	8.92637223	0.08712495	8.16828589	682.608368	163.32015	0	0	0	0.695	681.912989	0.66614145	0.15938029	30.282256	2.52352133	0.0931263	0.00590854	0.75335922
13	690.0812749	8.92165411	2.91571363	8.25486676	8.92579383	0.08711921	8.1677458	681.826408	163.13906	0	0	0	0.695	681.131825	0.66677834	0.15953588	30.3112085	2.52593405	0.0931263	0.00591491	0.75399046
14	689.2995729	8.92174801	2.9153128	8.25431913	8.92519504	0.08711346	8.16720867	681.045211	162.94611	0	0	0	0.694	680.345162	0.66741588	0.15969351	30.3402901	2.52834196	0.0931263	0.00592128	0.75462334
15	688.5186724	8.92183101	2.91498931	8.25377605	8.92460555	0.08710771	8.16676925	680.264895	162.75305	0	0	0	0.693	679.570193	0.66805406	0.1598379	30.3692014	2.53076678	0.0931263	0.00592755	0.75525486
16	687.7385726	8.9219241	2.91462582	8.25323212	8.92401546	0.08710195	8.16621927	679.485341	162.57294	0	0	0	0.692	678.793143	0.66869288	0.15999075	30.3982418	2.53318681	0.0931263	0.00593317	0.75588801
17	686.9592728	8.92201729	2.91426233	8.25268494	8.92342478	0.08709618	8.16558876	678.706588	162.38662	0	0	0	0.691	678.015183	0.66933235	0.16014374	30.4273115	2.53569029	0.0931263	0.00593864	0.75652181
18	686.180772	8.92211056	2.91389884	8.2521381	8.9228335	0.08709041	8.16504769	677.928634	162.20048	0	0	0	0.690	677.238022	0.66997246	0.1602969	30.4564105	2.53803421	0.0931263	0.00594452	0.75715624
19	685.4036095	8.92220393	2.91353536	8.25159071	8.92224162	0.08708463	8.16450608	677.151479	162.01454	0	0	0	0.690	676.461658	0.67061322	0.16045402	30.4855389	2.54064158	0.0931263	0.0059482	0.75779132
20	684.6251644	8.9222971	2.91317264	8.25104914	8.92170785	0.08707885	8.16396369	676.37512	161.82979	0	0	0	0.689	675.686291	0.67125431	0.16061924	30.5146964	2.54289387	0.0931263	0.00595387	0.75842704
21	683.8500561	8.92239096	2.9128084	8.25049427	8.92105606	0.08707306	8.16342121	675.595962	161.64323	0	0	0	0.688	674.911322	0.67189668	0.16075728	30.5438841	2.54532368	0.0931263	0.00595959	0.7590634
22	683.0747436	8.92248461	2.91244492	8.24994522	8.92046239	0.08706727	8.16287795	674.824798	161.45786	0	0	0	0.687	674.137348	0.67253939	0.16091106	30.5731009	2.54775881	0.0931263	0.00596529	0.75970704
23	682.3002261	8.92257836	2.91208145	8.24939561	8.91986811	0.08706147	8.16233415	674.05803	161.27268	0	0	0	0.686	673.364169	0.67318274	0.16106499	30.6023473	2.55019561	0.0931263	0.00597099	0.76033805
24	681.5265029	8.92267222	2.91171799	8.24884545	8.91927323	0.08705566	8.16178979	673.277657	161.08770	0	0	0	0.686	672.591783	0.67382674	0.16121907	30.6316232	2.55263526	0.0931263	0.00597671	0.76097634
1	680.6335731	8.92276561	2.91134973	8.24829473	8.91867775	0.08704985	8.16124618	672.500739	160.90289	0	0	0	0.685	671.820491	0.67447175	0.16137311	30.6609266	2.55500739	0.0931263	0.00598241	0.76161828
2	679.981436	8.92286016	2.91099106	8.24774345	8.91808167	0.08704403	8.16069942	671.733691	160.71829	0	0	0	0.684	671.049391	0.67511167	0.16152777	30.6902637	2.55752198	0.0931263	0.00598815	0.76225486
3	679.2100907	8.92295428	2.9106276	8.24719162	8.91748498	0.08703821	8.16015341	670.962899	160.53387	0	0	0	0.684	670.279383	0.67576266	0.16168226	30.7196285	2.55996004	0.0931263	0.00599388	0.76289509
4	678.4395365	8.9230485	2.91026414	8.24663922	8.91688769	0.08703238	8.15960684	670.192897	160.34964	0	0	0	0.683	669.510166	0.67640927	0.16183696	30.7490229	2.56241857	0.0931263	0.00599961	0.76353596
5	677.6697725	8.92314281	2.90990069	8.24608627	8.9162898	0.08702654	8.15905973	669.423686	160.16560	0	0	0	0.682	668.741738	0.67705654	0.16199183	30.7784471	2.56487059	0.0931263	0.00600535	0.76417749
6	676.9007979	8.92323721	2.90953724																		

14	635.0738594	8.92867816	2.88918717	8.21362277	8.88118782	0.08668393	8.12693884	626.860237	149.98191	0	0	0	0.639	626.221648	0.71505538	0.17108339	32.505844	2.70882033	0.0931263	0.0063424	0.80183929
15	634.3485872	8.92877813	2.88882381	8.21303629	8.88053562	0.08677744	8.12635855	626.135551	149.80853	0	0	0	0.638	625.497701	0.71574184	0.17124263	32.5370498	2.71142082	0.0931263	0.00634848	0.80251966
16	633.6240595	8.92878782	2.88846046	8.21244521	8.87991587	0.08667155	8.12577766	625.411161	149.63582	0	0	0	0.637	624.774498	0.7164249	0.17141204	32.5682873	2.71402295	0.0931263	0.00635458	0.80320072
17	632.9002754	8.92897838	2.8880771	8.21186153	8.87920834	0.08665535	8.12519618	624.688414	149.46238	0	0	0	0.636	624.052038	0.71711685	0.17157651	32.5995567	2.71662972	0.0931263	0.00636068	0.80388247
18	632.1772343	8.92907866	2.88773374	8.21127325	8.87864734	0.08665914	8.12464111	623.965961	149.28943	0	0	0	0.636	623.330321	0.71780541	0.17174136	32.6308578	2.71923815	0.0931263	0.00636679	0.80456492
19	631.4549353	8.92917903	2.88737039	8.21068437	8.8780106	0.08665292	8.12403145	623.244251	149.11676	0	0	0	0.635	622.609346	0.71849466	0.17190627	32.6621908	2.72184924	0.0931263	0.00637279	0.80524806
20	630.7333778	8.92927951	2.88670073	8.21009489	8.87737321	0.08664667	8.12348419	622.523283	148.94426	0	0	0	0.634	621.889113	0.71918462	0.17207135	32.6935557	2.72446298	0.0931263	0.00637902	0.8059319
21	630.0125609	8.92938009	2.88664638	8.20950481	8.87673517	0.08664047	8.12286434	621.803056	148.77194	0	0	0	0.633	621.16962	0.71987528	0.17223659	32.7249525	2.72707709	0.0931263	0.00638515	0.80661643
22	629.292484	8.92948053	2.88648913	8.20891431	8.87609648	0.08663424	8.12227989	621.08357	148.59979	0	0	0	0.633	620.458866	0.72056664	0.17240201	32.7563813	2.72969844	0.0931263	0.00639128	0.80730166
23	628.5731462	8.92958124	2.88591697	8.20823222	8.87545914	0.086628	8.12169485	620.364823	148.427783	0	0	0	0.632	619.732083	0.72125127	0.17256719	32.7878121	2.73232017	0.0931263	0.00639741	0.80798759
24	627.8554469	8.92968244	2.8855361	8.20773096	8.87481715	0.08662175	8.12110921	619.646816	148.25604	0	0	0	0.631	619.015576	0.72195148	0.17273334	32.8193349	2.73494457	0.0931263	0.00640356	0.80866742
25	627.1366853	8.92978342	2.88519026	8.20713847	8.87417651	0.0866155	8.12052297	618.929547	148.08429	0	0	0	0.631	618.299038	0.72264495	0.17289926	32.8508597	2.73757164	0.0931263	0.00640971	0.80936154
26	626.4195606	8.92988451	2.88484269	8.20654358	8.87353521	0.08660924	8.11993614	618.213015	147.91299	0	0	0	0.630	617.583236	0.72333913	0.17306535	32.8824167	2.74020139	0.0931263	0.00641587	0.81004957
27	625.7031721	8.9299857	2.88446355	8.20595168	8.87289326	0.08660297	8.11934871	617.49722	147.74173	0	0	0	0.629	616.86817	0.72403402	0.17323216	32.9140058	2.74283381	0.0931263	0.00642203	0.81073829
28	624.9875191	8.930087	2.88411002	8.20535738	8.87225065	0.0865967	8.11876567	616.782162	147.57064	0	0	0	0.628	616.153584	0.72472862	0.17340384	32.945627	2.74546882	0.0931263	0.0064282	0.81142772
29	624.2726008	8.93018839	2.88375684	8.20476247	8.87167039	0.08659042	8.11817204	615.607838	147.39973	0	0	0	0.628	615.440244	0.72542593	0.17356463	32.9772885	2.74810071	0.0931263	0.00643438	0.81211785
30	623.5584164	8.93028989	2.88337349	8.20416695	8.87096347	0.08658414	8.11758281	615.354249	147.22900	0	0	0	0.627	614.727382	0.72612294	0.1737314	33.0089662	2.75074719	0.0931263	0.00644056	0.81280868
31	622.8449653	8.93039149	2.88301013	8.20357082	8.87031889	0.08657785	8.11699298	614.641394	147.05845	0	0	0	0.626	614.015254	0.72682066	0.17389834	33.0406482	2.75339035	0.0931263	0.00644675	0.81350021
32	622.1322466	8.93049319	2.88264678	8.20297409	8.86967366	0.08657155	8.11640254	613.929273	146.88806	0	0	0	0.625	613.303857	0.72751591	0.17406545	33.0724346	2.75603621	0.0931263	0.00645295	0.81419246
33	621.4202597	8.930595	2.88228342	8.20237675	8.86902777	0.08656525	8.1158115	613.217883	146.71786	0	0	0	0.625	612.593192	0.72821825	0.17423272	33.1042172	2.75868477	0.0931263	0.00645915	0.81488254
34	620.7090398	8.9306969	2.88192007	8.2017788	8.86838812	0.08655894	8.11521996	612.507225	146.54783	0	0	0	0.624	611.883258	0.72891811	0.17440017	33.1360323	2.76133602	0.0931263	0.00646536	0.81557905
35	619.9984782	8.93079891	2.88155671	8.20118023	8.86773401	0.08655262	8.11462762	611.797298	146.37797	0	0	0	0.623	611.174054	0.72961868	0.17456779	33.1678798	2.76398998	0.0931263	0.00647157	0.81627341
36	619.2886821	8.93090103	2.88119336	8.20058106	8.86708614	0.08654629	8.11403477	611.088101	146.20829	0	0	0	0.623	610.46558	0.73031997	0.17473558	33.1997598	2.76664665	0.0931263	0.00647776	0.81696848
37	618.5796147	8.93100325	2.88083	8.19998128	8.86643761	0.08653996	8.11344131	610.379633	146.03878	0	0	0	0.622	609.757834	0.73102197	0.17490354	33.2316722	2.76930602	0.0931263	0.00648402	0.81766426
38	617.8712755	8.93110557	2.88046665	8.19938088	8.86578841	0.08653363	8.11284725	609.671895	145.86945	0	0	0	0.621	609.050816	0.73172469	0.17507167	33.2636172	2.7719681	0.0931263	0.00649025	0.81836074
39	617.1636635	8.93120799	2.88010329	8.19877897	8.86513855	0.08652729	8.11225598	608.944884	145.70229	0	0	0	0.620	608.344526	0.73242812	0.17523997	33.2955948	2.77463229	0.0931263	0.00649649	0.818905794
40	616.4567781	8.93131024	2.87979291	8.19817824	8.86448803	0.08652094	8.11165731	608.2586	145.53130	0	0	0	0.619	607.638961	0.73313227	0.17540811	33.3273041	2.77730041	0.0931263	0.00650272	0.81945584
41	615.7506186	8.93141315	2.87937658	8.19757601	8.86383685	0.08651458	8.11106142	607.553403	145.36029	0	0	0	0.619	606.934123	0.73383714	0.17557079	33.3595478	2.77990765	0.0931263	0.00650899	0.82005446
42	615.0451842	8.93151588	2.87901322	8.19697315	8.86318499	0.08650822	8.11046493	606.848211	145.19386	0	0	0	0.618	606.230009	0.73454273	0.17574591	33.3917233	2.78264361	0.0931263	0.00651524	0.82115379
43	614.3404742	8.93161872	2.87864986	8.19636896	8.86253248	0.08650185	8.10986783	606.144104	145.02539	0	0	0	0.617	605.52662	0.73524904	0.17591949	33.4238315	2.78531929	0.0931263	0.00652151	0.82185383
44	613.6364878	8.93172167	2.8782865	8.19576559	8.86187259	0.08649547	8.10927012	605.440722	144.85704	0	0	0	0.617	604.823954	0.73595607	0.17608407	33.4559725	2.78799771	0.0931263	0.00652778	0.82255459
45	612.9332243	8.93182471	2.87792314	8.19516089	8.86122544	0.08648909	8.1086718	604.738063	144.68898	0	0	0	0.616	604.12201	0.73666382	0.17625334	33.4881463	2.79067886	0.0931263	0.00653404	0.82325607
46	612.230683	8.93192739	2.87759092	8.19457902	8.86057392	0.08648277	8.10807279	604.036127	144.52104	0	0	0	0.615	603.424235	0.73737327	0.17642359	33.5203223	2.79336236	0.0931263	0.00654034	0.82395825
47	611.5288632	8.93202112	2.87719642	8.19394963	8.85991573	0.08647631	8.10743732	603.334914	144.35327	0	0	0	0.615	602.720291	0.73808149	0.17659259	33.5525924	2.79604937	0.0931263	0.00654663	0.82466116
48	610.8277641	8.93213448	2.87683306	8.19343307	8.85925988	0.08646991	8.10687316	602.634421	144.18567	0	0	0	0.614	602.020512	0.73879141	0.17676245	33.5848648	2.79873873	0.0931263	0.00655293	0.82536478
49	610.127385	8.93223795	2.8764697	8.19273589	8.85860363	0.08646335	8.10627239	601.934649	144.01824	0	0	0	0.613	601.321453	0.73950206	0.17693247	33.6171701	2.80134804	0.0931263	0.00655922	0.82606912
50	609.427252	8.93234151	2.87610633	8.19212809	8.85794615	0.08645708	8.105671	601.233597	143.85094	0	0	0	0.612	600.623113	0.74021343	0.17710268	33.6495084	2.80441257	0.0931263	0.00656554	0.82677419
51	608.7287839	8.93244509	2.87579297	8.19152967	8.85728828	0.08645086	8.10506549	600.537264	143.68187	0	0	0	0.611	599.925828	0.74092552	0.17727881	33.6819789	2.80750031	0.0931263	0.00657182	0.82747997
52	608.0305604	8.93254807	2.8753796	8.19091062	8.85662973	0.08644424	8.10446639	599.83965	143.51700	0	0	0	0.611	599.228588	0.74163835	0.17744336	33.7143281	2.80952368	0.0931263	0.00657818	0.82818647
53	607.3330541	8.93265285	2.87501624	8.19030066	8.85597051	0.0864378	8.10386315	599.142753	143.35026	0	0	0	0.610	598.532401	0.7423519	0.17761432	33.7467216	2.81222268	0.0931263	0.00658451	0.82889369
54	606.632641	8.93275684	2.87465287	8.18969066	8.85531062	0.08643136	8.1032593	598.446573	143.18369	0	0	0	0.610	597.83693	0.74306618	0.17778522	33.7791922	2.81493269	0.0931263	0.00659085	0.82960163
55	605.9401897	8.93286094	2.8742895	8.18907975	8.85465005	0.08642491	8.10265484	597.75111	143.01729	0	0	0	0.609	597.142175	0.74378119	0.17795629	33.811696	2.81764133	0.0931263	0.00659719	0.8303013
56	605.2448303	8																			

16	567.4237415	8.93897227	2.85357445	8.15320225	8.8158566	0.08604627	0.06715598	559.270539	133.81047	0	0	0	0.570	558.700805	0.78577002	0.1880025	35.7204745	2.9767062	0.0931263	0.00696962	0.8719267
17	566.7679612	8.93900828	2.85321095	8.1525389	8.81515554	0.08603943	0.06651446	558.615407	133.65373	0	0	0	0.569	558.046341	0.78652879	0.18818404	35.7549675	2.9795803	0.0931263	0.00697635	0.87267874
18	566.1128551	8.9391932	2.85317475	8.15190486	8.81445376	0.08602358	0.06587228	557.965095	133.47914	0	0	0	0.568	557.392325	0.78728834	0.18836577	35.7894961	2.98245801	0.0931263	0.00698309	0.87343155
19	565.4584226	8.93930383	2.85248294	8.15125516	8.81375126	0.08602572	0.06522944	557.307167	133.34072	0	0	0	0.568	556.730434	0.78804867	0.18854768	35.8240501	2.98533834	0.0931263	0.00699093	0.87411814
20	564.804663	8.93941457	2.85212043	8.15060479	8.81304803	0.08601886	0.06458593	556.654058	133.18446	0	0	0	0.567	556.08699	0.78880708	0.18872979	35.8586597	2.98822164	0.0931263	0.00699658	0.8749395
21	564.1515756	8.93952543	2.85175692	8.14995375	8.81234408	0.08601196	0.06394176	556.001622	133.02836	0	0	0	0.566	555.435218	0.78957168	0.18891208	35.8932949	2.99110791	0.0931263	0.00700334	0.87569464
22	563.4991596	8.9396634	2.8513934	8.14930205	8.8116394	0.08600511	0.06329693	555.349858	132.87242	0	0	0	0.565	554.784118	0.79033436	0.18909456	35.9279657	2.99399714	0.0931263	0.0070101	0.87645055
23	562.8474146	8.93974749	2.85102988	8.14864967	8.810934	0.08599823	0.06265144	554.698765	132.71664	0	0	0	0.565	554.133688	0.79109782	0.18927722	35.9626722	2.99688935	0.0931263	0.00701688	0.87720724
24	562.1963396	8.93985868	2.85066635	8.14799661	8.81022787	0.08599134	0.06200528	554.048433	132.56102	0	0	0	0.564	553.483929	0.79186207	0.18946008	35.9979143	2.99978453	0.0931263	0.00702366	0.87796472
25	561.5459142	8.93993282	2.85032812	8.14724289	8.80952102	0.08598444	0.06135845	553.398591	132.40556	0	0	0	0.563	552.834948	0.79262711	0.18964312	36.0321922	3.00267842	0.0931263	0.00703044	0.87872937
26	560.9961976	8.94008142	2.84993929	8.14668489	8.80881343	0.08597753	0.06071096	552.749509	132.25026	0	0	0	0.563	552.186418	0.79339239	0.18982635	36.0670059	3.00558383	0.0931263	0.00703723	0.87949482
27	560.2471291	8.94019296	2.84957576	8.14603342	8.80810512	0.08597062	0.06006028	552.101096	132.09512	0	0	0	0.562	551.538665	0.79415954	0.19000977	36.1018554	3.00848795	0.0931263	0.00704403	0.88024181
28	559.598728	8.94030461	2.84921221	8.14537767	8.80739607	0.08596337	0.05941397	551.45335	131.94014	0	0	0	0.562	550.89158	0.79492694	0.19019337	36.1367408	3.01139507	0.0931263	0.00705084	0.8810024
29	558.9509937	8.94041637	2.84884867	8.14472124	8.80668683	0.08595677	0.05876468	550.806272	131.78532	0	0	0	0.561	550.245161	0.79569513	0.19037717	36.1716621	3.01430518	0.0931263	0.00705765	0.88176378
30	558.3039256	8.94052825	2.84848512	8.14406414	8.80595759	0.08594983	0.05811331	550.159861	131.63866	0	0	0	0.560	549.598048	0.79646411	0.19056145	36.2065194	3.01721828	0.0931263	0.00706447	0.88252594
31	557.6575229	8.94064025	2.84821257	8.14340628	8.80526455	0.08594289	0.05746347	549.514117	131.47616	0	0	0	0.560	548.954321	0.79723388	0.19074533	36.2426122	3.02013438	0.0931263	0.0070713	0.88328888
32	557.0117849	8.94075235	2.84775801	8.14274791	8.80455258	0.08593594	0.05681197	548.869037	131.32182	0	0	0	0.559	548.309899	0.79800445	0.19092969	36.2766418	3.02303549	0.0931263	0.00707814	0.88405261
33	556.3667111	8.94086458	2.84739445	8.14208787	8.80383987	0.08592899	0.05615979	548.224622	131.16764	0	0	0	0.558	547.666141	0.7987758	0.19111425	36.3117072	3.0259756	0.0931263	0.00708498	0.88481773
34	555.7223007	8.94097691	2.84703088	8.14142896	8.80312642	0.08592202	0.05550693	547.580872	131.01362	0	0	0	0.558	547.023046	0.79954796	0.19129899	36.3468086	3.02890702	0.0931263	0.00709183	0.88558243
35	555.078553	8.94108936	2.84666732	8.14076846	8.80241225	0.08591505	0.05485341	546.937785	130.85975	0	0	0	0.557	546.380614	0.80032091	0.19148393	36.3819462	3.03182885	0.0931263	0.00709868	0.88634852
36	554.4354575	8.94120193	2.84630374	8.14010728	8.80169733	0.08590807	0.05419921	546.29536	130.70005	0	0	0	0.557	545.738844	0.80109465	0.19166905	36.417172	3.03476	0.0931263	0.00710555	0.88711541
37	553.7930433	8.94131461	2.84594016	8.13945452	8.80098168	0.08590109	0.05354433	545.653598	130.55250	0	0	0	0.556	545.097736	0.80186919	0.19185437	36.4523301	3.03769417	0.0931263	0.00711242	0.88788308
38	553.1512799	8.94142741	2.84557658	8.13878288	8.80026528	0.0858941	0.05288878	545.012497	130.39911	0	0	0	0.555	544.457288	0.80264533	0.19203988	36.4875764	3.04063137	0.0931263	0.00711929	0.88865154
39	552.5101766	8.94154032	2.84521299	8.13811965	8.80058871	0.05223255	0.05223255	544.372057	130.24588	0	0	0	0.555	543.81175	0.80342067	0.19222557	36.522859	3.04357159	0.0931263	0.00712618	0.88942079
40	551.8697327	8.94165335	2.84484894	8.13745574	8.79983028	0.05157565	0.05157565	543.732277	130.09281	0	0	0	0.554	543.178372	0.80419761	0.19241146	36.558178	3.04651484	0.0931263	0.00713307	0.89019084
41	551.2294746	8.94176649	2.84448581	8.13679114	8.79861767	0.05087508	0.05091806	543.093516	129.93899	0	0	0	0.553	542.539902	0.80490735	0.19259754	36.5935334	3.04946112	0.0931263	0.00713997	0.89096168
42	550.5908206	8.94187931	2.84412122	8.13598606	8.79742593	0.05018606	0.05022591	542.454691	129.78713	0	0	0	0.553	541.901291	0.80567349	0.19278382	36.6285194	3.05239442	0.0931263	0.00714687	0.89173312
43	549.9523509	8.94199312	2.8437558	8.13545495	8.79671222	0.049585903	0.04960086	541.816891	129.63453	0	0	0	0.552	541.264937	0.80635323	0.19297028	36.6645356	3.0553628	0.0931263	0.00715379	0.89250575
44	549.3145381	8.94210661	2.84339499	8.13479323	8.79595318	0.04885199	0.04894124	541.179745	129.48209	0	0	0	0.551	540.62844	0.80713338	0.19315694	36.6998185	3.05831821	0.0931263	0.00716071	0.89327898
45	548.6773814	8.94220221	2.84303138	8.13412588	8.79522979	0.04818495	0.04828093	540.543255	129.32803	0	0	0	0.551	539.992599	0.80809433	0.19334379	36.7353199	3.06127666	0.0931263	0.00716763	0.894053
46	548.0408801	8.94233393	2.84266776	8.13345785	8.79450746	0.04746195	0.04759072	539.907422	129.17767	0	0	0	0.550	539.357414	0.80887609	0.19353083	36.7708579	3.06423816	0.0931263	0.00717457	0.89482782
47	547.4050335	8.94244777	2.84230413	8.13277802	8.79379438	0.04675834	0.04695828	539.272244	129.02570	0	0	0	0.549	538.722883	0.80965865	0.19371807	36.8064326	3.06720272	0.0931263	0.00718151	0.89560365
48	546.7698411	8.94256127	2.84194095	8.13210732	8.79306056	0.046052378	0.04625933	538.637721	128.87389	0	0	0	0.548	538.0829500	0.81043649	0.19390517	36.842404	3.07017034	0.0931263	0.00718845	0.89637987
49	546.1353022	8.94267578	2.84157687	8.13144959	8.79233599	0.04538167	0.04563289	538.003853	128.72223	0	0	0	0.548	537.455783	0.81122462	0.19409312	36.8776922	3.07314101	0.0931263	0.00719541	0.89715709
50	545.501416	8.94278998	2.84121323	8.13077879	8.79161067	0.04469617	0.04496917	537.370367	128.57073	0	0	0	0.547	536.823213	0.81201119	0.19428093	36.9133771	3.07611476	0.0931263	0.00720237	0.89793512
51	544.868182	8.94290429	2.84084959	8.1301073	8.79088486	0.044030476	0.04430476	536.738075	128.41938	0	0	0	0.546	536.191295	0.81279699	0.19446894	36.9490988	3.07901957	0.0931263	0.00720934	0.89871394
52	544.2355995	8.94301871	2.84048594	8.12943511	8.79015778	0.04336967	0.04363967	536.106164	128.26819	0	0	0	0.546	535.560028	0.81358359	0.19465714	36.9848574	3.08207145	0.0931263	0.00721632	0.89949458
53	543.6036678	8.94313244	2.84012623	8.12876223	8.78943402	0.04270382	0.04297382	535.4749096	128.11716	0	0	0	0.545	534.921941	0.81437064	0.19484255	37.0206522	3.08516641	0.0931263	0.00722331	0.90027401
54	542.9723863	8.9432479	2.83975863	8.12808865	8.78870188	0.04203742	0.04230742	534.844249	127.96628	0	0	0	0.545	534.290447	0.81515925	0.19503413	37.0564854	3.08804005	0.0931263	0.0072303	0.90105525
55	542.3417543	8.94336267	2.83939496	8.12741437	8.7879728	0.041364026	0.04164026	534.21434	127.81555	0	0	0	0.544	533.670131	0.8159483	0.19522292	37.0923548	3.09102957	0.0931263	0.0072373	0.9018373
56	541.7117712	8.94347756	2.83903129	8.1267394	8.78724297	0.040679241	0.04097241	533.585032	127.66499	0	0	0	0.544	533.041464	0.81673816	0.1954119	37.1282613	3.09402178	0.0931263	0.0072443	0.90262016
57	541.0824632	8.94359257	2.83866762	8.12606373	8.78651239	0.040030387	0.040330387	532.956372	127.51457	0	0	0	0.543	532.413445	0.81752883	0.19560108	37.1642049	3.09701707	0.0931263	0.00725131	0.90340382
58	540.453																				

18	506.260881	8.95034663	2.81792805	0.08637003	8.74359257	0.08534095	8.00102908	498.174511	119.192750	0	0	0	0.507	497.667016	0.8639766	0.20671412	39.2756829	3.27297357	0.0931263	0.0076633	0.9494396
19	506.6680452	8.95046868	2.81756399	0.08565246	8.74281668	0.08533338	8.00031909	497.582393	119.05103	0	0	0	0.506	497.075501	0.86481622	0.20691501	39.3138514	3.2761429	0.0931263	0.0076704	0.95027178
20	505.0758201	8.95059087	2.81759993	0.08499415	8.74203998	0.08532579	7.99986038	496.993086	118.90581	0	0	0	0.507	496.485497	0.86565672	0.2071161	39.3520597	3.2793831	0.0931263	0.0076782	0.95110482
21	504.484251	8.9507131	2.81681586	0.08421509	8.74126248	0.08531821	7.99880648	496.39999	118.76913	0	0	0	0.506	495.894933	0.86649009	0.2073741	39.3903077	3.2825254	0.0931263	0.0076856	0.95193972
22	503.8931997	8.95083561	2.81647178	0.08349528	8.74048417	0.08531061	7.99818467	495.809704	118.62690	0	0	0	0.505	495.304619	0.86734033	0.20751892	39.4285955	3.28571629	0.0931263	0.00769313	0.9527735
23	503.3020832	8.95095817	2.81610769	0.08277472	8.73970504	0.08530303	7.99747171	495.220028	118.48582	0	0	0	0.504	494.715543	0.86818345	0.20772065	39.4669231	3.2891026	0.0931263	0.00770061	0.95360914
24	502.713015	8.95108085	2.81574359	0.08205341	8.73892511	0.08529539	7.99675801	494.630962	118.34468	0	0	0	0.504	494.127077	0.86902745	0.20792258	39.5052905	3.29210754	0.0931263	0.00770781	0.95445665
185	502.1238346	8.95120367	2.81537949	0.08133134	8.73814436	0.08528777	7.99604303	494.042503	118.20408	0	0	0	0.503	493.539218	0.86987232	0.20812473	39.5436979	3.29530816	0.0931263	0.00771559	0.95528303
20	505.256212	8.9511961	2.81501537	0.08068083	8.7373628	0.08528014	7.9952389	493.44563	118.06343	0	0	0	0.503	492.951966	0.87071808	0.20832708	39.582452	3.2985121	0.0931263	0.00772309	0.95611229
21	504.472943	8.9514967	2.81465125	0.07988496	8.73658042	0.08527251	7.9946125	492.867407	117.92193	0	0	0	0.502	492.365151	0.87165471	0.20852965	39.6263254	3.30172138	0.0931263	0.0077306	0.95696041
22	500.3599332	8.95157287	2.81428712	0.07916064	8.73579732	0.08526486	7.99385757	492.280773	117.78257	0	0	0	0.501	491.779282	0.87241223	0.20873242	39.6591599	3.30492099	0.0931263	0.00773812	0.95780041
5	499.7731775	8.95169619	2.81392299	0.07843556	8.73501322	0.08525721	7.99317835	491.694742	117.64226	0	0	0	0.501	491.193848	0.87326063	0.20893541	39.6977274	3.30814395	0.0931263	0.00774564	0.95864128
6	499.1870263	8.95181963	2.81355884	0.07770973	8.73422839	0.08524955	7.99246018	491.109317	117.50239	0	0	0	0.500	490.690919	0.87410991	0.20913861	39.7363351	3.31136125	0.0931263	0.00775318	0.95948303
7	498.6014792	8.95194321	2.81319469	0.07698313	8.73344275	0.08524188	7.99174125	490.524496	117.36237	0	0	0	0.500	490.024794	0.87496007	0.20934202	39.7749829	3.31458191	0.0931263	0.00776072	0.96032566
8	498.1053536	8.95206901	2.81283052	0.07625579	8.73265628	0.08523421	7.99102158	489.94028	117.22259	0	0	0	0.499	489.441173	0.87581112	0.20954654	39.8135709	3.31780591	0.0931263	0.00776827	0.96116916
9	497.4321047	8.95219074	2.81246635	0.07552768	8.731869	0.08522652	7.99030116	489.356667	117.08295	0	0	0	0.499	488.85815	0.87666306	0.20974947	39.8523993	3.32103327	0.0931263	0.00777582	0.96201354
10	496.8484561	8.9523147	2.81210217	0.07479881	8.73100809	0.08521883	7.98957998	488.773657	116.94346	0	0	0	0.498	488.275739	0.87751588	0.20995352	39.891168	3.324264	0.0931263	0.00778339	0.9628588
11	496.2653191	8.95243878	2.81137398	0.07406919	8.73029197	0.08521113	7.98885806	488.19125	116.80412	0	0	0	0.497	487.693925	0.87836959	0.21015777	39.929977	3.32749808	0.0931263	0.00779096	0.96370494
12	495.6827831	8.95256299	2.81137388	0.07395022	8.72952042	0.08520342	7.98813538	487.609444	116.66492	0	0	0	0.497	487.112712	0.8792224	0.21036224	39.9688265	3.33073554	0.0931263	0.00779784	0.96455196
13	495.1008474	8.95268713	2.81100958	0.07367075	8.72871164	0.0851957	7.98741194	487.02824	116.52386	0	0	0	0.496	486.5321	0.88007969	0.21056693	40.0077164	3.33397367	0.0931263	0.00780611	0.96539986
14	494.5195116	8.9528118	2.81064536	0.0733873	8.72792024	0.08518798	7.98668075	486.447636	116.38694	0	0	0	0.496	485.952087	0.88093607	0.21077183	40.0466469	3.33722058	0.0931263	0.00781372	0.96624865
15	493.938775	8.9529364	2.81028114	0.07314306	8.72712801	0.08518025	7.98595981	485.867632	116.24817	0	0	0	0.495	485.372674	0.88179335	0.21097694	40.0856179	3.34048616	0.0931263	0.00782133	0.96709832
16	493.3586369	8.95306113	2.80991169	0.07290461	8.72633496	0.08517251	7.98523711	485.288227	116.10954	0	0	0	0.494	484.79386	0.88265151	0.21118226	40.1246296	3.34371913	0.0931263	0.00782894	0.96794888
17	492.7790699	8.95318598	2.80955266	0.06967541	8.72554108	0.08516476	7.98451065	484.709421	115.97106	0	0	0	0.494	484.215644	0.88351058	0.2113878	40.1636819	3.34697349	0.0931263	0.00783656	0.96880032
18	492.2001542	8.95331097	2.80918841	0.06894043	8.72474637	0.085157	7.98378343	484.131214	115.83272	0	0	0	0.493	483.638025	0.88437053	0.21159355	40.2027749	3.35023124	0.0931263	0.00784419	0.96965265
19	491.6218083	8.95346608	2.80886245	0.06820649	8.72395083	0.08514924	7.98305545	483.553604	115.69452	0	0	0	0.493	483.061003	0.88523139	0.21179952	40.2410087	3.35349239	0.0931263	0.00785182	0.97055287
20	491.0400286	8.95359352	2.80859088	0.06746818	8.72315446	0.08514146	7.9823256	482.97651	115.55646	0	0	0	0.492	482.484573	0.88610128	0.21200932	40.2818913	3.35675404	0.0931263	0.00785947	0.97135998
21	490.4660405	8.95366861	2.80820956	0.0667309	8.72235726	0.08513368	7.98159272	482.400174	115.41855	0	0	0	0.491	481.905748	0.88695579	0.21221211	40.3202987	3.36002489	0.0931263	0.00786712	0.97212408
22	489.8903453	8.95381219	2.80773131	0.06599285	8.72155922	0.08512589	7.98086696	481.824352	115.28078	0	0	0	0.491	481.333514	0.88781934	0.21241871	40.359555	3.36329625	0.0931263	0.00787478	0.97307087
23	489.3143806	8.95393783	2.80736702	0.06525403	8.72076036	0.0851181	7.98013593	481.249127	115.14315	0	0	0	0.490	480.758874	0.8886838	0.21262554	40.3988523	3.36657102	0.0931263	0.00788244	0.97392765
24	488.7390096	8.95406359	2.80700271	0.06451444	8.71996065	0.08511029	7.97940415	480.674495	115.00567	0	0	0	0.490	480.184828	0.88954915	0.21283258	40.4381905	3.36984921	0.0931263	0.00789012	0.97478533
186	488.1642218	8.95418948	2.8066348	0.06377407	8.71916011	0.08510248	7.9787159	480.104548	114.86832	0	0	0	0.489	479.611375	0.8904154	0.21303984	40.4775698	3.37313082	0.0931263	0.00789778	0.97564349
20	487.5920466	8.9543155	2.80627407	0.06305874	8.71836125	0.08509466	7.97793825	479.527017	114.73112	0	0	0	0.488	479.026165	0.89128916	0.21324692	40.5169001	3.37639525	0.0931263	0.00790545	0.97650317
21	487.0164534	8.95444165	2.80590974	0.06229102	8.71755652	0.08508683	7.97720419	478.954162	114.59406	0	0	0	0.488	478.466247	0.89215063	0.21345501	40.5564518	3.37970431	0.0931263	0.00791319	0.97736374
22	486.4434516	8.95456793	2.80554539	0.06154833	8.71675347	0.08507899	7.97646934	478.381903	114.45714	0	0	0	0.487	477.894571	0.8930136	0.21366292	40.5959545	3.3829962	0.0931263	0.00792029	0.978225
23	485.8710406	8.95469434	2.80518104	0.06080486	8.71594598	0.08507114	7.97573372	477.810236	114.32037	0	0	0	0.486	477.323486	0.89388948	0.21387104	40.6354984	3.38629153	0.0931263	0.00792862	0.97908716
24	485.2992138	8.95482088	2.80481668	0.06006062	8.71514485	0.08506329	7.97499733	477.239159	114.18373	0	0	0	0.486	476.752991	0.89476026	0.21407939	40.6750836	3.38959503	0.0931263	0.00793634	0.97995022
1	484.7279886	8.95494816	2.80441623	0.05931656	8.71432607	0.08505546	7.97426017	476.66673	114.04734	0	0	0	0.485	476.180306	0.89563196	0.21428747	40.7147103	3.39289287	0.0931263	0.00794419	0.98081419
2	484.1574465	8.95504734	2.80400792	0.0585608	8.71353286	0.08504755	7.97352224	476.098777	113.91089	0	0	0	0.485	475.61377	0.89650456	0.21449673	40.7543781	3.39610817	0.0931263	0.00795181	0.98167905
3	483.5872927	8.95520129	2.80372353	0.05782321	8.71272556	0.08503967	7.97278354	475.52947	113.77467	0	0	0	0.484	475.045043	0.89737808	0.21470572	40.7940874	3.39950728	0.0931263	0.00795956	0.98254482
4	483.0178268	8.95532836	2.80335913	0.05707585	8.71191749	0.08503179	7.97200447	474.960751	113.63860	0	0	0	0.484	474.476904	0.89825251	0.21491494	40.8338382	3.4021895	0.0931263	0.00796732	0.98341149
5	482.4489482	8.95545556	2.80299471	0.05632771	8.71110854	0.08502389	7.97130382	474.39262	113.50267	0	0	0	0.483	473.909352	0.89912785	0.21512437	40.8736306	3.40613588	0.0931263	0.00797508	0.98427707
6	481.8806562	8.95558289	2.80263029																		

20	450.9746527	8.96292806	2.78220534	8.01236072	8.66356813	0.08455988	7.92780084	442.962292	105.98269	0	0	0	0.451	442.511042	0.95056734	0.22743173	43.2120284	3.60100237	0.0931263	0.00843134	1.0352623
21	450.4388431	8.96306314	2.78184027	8.01156562	8.66270841	0.08455149	7.92701414	442.727278	105.98423	0	0	0	0.451	441.976573	0.95149752	0.22765428	43.2543138	3.60452615	0.0931263	0.00843959	1.03618423
22	449.9035869	8.96319837	2.78147519	8.01076969	8.66184778	0.08454309	7.9252266	443.892817	105.72680	0	0	0	0.450	441.462657	0.95324868	0.22787707	43.2966436	3.60805364	0.0931263	0.00844785	1.03710713
23	449.3488836	8.96313374	2.78111009	8.00997291	8.66090625	0.08453468	7.92543824	441.338911	105.59906	0	0	0	0.450	440.902924	0.95336082	0.2281001	43.3390181	3.61158484	0.0931263	0.00845611	1.03803101
24	448.8347326	8.96346924	2.78074499	8.0091735	8.6601238	0.08452626	7.92464904	440.825557	105.47145	0	0	0	0.449	440.376484	0.95429395	0.22832335	43.3814371	3.615115975	0.0931263	0.00846439	1.03895585
189	1	448.3011333	8.96360489	2.78037987	8.00837684	8.65926045	0.08451783	7.92385901	440.292756	105.34398	0	0	0.449	439.844226	0.95522805	0.22854685	43.4239007	3.61865839	0.0931263	0.00847268	1.03988167
	2	447.7680852	8.96374068	2.7801473	8.00757754	8.65839619	0.0845094	7.92306815	439.760508	105.21663	0	0	0.448	439.312152	0.95616314	0.22877057	43.466409	3.62220075	0.0931263	0.00848097	1.04080847
	3	447.2355878	8.96387661	2.77964959	8.0067774	8.65753102	0.08450095	7.92227645	439.22881	105.08942	0	0	0.447	438.781364	0.95709921	0.2289954	43.508621	3.62574684	0.0931263	0.00848928	1.04173624
	4	446.7036404	8.96400839	2.77928443	8.00597942	8.65666494	0.0844925	7.92148392	438.696764	104.96234	0	0	0.447	438.250759	0.95803627	0.22921874	43.55156	3.62929667	0.0931263	0.00849759	1.04266498
	5	446.1722426	8.96414891	2.77891925	8.00517459	8.65579794	0.08448404	7.92069055	438.167068	104.83139	0	0	0.446	437.720707	0.95897331	0.22944317	43.5942027	3.63259323	0.0931263	0.00850591	1.04359417
	6	445.6413937	8.96428526	2.77855407	8.00437191	8.65493002	0.08447557	7.91989635	437.637022	104.70857	0	0	0.446	437.191197	0.95993134	0.22966784	43.6369084	3.63604753	0.0931263	0.00851424	1.04452541
	7	445.1110933	8.96442176	2.77818887	8.00356839	8.65406162	0.08446709	7.91910131	437.107525	104.58188	0	0	0.445	436.66224	0.96085336	0.22989275	43.679623	3.63996858	0.0931263	0.00852257	1.04545709
	8	444.5813408	8.9645584	2.77782365	8.00276402	8.65319145	0.0844586	7.91830542	436.578577	104.45333	0	0	0.445	436.13383	0.96179438	0.2301179	43.722406	3.64353338	0.0931263	0.00853092	1.04638976
	9	444.0521357	8.96469518	2.77745843	8.0019578	8.65232079	0.0844501	7.9175087	436.050177	104.32890	0	0	0.444	435.605969	0.96273638	0.23034328	43.7652233	3.64710194	0.0931263	0.00853928	1.04732324
	10	443.5234773	8.96483211	2.77709319	8.0011523	8.65144921	0.08444159	7.91671714	435.522235	104.20261	0	0	0.444	435.078654	0.96367897	0.2305691	43.8080911	3.65067426	0.0931263	0.00854764	1.04825804
190	11	442.9953651	8.96496918	2.77672793	8.00034582	8.65057794	0.08443308	7.91592174	434.995019	104.07645	0	0	0.443	434.551886	0.96462336	0.23079476	43.8510041	3.65425034	0.0931263	0.00855601	1.04919365
	12	442.4677986	8.96510639	2.77636267	7.99953804	8.64970328	0.08442455	7.91511349	434.468261	103.95041	0	0	0.443	434.025664	0.96556483	0.23102085	43.8939623	3.65787019	0.0931263	0.00856439	1.05013025
	13	441.9407773	8.96524375	2.77599739	7.99872942	8.64882893	0.08441602	7.9143134	433.942048	103.82451	0	0	0.442	433.499987	0.96651433	0.23124719	43.9369658	3.66141381	0.0931263	0.00857279	1.05106784
	14	441.4143005	8.96538124	2.77563209	7.99791994	8.64795367	0.08440747	7.91351247	433.416381	103.69710	0	0	0.442	432.974855	0.9674613	0.23147376	43.9800146	3.66500211	0.0931263	0.00858118	1.05200964
	15	440.8883878	8.96551889	2.77526678	7.99710961	8.64707747	0.08439892	7.91271069	432.891258	103.571310	0	0	0.441	432.450268	0.96840928	0.23170057	44.0231088	3.66859924	0.0931263	0.00858959	1.05294599
	16	440.3529786	8.96565667	2.77490146	7.99629842	8.64620035	0.08439036	7.91193806	432.36668	103.44759	0	0	0.440	431.926224	0.96935825	0.23192762	44.0662484	3.67218737	0.0931263	0.00859801	1.05388654
	17	439.8381324	8.9657945	2.77453612	7.99548637	8.64532231	0.08438179	7.91110458	431.842646	103.32221	0	0	0.440	431.402724	0.97030823	0.23215491	44.1094335	3.67575813	0.0931263	0.00860644	1.05482809
	18	439.3138285	8.96593268	2.77417077	7.99467347	8.64444334	0.08437321	7.91030026	431.319155	103.19696	0	0	0.439	430.879766	0.97125921	0.23238244	44.1526642	3.67938868	0.0931263	0.00861487	1.05577064
	19	438.7900666	8.96607089	2.77380541	7.99385971	8.64356343	0.08436462	7.90949585	430.796207	103.07184	0	0	0.439	430.357351	0.97221119	0.23261021	44.1959405	3.68299504	0.0931263	0.00862332	1.05671417
	20	438.2668459	8.96620926	2.77344003	7.99304508	8.6426826	0.08435603	7.90868906	430.273801	102.94685	0	0	0.438	429.835477	0.97316417	0.23283822	44.2392624	3.68666052	0.0931263	0.00863177	1.05756897
191	21	437.744166	8.96634776	2.77307464	7.9922296	8.64180084	0.08434742	7.90788218	429.751936	102.82196	0	0	0.438	429.314144	0.97411816	0.23306647	44.28263	3.69021917	0.0931263	0.00864023	1.05860423
	22	437.2122054	8.96648613	2.77270917	7.99141325	8.64094815	0.0843388	7.90707474	429.230611	102.69726	0	0	0.437	428.791323	0.97507216	0.23329407	44.3260434	3.69378247	0.0931263	0.00864871	1.05955076
	23	436.7004264	8.96662521	2.77234382	7.99059605	8.64004355	0.08433018	7.90626587	428.70983	102.57296	0	0	0.437	428.2731	0.97602611	0.23352327	44.3693026	3.69745855	0.0931263	0.00865718	1.06049828
	24	436.1793656	8.96676415	2.77197838	7.98977797	8.63914996	0.08432155	7.90546543	428.189588	102.44818	0	0	0.436	427.753387	0.97698618	0.23375267	44.4130077	3.70108397	0.0931263	0.00866567	1.06144681
	1	435.6588434	8.96690324	2.77161293	7.98895904	8.63826446	0.0843129	7.90464613	427.669884	102.32384	0	0	0.436	427.234213	0.977944	0.23398189	44.4565587	3.70471322	0.0931263	0.00867417	1.06239634
	2	435.138593	8.96704247	2.77124747	7.98813923	8.63737803	0.08430425	7.90384398	427.150747	102.19954	0	0	0.435	426.715578	0.97890324	0.23421135	44.5001557	3.7083463	0.0931263	0.00868267	1.06334686
	3	434.6194127	8.96718184	2.77088499	7.98731856	8.63649065	0.08429559	7.90302297	426.632094	102.07384	0	0	0.435	426.19748	0.97986328	0.23444105	44.5435797	3.71198322	0.0931263	0.00869119	1.06429484
	4	434.1050314	8.96732137	2.7705165	7.98649702	8.6356027	0.08428692	7.9022101	426.114006	101.95158	0	0	0.434	425.67992	0.98082435	0.23467099	44.5874827	3.71562398	0.0931263	0.00869972	1.06525097
	5	433.58213	8.96746104	2.77015099	7.98567461	8.63471309	0.08427824	7.90139637	425.596455	101.82775	0	0	0.434	425.162896	0.98178642	0.23490117	44.631223	3.71926858	0.0931263	0.00870825	1.06620448
	6	433.0642927	8.96760085	2.76978547	7.98485134	8.6338229	0.08426955	7.90058178	425.0794												

22	401.0132031	8.97686063	2.74635936	7.93030339	8.57484155	0.08369387	7.84660952	393.0829	94.0480	0	0	0	0.400	392.682463	1.04655724	0.25039817	47.5756524	3.9646377	0.0931263	0.00928275	1.13040079
23	400.05290721	8.97701031	2.74599278	7.92942127	8.57388775	0.08368456	7.84573671	392.599651	93.93297	0	0	0	0.400	392.199706	1.04758904	0.25064504	47.622557	3.96854642	0.0931263	0.0092919	1.13142344
24	400.0545427	8.97716015	2.74562617	8.57293292	8.57293292	0.08367524	7.84486298	392.116904	93.81747	0	0	0	0.399	391.717451	1.046862193	0.250889217	47.6695116	3.9724593	0.0931263	0.00930106	1.13244717
1	399.5623144	8.97711015	2.74529951	7.92765422	8.57197707	0.08366591	7.84398859	391.63466	93.70209	0	0	0	0.399	391.235698	1.04604592	0.25113996	47.7165161	3.97637634	0.0931263	0.00931021	1.13347199
2	399.0796867	8.97746031	2.74489291	7.92676028	8.57102021	0.08365657	7.84311271	391.152917	93.58683	0	0	0	0.398	390.754446	1.05069102	0.25138721	47.7635708	3.98029796	0.0931263	0.00931942	1.13449791
3	398.597559	8.97761061	2.74452625	7.92588339	8.57006232	0.08364272	7.84223617	390.671676	93.47169	0	0	0	0.398	390.273695	1.05172722	0.25163513	47.8106755	3.98422256	0.0931263	0.00932861	1.13552491
4	398.115931	8.97776108	2.74415958	7.92496656	8.56910341	0.08363786	7.8413587	390.190934	93.35667	0	0	0	0.397	389.793443	1.05276452	0.25188332	47.8578305	3.98815254	0.0931263	0.00933781	1.13655302
5	397.6348021	8.97791171	2.74379288	7.92410878	8.56814348	0.0836285	7.84048029	389.710693	93.24177	0	0	0	0.397	389.313691	1.05380293	0.25213177	47.9050357	3.99208831	0.0931263	0.00934702	1.13758222
6	397.1541717	8.9780625	2.74342617	7.92322006	8.56718252	0.08361912	7.83960094	389.230952	93.12698	0	0	0	0.397	388.834349	1.05484545	0.25238048	47.9522913	3.99604227	0.0931263	0.00935624	1.13861251
7	396.6740995	8.97821346	2.74305642	7.92233038	8.56620252	0.08360973	7.83872065	388.751709	93.01232	0	0	0	0.396	388.355684	1.05588007	0.25263246	47.9995971	3.99996443	0.0931263	0.00936547	1.13964199
8	396.1944049	8.97831656	2.74269268	7.92143975	8.56525752	0.08360033	7.83783943	388.272965	92.89978	0	0	0	0.396	387.877428	1.0569248	0.2528787	48.0469536	4.0039128	0.0931263	0.00937471	1.1406764
9	395.7152673	8.97851582	2.74232591	7.92054818	8.56423948	0.08359092	7.83695726	387.794719	92.78335	0	0	0	0.395	387.399669	1.05796765	0.25312821	48.0943604	4.00786337	0.0931263	0.00938396	1.14170999
10	395.2366264	8.97866725	2.74195565	7.91965565	8.56332841	0.0835815	7.83607415	387.316971	92.66905	0	0	0	0.395	386.922407	1.0590116	0.25337799	48.1418178	4.0118185	0.0931263	0.00939322	1.14274469
11	394.7584815	8.97881884	2.74159231	7.91876216	8.56236231	0.08357207	7.83519009	386.839719	92.55486	0	0	0	0.394	386.445642	1.06005667	0.25362803	48.1893259	4.01577762	0.0931263	0.00940249	1.14378049
12	394.2808323	8.97897058	2.74122540	7.91786772	8.56139517	0.08356265	7.83430509	386.362965	92.44075	0	0	0	0.394	385.969373	1.06110286	0.25387834	48.2368864	4.01974038	0.0931263	0.00941177	1.14481739
13	393.8026782	8.97912240	2.74085864	7.91697233	8.56042701	0.08355318	7.83345195	385.886706	92.32694	0	0	0	0.393	385.4936	1.06215016	0.25412892	48.28484	4.02370784	0.0931263	0.00942106	1.14585541
14	393.3270187	8.97927455	2.74049178	7.91607598	8.5594578	0.08354372	7.83253256	385.410943	92.21301	0	0	0	0.393	385.018321	1.06319858	0.25437976	48.3321543	4.02767952	0.0931263	0.00943053	1.14689452
15	392.8508533	8.97942678	2.74012489	7.91517867	8.55848756	0.08353425	7.83164442	384.935675	92.09930	0	0	0	0.392	384.545337	1.06424812	0.25463087	48.3798654	4.03155545	0.0931263	0.00943966	1.14793475
16	392.3751816	8.97959717	2.73975799	7.9142804	8.55751629	0.08352477	7.83075563	384.460901	91.98571	0	0	0	0.392	384.069247	1.06529877	0.25488225	48.4276274	4.03536562	0.0931263	0.00944884	1.14897609
17	391.900003	8.97973712	2.73939317	7.91338117	8.55654397	0.08351528	7.82985589	383.986622	91.87223	0	0	0	0.391	383.595451	1.06635055	0.2551339	48.4754005	4.03962004	0.0931263	0.00945831	1.15001854
18	391.425317	8.97988843	2.73900213	7.91248007	8.55557062	0.08350578	7.8289752	383.512836	91.75887	0	0	0	0.391	383.122148	1.06740345	0.25538581	48.5233045	4.04360871	0.0931263	0.00946765	1.1510621
19	390.951232	8.9800733	2.73865716	7.91157982	8.55459622	0.08349627	7.82808353	383.039543	91.64563	0	0	0	0.390	382.649338	1.06845748	0.255638	48.5721297	4.04760164	0.0931263	0.009477	1.15210678
20	390.4774211	8.98019033	2.73829018	7.9106777	8.55362078	0.08348675	7.82719095	382.566743	91.53251	0	0	0	0.390	382.177019	1.06951263	0.25589045	48.619186	4.05159883	0.0931263	0.00948636	1.15315257
21	390.0042101	8.98034352	2.73792318	7.90977462	8.5526443	0.08347722	7.8262974	382.094435	91.41951	0	0	0	0.389	381.705192	1.07056891	0.25614318	48.6672036	4.0556003	0.0931263	0.00949573	1.15419948
22	389.5314898	8.98049688	2.73755616	7.90887057	8.55166677	0.08346768	7.82540289	381.622619	91.30662	0	0	0	0.389	381.233857	1.07162631	0.25639617	48.7152724	4.05960604	0.0931263	0.00950511	1.15524751
23	389.0592597	8.98065054	2.73718913	7.90796555	8.55068882	0.08345812	7.82450742	381.151294	91.19385	0	0	0	0.388	380.763012	1.07268485	0.25664943	48.7633926	4.06361065	0.0931263	0.00951435	1.15629689
24	388.5751912	8.98080406	2.73682789	7.90705566	8.54970858	0.08344856	7.8236111	380.68046	91.08120	0	0	0	0.388	380.290575	1.07374452	0.25690207	48.8115647	4.06753035	0.0931263	0.00952359	1.15734692
1	388.116258	8.98095792	2.73654599	7.90615261	8.54872791	0.08343899	7.82273161	380.201115	90.96867	0	0	0	0.387	379.827292	1.07480736	0.25715678	48.8597873	4.07146894	0.0931263	0.00953331	1.15839831
2	387.6455055	8.98111193	2.73608789	7.90524468	8.54774619	0.08342941	7.82185127	379.740261	90.85625	0	0	0	0.387	379.353416	1.07586725	0.25741085	48.9080619	4.07567183	0.0931263	0.00954272	1.15945083
3	387.1752312	8.9812661	2.73572077	7.90433578	8.54676342	0.08341982	7.82091596	379.270895	90.74395	0	0	0	0.386	378.884529	1.07693032	0.2576652	48.9563881	4.07969091	0.0931263	0.00955215	1.16050447
4	386.7054447	8.98142043	2.73535363	7.90342591	8.5457796	0.08341021	7.82001559	378.802019	90.63177	0	0	0	0.386	378.41613	1.07799452	0.25791982	49.004766	4.0837305	0.0931263	0.00956159	1.16155923
5	386.2361454	8.98157492	2.73498648	7.90251506	8.54479472	0.0834006	7.81911446	378.33363	90.51970	0	0	0	0.385	377.948218	1.07905986	0.25817471	49.0531956	4.0877663	0.0931263	0.00957104	1.16265132
6	385.7671229	8.98172404	2.73461407	7.90160879	8.54381908	0.08339098	7.81821226	377.86521	90.40775	0	0	0	0.384	377.480294	1.08012926	0.25843078	49.1015769	4.0918214	0.0931263	0.00958089	1.16319714
7	385.2990066	8.98188484	2.73423521	7.90069044	8.54282118	0.08338135	7.81739009	377.398316	90.29592	0	0	0	0.384	377.013857	1.08119397	0.25868532	49.1502102	4.09580585	0.0931263	0.00959097	1.1647303
8	384.8311661	8.98202939	2.73388488	7.89977666	8.54183375	0.0833717	7.81640496	376.931389	90.18420	0	0	0	0.384	376.547406	1.08226273	0.25894103	49.1987953	4.09989691	0.0931263	0.00959945	1.16578958
9	384.363811	8.98219454	2.73351764	7.8988619	8.54084465	0.08336205	7.81549985	376.464949	90.07260	0	0	0	0.384	376.081441	1.08332624	0.25919701	49.2474324	4.1039527	0.0931263	0.00960894	1.16685
10	383.896407	8.98234985	2.73315038	7.89794617	8.53985449	0.08335238	7.81459378	375.998995	89.96112	0	0	0	0.383	375.615961	1.08440369	0.25945327	49.2961215	4.10801032	0.0931263	0.00961844	1.16791155
11	383.4305447	8.98250763	2.73278713	7.89707145	8.53886326	0.08334271	7.81368366	375.533525	89.85075	0	0	0	0.383	375.150966	1.08547096	0.25970988	49.3448827	4.11203189	0.0931263	0.00962795	1.16897423
12	382.9646525	8.98266097	2.73241581	7.89611175	8.53787097	0.08333302	7.81277872	375.068541	89.73850	0	0	0	0.382	374.686455	1.08654923	0.25996661	49.3938661	4.1161138	0.0931263	0.00963747	1.17003806
13	382.4992338	8.98281678	2.73204849	7.89519306	8.53688762	0.08332333	7.81186973	374.604041	89.62736	0	0	0	0.382	374.222428	1.08762372	0.26022369	49.4425016	4.12020847	0.0931263	0.009647	1.17110302
14	382.0342979	8.98297275	2.73168115	7.89427339	8.53588832	0.08331362	7.81095977	374.140024	89.51634	0	0	0	0.381	373.758885	1.08869936	0.26048105	49.4913995	4.12428329	0.0931263	0.00965654	1.17216912
15	381.5689444	8.98312889	2.73131379	7.89335273	8.53488772	0.08330391	7.81004883	373.676492	89.40543	0	0	0	0.381	373.295824	1.08977616	0.26073868	49.5403497	4.12836428	0.0931263	0.00966609	1.17323637
16	381.1058728	8.98328519	2.7309464	7.89243109	8.53389117	0.08329418															

24	355.8779648	8.99230825	2.71033827	7.83920573	8.4763399	0.08273246	7.75647328	348.038759	83.27138	0	0	0	0.355	347.684209	1.15310252	0.27589008	52.4191152	4.3682596	0.001263	0.01022778	1.23600103
197	1	355.406821	8.99247431	2.70996962	7.83825279	8.47528032	0.08272211	7.75550368	347.602456	0	0	0	0.354	347.248351	1.15424852	0.27616427	52.4712116	4.3726096	0.001263	0.01028179	1.23713687
	2	355.003842	8.99240545	2.70960931	7.83724479	8.47421958	0.08271176	7.75453303	347.166609	83.16699	0	0	0.354	346.812948	1.15559976	0.27643876	52.5233641	4.37694701	0.001263	0.01024393	1.23827393
	3	354.557406	8.99240606	2.70921223	7.83626273	8.47315771	0.08270214	7.75356133	346.731218	82.95854	0	0	0.353	346.378	1.15564423	0.27671384	52.5755729	4.38129774	0.001263	0.01025891	1.23941212
	4	354.135161	8.99297356	2.7088635	7.83527961	8.47200644	0.08269102	7.75258589	346.296281	82.85448	0	0	0.353	345.943506	1.15769395	0.27698862	52.6278381	4.38565317	0.001263	0.01026851	1.24055174
	5	353.696048	8.99314033	2.70849474	7.83429542	8.47103051	0.08268063	7.75161479	345.861799	82.75053	0	0	0.352	345.509467	1.15884491	0.277264	52.6801596	4.3900133	0.001263	0.01027872	1.24169249
	6	353.2610816	8.99330728	2.70812596	7.83310107	8.46996518	0.08267024	7.75063994	345.424771	82.64668	0	0	0.352	345.075881	1.1599971	0.27753967	52.7325376	4.39437814	0.001263	0.01028894	1.24283447
	7	352.8265209	8.9934744	2.70785176	7.83232386	8.4688987	0.08265983	7.74966403	344.994197	82.54294	0	0	0.351	344.642748	1.16115055	0.27781564	52.7849722	4.39874768	0.001263	0.01029991	1.24397768
	8	352.3924123	8.99361471	2.70758833	7.83133648	8.46781073	0.08264977	7.74868077	344.567076	82.439312	0	0	0.351	344.210688	1.16230523	0.27809191	52.8374633	4.40312194	0.001263	0.01030944	1.24512112
	9	351.9587554	8.99380919	2.70731948	7.83034803	8.46676228	0.08263971	7.74770905	344.128407	82.33580	0	0	0.351	343.777841	1.16346117	0.27836848	52.8900112	4.40750093	0.001263	0.01031964	1.24626781
	10	351.5255497	8.99397686	2.7066506	7.82935851	8.46565024	0.08262853	7.74672998	343.696191	82.23232	0	0	0.350	343.346065	1.16461835	0.27864531	52.9426157	4.41188465	0.001263	0.01032993	1.24741472
	11	351.0927947	8.9941447	2.7062817	7.82836792	8.46462124	0.08261808	7.74574984	343.264427	82.12908	0	0	0.350	342.91474	1.16577678	0.27892251	52.9952771	4.41627309	0.001263	0.0103402	1.24856288
	12	350.66049	8.99431272	2.70591277	7.82737626	8.46354898	0.08260761	7.74476865	342.833114	82.02589	0	0	0.349	342.483867	1.16693647	0.27919998	53.0047954	4.42066628	0.001263	0.01035049	1.24971228
	13	350.2286352	8.99448092	2.70554382	7.82638352	8.46247556	0.08259713	7.74378639	342.400252	81.92280	0	0	0.348	342.053443	1.16809794	0.27947774	53.1007706	4.42506422	0.001263	0.01036079	1.25086292
	14	349.7972297	8.99461493	2.70517484	7.82538871	8.46140098	0.08258655	7.74280307	341.97184	81.81982	0	0	0.348	341.62347	1.16925959	0.27975758	53.1538028	4.4293669	0.001263	0.01037109	1.2520148
	15	349.3662733	8.99481787	2.70480584	7.82439483	8.46025254	0.08257515	7.74181868	341.541878	81.71695	0	0	0.348	341.193947	1.17042304	0.28003417	53.2054922	4.43387435	0.001263	0.01038141	1.25316792
	16	348.9357653	8.99498661	2.70436481	7.82339887	8.45922483	0.08256564	7.74083323	341.112366	81.61418	0	0	0.347	340.764872	1.17158774	0.28031283	53.2594386	4.43828655	0.001263	0.01039174	1.25432323
	17	348.5057054	8.99515553	2.70406776	7.82240173	8.45817025	0.08255511	7.73984671	340.683304	81.51152	0	0	0.347	340.336246	1.17275737	0.2805918	53.3124423	4.44270353	0.001263	0.01040209	1.25547792
	18	348.076093	8.99532463	2.70369888	7.82140371	8.45709101	0.08254548	7.73885913	340.254689	81.40897	0	0	0.347	339.908069	1.17392093	0.28087107	53.3655033	4.44712528	0.001263	0.01041244	1.25663479
	19	347.6469279	8.99549391	2.70332958	7.8204045	8.45601006	0.08253403	7.73787047	339.828523	81.30653	0	0	0.346	339.480339	1.17508841	0.28115064	53.4186217	4.45155181	0.001263	0.0104228	1.25779291
	20	347.2182095	8.99566338	2.70290645	7.81940422	8.45492902	0.08252348	7.73688074	339.398805	81.20420	0	0	0.346	339.053057	1.17625916	0.28143051	53.4717975	4.45598312	0.001263	0.01043318	1.25895228
	21	346.7899174	8.99583302	2.7025913	7.81840285	8.45384626	0.08251291	7.73588994	338.971534	81.10197	0	0	0.345	338.626221	1.17743017	0.28171069	53.5250308	4.46041923	0.001263	0.01044357	1.26011291
	22	346.362111	8.99600285	2.7022212	7.8174004	8.45276234	0.08250233	7.73489807	338.544711	80.99985	0	0	0.345	338.199832	1.17860245	0.28199117	53.5783217	4.46486014	0.001263	0.01045396	1.26127479
	23	345.9347301	8.99617286	2.70185291	7.81639686	8.45167723	0.08249174	7.73390512	338.118333	80.89783	0	0	0.344	337.773889	1.179776	0.28227195	53.6316702	4.46930585	0.001263	0.01046437	1.26243792
	24	345.5077942	8.99634305	2.70148368	7.81539223	8.45059096	0.08248114	7.7329111	337.692402	80.79592	0	0	0.344	337.348392	1.18095081	0.28255303	53.6850674	4.47375637	0.001263	0.01047479	1.26360322
198	1	345.0813027	8.99651342	2.70111442	7.81438652	8.4495035	0.08247052	7.731916	337.266916	80.69412	0	0	0.344	336.923339	1.1821269	0.28284842	53.7385404	4.4782117	0.001263	0.01048522	1.26476798
	2	344.6525253	8.99668771	2.70074583	7.81337971	8.44841487	0.08246199	7.73093927	336.841887	80.59243	0	0	0.343	336.4981973	1.18331651	0.28312612	53.7930262	4.48247352	0.001263	0.01049561	1.26593489
	3	344.2296515	8.99685471	2.70037583	7.81237182	8.44732505	0.08244926	7.72992256	336.41728	80.49048	0	0	0.343	336.074568	1.18448229	0.28339812	53.8456421	4.48713584	0.001263	0.01050612	1.26710308
	4	343.8044099	8.99702563	2.7000065	7.81136283	8.44623406	0.08243861	7.72892422	335.993128	80.38936	0	0	0.342	335.650849	1.18566281	0.28368042	53.8992798	4.49160665	0.001263	0.01051659	1.26827522
	5	343.379773	8.99719674	2.69963714	7.81035274	8.44514188	0.08242795	7.72792479	335.56942	80.28793	0	0	0.342	335.225733	1.18684399	0.28396303	53.9529757	4.49608131	0.001263	0.01052706	1.26944323
	6	342.9554974	8.99736802	2.69926775	7.80934156	8.44404855	0.08241728	7.72692428	335.146156	80.18671	0	0	0.341	334.804783	1.18802646	0.28424595	54.0067297	4.50056081	0.001263	0.01053755	1.27061521
	7	342.5316637	8.99753949	2.69889834	7.80832928	8.44295396	0.0824066	7.72592029	334.723334	80.08555	0	0	0.341	334.382349	1.18921021	0.28452917	54.0605418	4.50504515	0.001263	0.01054805	1.27178846
	8	342.1082714	8.99771037	2.6984249	7.80737025	8.44185822	0.08239524	7.72492024	334.300955	79.98449	0	0	0.341	333.967159	1.19039832	0.2848137	54.1144122	4.50953486	0.001263	0.01055857	1.27292927
	9	341.68532	8.99788298	2.69815944	7.80630143	8.4407613	0.08238519	7.72391624	333.879019	79.88354	0	0	0.340	333.538893	1.19158155	0.28509653	54.1683411	4.51402483	0.001263	0.01056909	1.27413876
	10	341.2628092	8.998055	2.69778995	7.80525886	8.43966318	0.08237448	7.72291138	333.457253	79.78269	0	0	0.340	333.117827	1.19276915	0.28538068	54.2223283	4.51852736	0.001263	0.01057962	1.27531583
	11	340.8407385	8.99822721	2.69742043	7.80426918	8.43856387	0.08236375	7.72190543	333.036469	79.68135	0	0	0.339	332.697022	1.19395803	0.28566513	54.276374	4.5230317	0.001263	0.01059016	1.27649417
	12	340.4191075	8.99839996	2.69705089	7.8032514	8.43746373	0.08235301	7.72089839	332.615856	79.58192	0	0	0.339	332.277017	1.19514482	0.28594989	54.3304783	4.52753986	0.001263	0.01060072	1.27767378
	13	339.9979157	8.99857217	2.69669132	7.80223625	8.43636167	0.08234225	7.71989256	332.195681	79.48979	0	0	0.338	331.857272	1.19633208	0.28623795	54.3846412	4.53205433	0.001263	0.01061129	1.27885468
	14	339.5776126	8.99874049	2.69631172	7.80122152	8.43525878	0.08233149	7.71888103	331.77595	79.38036	0	0	0.338	331.437967	1.19753242	0.28652033	54.4388628	4.5365719	0.001263	0.01062187	1.28003685
	15	339.1568479	8.99891878	2.6959441	7.80001942	8.43415469	0.08232071	7.71787071	331.356657	79.28004	0	0	0.338	331.0191	1.19872646	0.28680602	54.4931432	4.54109526	0.001263	0.01063246	1.28120203
	16	338.7369712	8.99909101	2.69557245	7.79919612	8.43300494	0.08230992	7.71685928	330.937802	79.17983	0	0	0.337	330.600673	1.1999218	0.28709201	54.5474824	4.54562533	0.001263	0.01064306	1.28240504
	17	338.3175319	8.99926433	2.69520277	7.79814589	8.4319429	0.08229912	7.71584676	330.519386	79.07972	0	0	0.337	330.182683	1.20111844	0.28737832	54.6018805	4.55015671	0.001263	0.01065368	1.28359106
	18	337.8885297	8.99943783	2.69483037	7.79712145	8.43083521	0.08228831	7.71483314	330.101408	78.97971	0	0	0.336	329.761531	1.20231637	0.28766494	54.6563				

2	315.1187069	0.00945761	2.67408478	7.73793642	8.36683989	0.08166369	7.65627273	307.380771	73.54360	0	0	0	0.313	307.067639	1.2715212	0.30422281	57.8023334	4.81686112	0.031263	0.01127813	1.35336936
3	314.7239117	0.00964209	2.67371343	7.73684632	8.36566162	0.08165219	7.65519414	306.987065	73.44940	0	0	0	0.313	306.674335	1.27279577	0.30452776	57.8602743	4.82168953	0.031263	0.01128944	1.35463263
4	314.3295289	0.00986269	2.67344205	7.73575503	8.36444812	0.08164607	7.65411436	306.583774	73.35530	0	0	0	0.312	306.281444	1.27407173	0.30483804	57.9312875	4.82652321	0.031263	0.01130076	1.35589727
5	313.9355584	0.0101164	2.67297065	7.73466255	8.36329994	0.08162014	7.65303341	306.200896	73.26130	0	0	0	0.312	305.888965	1.27534909	0.30513866	57.9763461	4.83136218	0.031263	0.01131209	1.35716163
6	313.5419996	0.01019671	2.67259091	7.73356887	8.36211737	0.08161176	7.65195128	305.808431	73.16740	0	0	0	0.312	305.496901	1.27662784	0.30544662	58.0344772	4.83626043	0.031263	0.01132343	1.35843071
7	313.1488522	0.01038199	2.67222774	7.732474	8.36093351	0.08160604	7.65086795	305.416378	73.07360	0	0	0	0.311	305.105248	1.27790799	0.3057509	58.0926718	4.84105599	0.031263	0.01133478	1.35969951
8	312.7561157	0.01056746	2.67185624	7.73137792	8.35974833	0.08159448	7.64978345	305.024738	72.97899	0	0	0	0.311	304.714006	1.27918954	0.30605753	58.1509301	4.84591084	0.031263	0.01134615	1.36096969
9	312.3637897	0.01075314	2.67148471	7.73028065	8.35856189	0.0815829	7.64869775	304.633509	72.88629	0	0	0	0.310	304.323176	1.28047249	0.30636448	58.209252	4.850771	0.031263	0.01135753	1.36224126
10	311.9718739	0.01094001	2.67111315	7.72918217	8.35737414	0.0815713	7.64761087	304.242692	72.79278	0	0	0	0.310	303.937257	1.28175684	0.30667178	58.2676377	4.8556847	0.031263	0.01136892	1.36351422
11	311.5803784	0.01112509	2.67074156	7.72808249	8.35618508	0.0815597	7.64652279	303.852285	72.69917	0	0	0	0.310	303.541274	1.28302941	0.30697941	58.3286577	4.86050727	0.031263	0.01138031	1.36478858
12	311.189271	0.01131137	2.67030893	7.7269816	8.35497971	0.08154808	7.64543352	303.482269	72.60606	0	0	0	0.309	303.15315	1.28432707	0.30728737	58.3846007	4.86538339	0.031263	0.01139174	1.36606433
13	310.7985831	0.01149785	2.66999827	7.72587951	8.35380305	0.08153645	7.64434306	303.077204	72.51285	0	0	0	0.309	302.763961	1.28561834	0.30759567	58.4431782	4.87026485	0.031263	0.01140317	1.36734147
14	310.4083037	0.01168453	2.66962659	7.7247762	8.35261008	0.0815248	7.6432514	302.683527	72.41974	0	0	0	0.308	302.375181	1.28690832	0.30790431	58.5018198	4.87515165	0.031263	0.01141461	1.36862011
15	310.0184324	0.01187411	2.66925487	7.72367169	8.3514158	0.08151315	7.64215855	302.294761	72.32672	0	0	0	0.308	301.98681	1.28819972	0.30821329	58.5605255	4.8800438	0.031263	0.01142607	1.36989995
16	309.6289688	0.0120585	2.66888312	7.72256597	8.35022021	0.08150148	7.64106449	301.906403	72.23380	0	0	0	0.308	301.598848	1.28949252	0.30852852	58.6192955	4.88494129	0.031263	0.01143754	1.37118129
17	309.2399125	0.01224578	2.66851133	7.72145904	8.3490233	0.08148979	7.63996924	301.518454	72.14098	0	0	0	0.307	301.211294	1.29078675	0.30883226	58.6781299	4.88984415	0.031263	0.01144902	1.37246403
18	308.8512631	0.01243327	2.66813952	7.72035089	8.34782509	0.0814781	7.63887279	301.130912	72.04826	0	0	0	0.307	300.824147	1.29208239	0.30914226	58.7370286	4.89475238	0.031263	0.01146051	1.37374818
19	308.4630202	0.01262097	2.66776767	7.71924152	8.34662556	0.08146639	7.63777513	300.743779	71.95564	0	0	0	0.306	300.437408	1.29337944	0.30945259	58.7959918	4.89965898	0.031263	0.01147201	1.37503373
20	308.0751834	0.01280887	2.66739579	7.71813094	8.34542472	0.08145467	7.63667627	300.357052	71.86311	0	0	0	0.306	300.051076	1.29467792	0.30976326	58.8550195	4.90458496	0.031263	0.01148353	1.37632069
21	307.6877523	0.01299697	2.66702388	7.71701914	8.34422256	0.08144294	7.63557621	299.970733	71.77068	0	0	0	0.306	299.66515	1.29597782	0.31007427	58.9141119	4.90950933	0.031263	0.01149506	1.37760906
22	307.3007264	0.01318527	2.66665194	7.71590613	8.34301908	0.08143119	7.63447493	299.58482	71.67835	0	0	0	0.305	299.27963	1.29727914	0.31038563	58.973269	4.91443009	0.031263	0.0115066	1.37889884
23	306.9141054	0.01337378	2.66627997	7.71479188	8.34181428	0.08141943	7.63332745	299.199314	71.58611	0	0	0	0.305	298.894516	1.29858189	0.31069732	59.0324909	4.91937424	0.031263	0.01151816	1.38019004
24	306.5278889	0.01356249	2.66590796	7.71367642	8.34060815	0.08140766	7.63226876	298.814212	71.49397	0	0	0	0.304	298.508088	1.29988607	0.31100936	59.0917777	4.92431481	0.031263	0.01152972	1.38148265
25	306.1420765	0.01375141	2.66553592	7.71255973	8.33940077	0.08139587	7.63116386	298.429517	71.40193	0	0	0	0.304	298.125504	1.30119167	0.31132173	59.1511295	4.92926079	0.031263	0.01154131	1.38277661
26	305.7566677	0.01394053	2.66516385	7.71144182	8.33819193	0.08138408	7.63005774	298.045226	71.30998	0	0	0	0.304	297.741605	1.30249871	0.31163445	59.2105462	4.93421219	0.031263	0.0115529	1.38407211
27	305.3716623	0.01412986	2.66479174	7.71032268	8.33698414	0.08137227	7.62895041	297.66134	71.21814	0	0	0	0.303	297.358109	1.30380718	0.31194572	59.2700281	4.93916901	0.031263	0.0115645	1.38536867
28	304.9870597	0.01431921	2.66441961	7.70920211	8.33577041	0.08136044	7.62784187	297.27785	71.12638	0	0	0	0.303	296.974502	1.30511708	0.31225672	59.3295753	4.94413177	0.031263	0.01157612	1.38667252
29	304.6025956	0.01450912	2.66404774	7.70808071	8.33455765	0.08134866	7.6267321	296.894779	71.03473	0	0	0	0.302	296.592320	1.30642842	0.31257467	59.3891876	4.94909897	0.031263	0.01158775	1.38796666
30	304.2190615	0.01469907	2.66367524	7.70695788	8.33334356	0.08133675	7.62562112	296.512104	70.94317	0	0	0	0.302	296.210044	1.30774119	0.31288876	59.4488653	4.95407211	0.031263	0.0115994	1.38926181
31	303.8356652	0.01488922	2.663303	7.70583381	8.33212813	0.08132489	7.62450892	296.129831	70.85171	0	0	0	0.302	295.828161	1.30905541	0.3132032	59.5086085	4.95905071	0.031263	0.01161106	1.39057065
32	303.4526701	0.01507957	2.66293073	7.70470851	8.33091137	0.08131302	7.62339549	295.747962	70.76034	0	0	0	0.301	295.44668	1.31037106	0.31351798	59.5684171	4.96403476	0.031263	0.01162272	1.39187464
33	303.070076	0.01527013	2.66255843	7.70358197	8.32969327	0.08130113	7.62228084	295.366494	70.66907	0	0	0	0.301	295.065601	1.31168816	0.3138331	59.6282914	4.96904248	0.031263	0.01163441	1.39318006
34	302.6878823	0.01546021	2.66218424	7.70247913	8.32847884	0.0812892	7.62116493	294.984528	70.57790	0	0	0	0.301	294.687022	1.31297671	0.31414086	59.6882317	4.97409329	0.031263	0.01164611	1.39448673
35	302.3060887	0.01565188	2.66181373	7.70132518	8.32725306	0.08127731	7.62004787	294.604764	70.48682	0	0	0	0.300	294.304647	1.31432467	0.31446441	59.7482371	4.97901975	0.031263	0.01165781	1.39579519
36	301.9246948	0.01584306	2.66144133	7.70019492	8.32603094	0.08126538	7.61892954	294.2245	70.39584	0	0	0	0.300	293.924771	1.31564814	0.31478057	59.8083086	4.98402572	0.031263	0.01166953	1.39710041
37	301.5437003	0.01603445	2.6610689	7.69906342	8.32480784	0.08125344	7.61780999	293.844637	70.30495	0	0	0	0.299	293.545295	1.31697102	0.31509708	59.8684461	4.98903717	0.031263	0.01168126	1.39841606
38	301.1631046	0.01622605	2.66069644	7.69793068	8.32358267	0.08124148	7.6166892	293.461574	70.21416	0	0	0	0.299	293.166218	1.31829536	0.31541394	59.9286495	4.9940543	0.031263	0.01169301	1.39972865
39	300.7820675	0.01641785	2.66032425	7.69679649	8.32235652	0.08122952	7.61556718	293.086111	70.12347	0	0	0	0.299	292.791754	1.31962195	0.31573115	59.9889191	4.99907859	0.031263	0.01170477	1.40104269
40	300.4031085	0.01660987	2.65995154	7.69546146	8.32112902	0.08121754	7.61444392	292.707447	70.03287	0	0	0	0.298	292.409263	1.32094841	0.31604871	60.0492548	5.00410586	0.031263	0.01171654	1.40235817
41	300.0237072	0.01680209	2.65957884	7.69452497	8.31990017	0.08120554	7.61331943	292.329182	69.94237	0	0	0	0.298	292.031384	1.32227712	0.31636661	60.1096567	5.00913066	0.031263	0.01172833	1.40367509
42	299.6447032	0.01699452	2.65920624	7.69332744	8.31866996	0.08119353	7.61213917	291.951316	69.85196	0	0	0	0.297	291.653903	1.32360728	0.31668487	60.170125	5.01417708	0.031263	0.01174013	1.40499346
43	299.2660962	0.01718716	2.6588336	7.69224825	8.3174384	0.08118151	7.61106674	291.573848	69.76165	0	0	0	0.297	291.276819	1.32493891	0.31700347	60.2306597	5.01922164	0.031263	0.01175194	1.40631327
44	298.8878858	0.01738001	2.65846044	7.69110801	8.31620549	0.08116948	7.60993853														

	4	278.3290727	0.02852152	2.63753547	7.6252058	8.24494705	0.08047397	7.54473183	270.703867	64.76832	0	0	0	0.276	270.428098	1.40331572	0.33575582	63.7936066	5.31613388	0.031263	0.01244712	1.4839949
	5	277.927802	0.02872672	2.63716076	7.62399151	8.24363407	0.08046115	7.54353035	270.348839	64.68338	0	0	0	0.275	270.073432	1.40473522	0.33609545	63.8581359	5.32151133	0.031263	0.01245972	1.4854018
	6	277.6169622	0.02893216	2.6367876	7.62277587	8.24231963	0.08044832	7.54232754	269.994186	64.59852	0	0	0	0.275	269.719141	1.40615629	0.33643546	63.9227367	5.32689472	0.031263	0.01247232	1.48881027
	7	277.2614684	0.02913781	2.63641122	7.62155888	8.24100373	0.08043548	7.54112234	269.63991	64.51376	0	0	0	0.275	269.365225	1.40757893	0.33677584	63.9874089	5.33228407	0.031263	0.01248494	1.4882203
	8	276.9063483	0.0293437	2.63603639	7.62034054	8.23966637	0.08042262	7.53991792	269.286008	64.42908	0	0	0	0.274	269.011684	1.40900315	0.33711659	64.0521527	5.33767939	0.031263	0.01249577	1.48963188
	9	276.5516015	0.0295498	2.63566152	7.61912086	8.23836755	0.08040975	7.53871111	268.932481	64.34450	0	0	0	0.274	268.658517	1.41042895	0.33745773	64.1169682	5.34308068	0.031263	0.01251022	1.49104503
	10	276.1972278	0.02975614	2.63528662	7.61789982	8.23704727	0.08039686	7.53750295	268.579328	64.26000	0	0	0	0.274	268.305724	1.41185632	0.33779924	64.1818554	5.34848795	0.031263	0.01252588	1.49245974
	11	275.8322267	0.02996269	2.63491167	7.61667742	8.23572523	0.08038396	7.53629346	268.226549	64.17650	0	0	0	0.273	267.953304	1.41328527	0.33814113	64.2468415	5.35390321	0.031263	0.01253555	1.49387602
	12	275.4895979	0.03016948	2.63453669	7.61545367	8.23440232	0.08037105	7.53508262	267.874144	64.09128	0	0	0	0.273	267.601258	1.41471581	0.33848844	64.3118456	5.35932406	0.031263	0.01254824	1.49529387
	13	275.136341	0.03037640	2.63416122	7.61422856	8.23307764	0.08035812	7.53387054	267.522112	64.00706	0	0	0	0.272	267.249585	1.41614793	0.33882605	64.3790489	5.36474572	0.031263	0.01256094	1.49671329
	14	274.7843557	0.03058373	2.63378661	7.61300209	8.23175149	0.08034518	7.53265692	267.170454	63.92292	0	0	0	0.272	266.898285	1.41758164	0.33916907	64.4421238	5.37017698	0.031263	0.01257366	1.49813428
	15	274.4309415	0.0307912	2.63341152	7.61177426	8.23042386	0.08033222	7.53144205	266.819167	63.83887	0	0	0	0.272	266.547356	1.41901693	0.33951248	64.5073712	5.37561426	0.031263	0.01258639	1.49955684
	16	274.0787982	0.03099889	2.63303638	7.61054507	8.22909477	0.08031924	7.53022583	266.468253	63.75491	0	0	0	0.271	266.196799	1.42045382	0.33985627	64.5726908	5.38105757	0.031263	0.01259914	1.50098098
	17	273.7270253	0.03120681	2.63266162	7.60931451	8.22776474	0.08030626	7.52900826	266.117711	63.67104	0	0	0	0.271	265.846614	1.4218923	0.34020044	64.6380829	5.38650091	0.031263	0.01261119	1.5024067
	18	273.3756225	0.03141496	2.63228699	7.60808259	8.22643215	0.08029326	7.52778933	265.767594	63.58726	0	0	0	0.271	265.4968	1.42333237	0.34054809	64.7035474	5.39196228	0.031263	0.01262467	1.503884
	19	273.0245894	0.03162333	2.63191074	7.60684893	8.22509862	0.08028024	7.52656905	265.41774	63.50357	0	0	0	0.270	265.147357	1.42477404	0.34088992	64.7698485	5.39742371	0.031263	0.01263746	1.50526268
	20	272.6739257	0.03183194	2.63153554	7.60561464	8.22376361	0.08026721	7.52534743	265.068311	63.41996	0	0	0	0.270	264.798284	1.4262173	0.34123523	64.8346942	5.40289118	0.031263	0.01265026	1.50669335
	21	272.323631	0.03204077	2.63116011	7.6043786	8.22242712	0.08025417	7.52412444	264.719252	63.33645	0	0	0	0.270	264.44958	1.42766217	0.34158093	64.9003767	5.40836472	0.031263	0.01266307	1.5081254
	22	271.9737049	0.03224984	2.63078474	7.6031412	8.22108914	0.08024111	7.52290009	264.370564	63.25302	0	0	0	0.269	264.101247	1.42910864	0.34192701	64.966132	5.41384433	0.031263	0.0126759	1.50955004
	23	271.6241471	0.03245913	2.63040933	7.60190242	8.21974968	0.08022803	7.52167439	264.022245	63.16968	0	0	0	0.269	263.753283	1.43055671	0.34227347	65.0319602	5.41933002	0.031263	0.01268875	1.51099426
	24	271.2749572	0.03266865	2.63003388	7.60066226	8.21840873	0.08021494	7.52044732	263.674295	63.08643	0	0	0	0.269	263.405688	1.43200639	0.34262032	65.097861	5.42482179	0.031263	0.01270161	1.51243108
	1	270.9261348	0.0328784	2.62965839	7.59942073	8.21706629	0.08020184	7.51921888	263.326714	63.00327	0	0	0	0.268	263.058461	1.43345768	0.34296756	65.1638358	5.43031965	0.031263	0.01271448	1.5138695
	2	270.5776797	0.03308838	2.62928286	7.59817781	8.21572235	0.08018872	7.51798909	262.979502	62.92020	0	0	0	0.268	262.711602	1.43491057	0.34331518	65.2298833	5.43582361	0.031263	0.01272736	1.51530951
	3	270.2259513	0.0332986	2.62890737	7.59693352	8.21437693	0.08017559	7.51675792	262.632658	62.83721	0	0	0	0.268	262.365112	1.43636508	0.34366318	65.2960041	5.44133367	0.031263	0.01274027	1.51675112
	4	269.8818694	0.03350904	2.62853168	7.59568784	8.21303	0.08016245	7.51552539	262.286182	62.75431	0	0	0	0.267	262.018988	1.4378212	0.34401157	65.3621983	5.44684085	0.031263	0.01275318	1.5181942
	5	269.5345137	0.03371971	2.62815631	7.5944077	8.21168158	0.08014629	7.51429149	261.940073	62.67150	0	0	0	0.267	261.673232	1.43927928	0.34436035	65.4284659	5.45237216	0.031263	0.01276611	1.51963913
	6	269.1875236	0.03393062	2.62778016	7.59319212	8.2103161	0.08013161	7.51305621	261.594331	62.58878	0	0	0	0.266	261.321941	1.44073932	0.34471487	65.4948077	5.45790393	0.031263	0.01277906	1.52108555
	7	268.840899	0.03414175	2.62740461	7.59194248	8.20898024	0.08011292	7.51181956	261.248956	62.50615	0	0	0	0.266	260.98282	1.44219928	0.34505906	65.5621229	5.46345316	0.031263	0.01279201	1.52252356
	8	268.4946394	0.03435312	2.62702884	7.59069125	8.20762732	0.08010971	7.51058153	260.903948	62.42360	0	0	0	0.266	260.631863	1.44361867	0.345409	65.6277105	5.46897587	0.031263	0.01280499	1.52398319
	9	268.1487444	0.03456472	2.62665303	7.58943863	8.20627289	0.08009649	7.50934213	260.559306	62.34114	0	0	0	0.265	260.293872	1.4451261	0.34575933	65.6942729	5.47452274	0.031263	0.01281797	1.52543462
	10	267.8032138	0.03477656	2.62627718	7.58818461	8.20491695	0.08008326	7.50810135	260.215029	62.25877	0	0	0	0.265	259.949946	1.44659195	0.34611005	65.7609092	5.48007756	0.031263	0.01283098	1.52688727
	11	267.4580471	0.03498862	2.62590129	7.586922	8.20359551	0.08007001	7.50681959	259.877118	62.17649	0	0	0	0.265	259.606385	1.44805942	0.34646116	65.8276195	5.4856496	0.031263	0.01284399	1.52834173
	12	267.113244	0.03519852	2.62552536	7.58567629	8.20220255	0.08005675	7.50561566	259.525752	62.09429	0	0	0	0.264	259.265138	1.44957252	0.34681052	65.8944039	5.49120572	0.031263	0.01285702	1.52979781
	13	266.7688041	0.03541345	2.62514938	7.58441419	8.20094008	0.08004347	7.50437072	259.18439	62.01218	0	0	0	0.264	258.920356	1.45099927	0.34716454	65.9612625	5.49677188	0.031263	0.01287007	1.53125255
	14	266.4247272	0.03562622	2.62477337	7.58315458	8.1994781	0.08003017	7.5031244	258.841573	61.93												

210	6	245.1425586	0.94974241	2.60062019	7.49954571	8.10907389	0.07914779	7.42039792	237.643013	56.85821	0	0	0	0.242	237.400924	1.5501967	0.37089841	70.4706981	5.87255818	0.031263	0.01734993	1.62957307
	7	244.8213217	0.94997099	2.60024136	7.49819215	8.10760935	0.0791335	7.41905775	237.32313	56.78168	0	0	0	0.241	237.081367	1.55177974	0.37127717	70.5426619	5.87855166	0.031263	0.01736797	1.63114207
	8	244.5504249	0.95019982	2.59986247	7.49683526	8.10614316	0.07911919	7.41771608	237.00359	56.70523	0	0	0	0.242	236.762152	1.55383455	0.37166635	70.6147063	5.88455886	0.031263	0.01737803	1.63271283
	9	244.179868	0.95042891	2.59940351	7.49547716	8.10467512	0.07910406	7.4163729	236.68439	56.62886	0	0	0	0.241	236.443278	1.55495114	0.37203595	70.6868313	5.89056028	0.031263	0.01737921	1.63428534
	10	243.8596506	0.95065825	2.59910458	7.49411873	8.10320584	0.07909052	7.41510282	236.365532	56.55257	0	0	0	0.241	236.124744	1.55653951	0.37241599	70.7590372	5.89658644	0.031263	0.01380619	1.63585962
	11	243.5397724	0.95087874	2.59872556	7.49275818	8.10173471	0.07907616	7.41368202	236.047014	56.47636	0	0	0	0.240	235.806551	1.55812966	0.37279644	70.831324	5.90261033	0.031263	0.01382029	1.63743547
	12	243.220233	0.95111769	2.59834649	7.4913961	8.10026193	0.07906178	7.41233432	235.728837	56.40023	0	0	0	0.240	235.488698	1.55972159	0.37317733	70.9036918	5.90684098	0.031263	0.01383441	1.63901347
	13	242.901032	0.95134779	2.59796796	7.49007879	8.09878749	0.07904739	7.4109851	235.411	56.32419	0	0	0	0.240	235.171184	1.5613153	0.37355864	70.9761407	5.91467839	0.031263	0.01384854	1.64059305
	14	242.5821693	0.95157815	2.59758822	7.48866735	8.0973114	0.07903299	7.40963407	235.093502	56.24852	0	0	0	0.239	234.848401	1.5629108	0.37394037	71.0485798	5.92072257	0.031263	0.0138627	1.64217144
	15	242.2636444	0.95179091	2.59720901	7.48730068	8.09583365	0.07901856	7.40829214	234.773644	56.17234	0	0	0	0.234	234.532715	1.56474408	0.37423254	71.1212823	5.92677552	0.031263	0.01387487	1.64375752
211	16	241.9454571	0.95203964	2.59682976	7.48593247	8.09435424	0.07900412	7.40692835	234.459325	56.09654	0	0	0	0.239	234.220679	1.56610716	0.37470513	71.1939375	5.93281225	0.031263	0.01389105	1.64534241
	17	241.6276069	0.95227076	2.59645046	7.48456273	8.09287317	0.07898967	7.40557306	234.143044	56.02082	0	0	0	0.239	233.90452	1.56770803	0.37508815	71.2667493	5.93889578	0.031263	0.01390525	1.64692908
	18	241.3100936	0.95250214	2.59607111	7.48319144	8.09139043	0.0789752	7.40421625	233.826902	55.94518	0	0	0	0.238	233.588701	1.5693107	0.37547161	71.3360653	5.9449671	0.031263	0.01391947	1.64851753
	19	240.9929168	0.95273378	2.59569172	7.48181862	8.08990603	0.07896071	7.40285791	233.511098	55.86962	0	0	0	0.238	233.273218	1.57091516	0.37585549	71.4125429	5.95104524	0.031263	0.01393337	1.65010777
	20	240.7670752	0.95295658	2.59531228	7.48044425	8.08841996	0.07894652	7.40149805	233.195632	55.79414	0	0	0	0.238	232.958077	1.57252143	0.3762389	71.4855623	5.95713019	0.031263	0.01394794	1.65169978
	21	240.5395714	0.95319783	2.59493279	7.47906834	8.08693222	0.07893168	7.40013666	232.880503	55.71874	0	0	0	0.237	232.643265	1.57412949	0.37654235	71.5586637	5.96232217	0.031263	0.01396221	1.65329359
	22	240.0434023	0.95343025	2.59455325	7.47769089	8.08544281	0.07891714	7.39877374	232.565711	55.64342	0	0	0	0.237	232.328795	1.57579396	0.37700972	71.631847	5.96932059	0.031263	0.01397649	1.65488918
	23	239.7275683	0.95366292	2.59417367	7.47631188	8.08395173	0.07890259	7.39740929	232.251256	55.56919	0	0	0	0.237	232.01466	1.57735104	0.37739533	71.7051125	5.97542604	0.031263	0.01399078	1.65648556
	24	239.4120692	0.95389584	2.59379403	7.47493132	8.08245897	0.07888802	7.3960433	231.937138	55.49303	0	0	0	0.236	231.700861	1.57896452	0.37778137	71.7784602	5.98153835	0.031263	0.01400509	1.65808573
	1	239.0969047	0.95412903	2.59341436	7.47354922	8.08096453	0.07887343	7.39467578	231.623356	55.41796	0	0	0	0.236	231.387399	1.58057982	0.37816784	71.8518902	5.98765752	0.031263	0.01403942	1.65968667
212	2	238.7620745	0.95436248	2.59303463	7.47211655	8.07946841	0.07885883	7.39330672	231.309099	55.34296	0	0	0	0.236	231.074271	1.58219692	0.37855475	71.9254027	5.99378356	0.031263	0.01403376	1.66128946
	3	238.4657781	0.95459618	2.59265485	7.47078033	8.0777006	0.07884421	7.39193612	230.996798	55.26805	0	0	0	0.235	230.761479	1.58381585	0.37894209	71.9989976	5.99991467	0.031263	0.01404812	1.66289402
	4	238.1534154	0.95483015	2.59227503	7.46939356	8.07647112	0.07882958	7.39056398	230.684022	55.19321	0	0	0	0.235	230.440022	1.58543659	0.37932987	72.0726752	6.00065627	0.031263	0.0140625	1.66450039
	5	237.8395859	0.95506437	2.59189516	7.46800522	8.07496994	0.07881492	7.3891903	230.371581	55.11846	0	0	0	0.235	230.136899	1.58705915	0.37971808	72.1464355	6.01202296	0.031263	0.01407689	1.66610856
	6	237.5260893	0.95529886	2.59151524	7.46661532	8.07346708	0.07880026	7.38781507	230.059474	55.04378	0	0	0	0.234	229.82511	1.58868353	0.38010673	72.2202786	6.01835655	0.031263	0.01409193	1.66771853
	7	237.2129254	0.95553386	2.59111527	7.46523386	8.07196253	0.07878557	7.38643829	229.747701	54.96919	0	0	0	0.234	229.513655	1.59030974	0.38049851	72.2942047	6.02451706	0.031263	0.01410572	1.66933032
	8	236.9000317	0.95576526	2.59073276	7.46383887	8.07045628	0.07877087	7.38505959	229.436263	54.89468	0	0	0	0.234	229.281624	1.59193744	0.38089129	72.3682138	6.03088488	0.031263	0.0141201	1.67094391
	9	236.587594	0.95600388	2.5903752	7.46243624	8.06894834	0.07875615	7.38368009	229.125158	54.82034	0	0	0	0.233	228.991746	1.59356176	0.38127529	72.442306	6.03685884	0.031263	0.01413462	1.67255932
	10	236.275426	0.9562394	2.58999508	7.46104008	8.0674387	0.07874142	7.38228666	228.814386	54.74589	0	0	0	0.233	228.581291	1.59519933	0.38166569	72.5164815	6.04304013	0.031263	0.01414909	1.67417654
	11	235.9635893	0.9564752	2.58961492	7.45964234	8.06592737	0.07872667	7.38091568	228.503947	54.67161	0	0	0	0.233	228.271168	1.59683285	0.38205653	72.5907403	6.04922836	0.031263	0.01416358	1.67579557
213	12	235.6520835	0.95671125	2.58932471	7.45824303	8.06444133	0.0787119	7.37953113	228.193841	54.5973	0	0	0	0.232	227.961377	1.59846822	0.38244478	72.6650826	6.05542355	0.031263	0.01417809	1.67741643
	13	235.3400985	0.95694756	2.58895445	7.456864215	8.062849959	0.07869711	7.37814503	227.884066	54.5230	0	0	0	0.232	227.651919	1.60010542	0.38283952	72.7395084	6.0616257	0.031263	0.01419261	1.67903911
	14	235.0300638	0.95713975	2.58857415	7.45543814	8.06136214	0.07868231	7.37675729	227.574621	54.44926	0	0	0	0.232	227.341292	1.60194466	0.38323467	72.81440179	6.06783482	0.031263	0.01420715	1.68066315
	15	234.7195491	0.95742099	2.58809379	7.45403564	8.05986498	0.07866749	7.37536815	227.265513	54.37530	0	0	0	0.232	227.033996	1.60338534	0.38362427	72.8886111	6.07405093	0.031263	0.0142217	1.68228994
	16	234.4093642	0.95765809	2.58771339	7.45263002	8.05834512	0.07865266	7.37397736	226.956734	54.30143	0	0	0	0.231	226.725531	1.60502807	0.38401731	72.9632882	6.08027402	0.031263	0.01423627	1.6839181
	17	234.0995086	0.95789546	2.58733293	7.45122282	8.05682354	0.07863781	7.37258051	226.648286	54.22763	0	0	0	0.231	226.417397	1.60667264	0.38441079	73.0380492	6.0865041	0.031263	0.01425086	1.68554809
	18	233.7899821	0.95811309	2.58695243	7.44981403	8.05532025	0.07862294	7.37119108	226.340168	54.15391	0	0	0	0.231	226.109593	1.60831307	0.38480471	73.1128944	6.09274212	0.031263	0.01426546	1.68717991
	19	233.4807844	0.95833915	2.58657215	7.44839608	8.05377524	0.07860805	7.37079559	226.032381	54.08027	0	0	0	0.230	225.802119	1.60996734	0.38519907	73.1878237	6.09893631	0.031263	0.01428008	1.68881556
	20	233.1719151	0.95860915	2.58619127	7.44699168	8.05224851	0.07859315	7.36939853	225.724923	54.00670	0	0	0	0.230	225.494975	1.61161747	0.38559388	73.2628372	6.10523644	0.031263	0.01429472	1.69044006
	21	232.8633739	0.95884758	2.58581062	7.44557812	8.05072007	0.07857824	7.36799989	225.417796	53.93322	0	0	0	0.230	225.188161	1.61326946	0.38598913	73.3379352	6.1114946	0.031263	0.01430937	1.69208639
214	22	232.5551605	0.95908627	2.58542992	7.44416297	8.0491899	0.0785633	7.36659967	225.110998	53.85982	0	0	0	0.229	224.881675	1.6149223	0.38638483	73.4131176	6.1177598	0.031263	0.01432404	1.69

	8	215.2288937	9.07339611	2.56326132	7.35928974	7.95741857	0.07766758	7.28162216	207.869604	49.73466	0	0	0	0.212	207.657845	1.71410637	0.41011526	77.9219002	6.49349168	0.031263	0.01520377	1.7920289
	9	214.9394675	9.07365106	2.56287753	7.35777072	7.95578291	0.07765161	7.28012541	207.58169	49.66577	0	0	0.211	207.370225	1.71587404	0.41053819	78.002257	6.50018808	0.031263	0.01521945	1.79378089	
	10	214.6503505	9.07390629	2.56249369	7.35672659	7.95414538	0.07763563	7.27862696	207.28088	49.59967	0	0	0.211	207.082916	1.71764371	0.4108616	78.0827048	6.50685207	0.031263	0.01525215	1.79535486	
	11	214.3615425	9.07416382	2.56210979	7.35474643	7.95250601	0.07761963	7.27712658	207.006796	49.52823	0	0	0.211	206.795916	1.71941538	0.41138549	78.1633437	6.51360495	0.031263	0.01525986	1.79729082	
	12	214.0730432	9.07441763	2.56172584	7.35322856	7.95086477	0.07760361	7.27562495	206.719815	49.45956	0	0	0.211	206.509027	1.72118907	0.41180986	78.2438739	6.52032282	0.031263	0.0152666	1.79904877	
	13	213.7848522	9.07467372	2.56134183	7.35170896	7.94922167	0.07758757	7.27412139	206.433143	49.39097	0	0	0.210	206.222848	1.72296476	0.41223471	78.3245954	6.52704061	0.031263	0.01528235	1.80080871	
	14	213.4969693	9.0749301	2.56095776	7.35018765	7.9475767	0.07757152	7.27263163	206.146782	49.32246	0	0	0.210	205.936778	1.72474246	0.41266004	78.4054083	6.53378403	0.031263	0.01529811	1.80257065	
	15	213.2093942	9.07518677	2.56053674	7.3486646	7.94592987	0.07755544	7.27110916	205.86073	49.25402	0	0	0.210	205.651017	1.72652218	0.41308586	78.4863128	6.54052607	0.031263	0.01531139	1.80433458	
	16	213.2121205	9.07547433	2.56018947	7.34713892	7.94428117	0.07753935	7.26960047	205.574987	49.18545	0	0	0.209	205.365566	1.72830391	0.41351215	78.567309	6.54727575	0.031263	0.01533297	1.80610051	
	17	213.651516	9.07570008	2.55980524	7.34561332	7.9426306	0.07752324	7.26809028	205.289552	49.11736	0	0	0.211	205.080022	1.73008756	0.4139893	78.6483967	6.55403903	0.031263	0.01535062	1.80786844	
	18	213.3485125	9.07595852	2.55947195	7.34408508	7.94097815	0.07750721	7.26657797	205.004427	49.04914	0	0	0.209	204.795587	1.73187343	0.41436619	78.7295768	6.56079806	0.031263	0.01536136	1.80963837	
	19	212.0621655	9.07621634	2.5590366	7.34255511	7.93932383	0.07749096	7.26506414	204.71961	48.98100	0	0	0.209	204.511061	1.73366123	0.41479394	78.8108486	6.56757072	0.031263	0.01537722	1.81141031	
	20	211.7761248	9.07647446	2.5586522	7.3410234	7.93766763	0.07747478	7.2635486	204.435101	48.9122	0	0	0.208	204.226841	1.73545106	0.41522217	78.8922126	6.57435105	0.031263	0.0153931	1.81318426	
	21	211.4903901	9.0773286	2.55826775	7.33948995	7.93600955	0.07745862	7.26203133	204.1509	48.84493	0	0	0.208	203.94293	1.73724291	0.41565089	78.9736688	6.58113907	0.031263	0.01540899	1.81496022	
	22	211.2049611	9.07699155	2.55788234	7.33795476	7.93454958	0.07744241	7.26051234	203.867006	48.77700	0	0	0.208	203.659325	1.73903868	0.41608069	79.0552174	6.58793478	0.031263	0.0154249	1.81673819	
	23	210.9198375	9.07725054	2.55740887	7.33641782	7.93288773	0.07742619	7.25899163	203.58342	48.70915	0	0	0.207	203.376027	1.74083272	0.41650978	79.1365854	6.5947382	0.031263	0.01544083	1.81851818	
	24	210.635019	9.07750982	2.55711404	7.33487914	7.931024	0.07740996	7.25746919	203.30014	48.64137	0	0	0.207	203.093036	1.74263067	0.41693996	79.2185921	6.60154934	0.031263	0.01545678	1.82039019	
	1	210.3505053	9.07776938	2.55672936	7.33333872	7.92935837	0.07739397	7.25594502	203.017167	48.57367	0	0	0.207	202.810351	1.74443067	0.41737062	79.3004184	6.6083682	0.031263	0.01547274	1.82208422	
	2	210.0662962	9.07802924	2.55634462	7.33179654	7.92769805	0.07737742	7.25441912	202.7345	48.50604	0	0	0.207	202.527972	1.7462327	0.41780178	79.3823375	6.61519473	0.031263	0.01548873	1.82387028	
	3	209.7623913	9.07828939	2.55595983	7.33025261	7.92620144	0.07736113	7.25289148	202.452139	48.43948	0	0	0.206	202.245899	1.74803678	0.41823342	79.4643496	6.62209913	0.031263	0.01550473	1.82565835	
	4	209.4887903	9.07854868	2.55557497	7.32870692	7.92455013	0.07734482	7.25136211	202.170083	48.37100	0	0	0.206	201.964131	1.74984091	0.41866555	79.5464547	6.62887123	0.031263	0.01552075	1.82744846	
	5	209.215493	9.07881057	2.55519007	7.32715948	7.92267692	0.07732848	7.249831	201.888333	48.30359	0	0	0.206	201.682648	1.75165109	0.41909817	79.628653	6.63572108	0.031263	0.01553679	1.8292406	
	6	208.932499	9.0790716	2.5548051	7.32561028	7.92100181	0.07731213	7.24829815	201.606889	48.23625	0	0	0.205	201.40151	1.75346132	0.41953129	79.7109445	6.64257871	0.031263	0.01555284	1.83103477	
	7	208.6498081	9.07932392	2.55442008	7.32405932	7.91932479	0.07729577	7.24676356	201.325749	48.16898	0	0	0.205	201.120656	1.7552736	0.41996489	79.7933294	6.64944412	0.031263	0.01556892	1.83283093	
	8	208.3674199	9.07959454	2.554035	7.3225066	7.91764587	0.07727938	7.24522722	201.044913	48.10179	0	0	0.205	200.840107	1.75708794	0.42039899	79.8758078	6.65631732	0.031263	0.01558501	1.83462923	
	9	208.0853443	9.07985645	2.55364986	7.32095211	7.91595604	0.07726297	7.24389914	200.764382	48.03065	0	0	0.205	200.558862	1.75890434	0.42083558	79.9583798	6.6631982	0.031263	0.01560112	1.83645921	
	10	207.8035508	9.08011891	2.55329585	7.31939585	7.91412821	0.07724655	7.24214492	200.484155	47.96763	0	0	0.204	200.271492	1.76072158	0.42126803	80.0415455	6.67021391	0.031263	0.01561731	1.83829185	
	11	207.5220692	9.08038115	2.55287941	7.3178783	7.91259764	0.07723011	7.24067072	200.204231	47.90467	0	0	0.204	200.000281	1.76254332	0.42170424	80.1230502	6.67698377	0.031263	0.0156334	1.84003622	
	12	207.2408892	9.08064394	2.5524941	7.31627803	7.91091107	0.07721364	7.23906438	199.924611	47.83375	0	0	0.204	199.720946	1.76436591	0.42214031	80.2065688	6.68388823	0.031263	0.01564957	1.84184265	
	13	206.9600105	9.08090703	2.55210873	7.31471646	7.90922258	0.07719716	7.23751929	199.645294	47.76692	0	0	0.203	199.441914	1.76619058	0.42257688	80.2896064	6.6908054	0.031263	0.01566575	1.84365113	
	14	206.6794329	9.08117042	2.5517233	7.31315311	7.90753217	0.07718067	7.23597244	199.36628	47.70016	0	0	0.203	199.161384	1.76801731	0.42301391	80.3726483	6.69772069	0.031263	0.01568195	1.84546166	
	15	206.399156	9.0814341	2.55133782	7.31158798	7.90583984	0.07716415	7.23442384	199.087568	47.63348	0	0	0.203	198.884756	1.76984612	0.4234515	80.4557844	6.7046487	0.031263	0.01569871	1.84727424	
	16	206.1191795	9.08169523	2.55096286	7.30995228	7.90445558	0.07714761	7.23287637	198.800158	47.56687	0	0	0.202	198.602407	1.77171577	0.42388992	80.5395157	6.71158158	0.031263	0.01571593	1.84908984	
	17	205.8395032	9.08196236	2.55056668	7.30845239	7.9024494	0.07713106	7.23132133	198.531051	47.50033	0	0	0.202	198.328805	1.77350997	0.42432811	80.6223401	6.71852384	0.031263	0.01573067	1.8509056	
	18	205.5601267	9.08222693	2.55018102	7.30688191	7.90075128	0.07711448	7.22976743	198.253245	47.43386	0	0	0.202	198.051282	1.77534502	0.42476716	80.7057599	6.72547999	0.031263	0.01574695	1.85272437	
	19	205.2810499	9.0824918	2.5497953	7.30530695	7.89905124	0.07709789	7.22821177	197.97574	47.36714	0	0	0.202	197.774061	1.77718215	0.42520671	80.7892745	6.73240954	0.031263	0.01576324	1.85454521	
	20	205.002723	9.08275697	2.54940953	7.3037356	7.89734925	0.07708128	7.22665433	197.698537	47.30146	0	0	0.201	197.497139	1.77902137	0.42564676	80.8728839	6.73940099	0.031263	0.01577956	1.85636811	
	21	204.7237937	9.08302244	2.54906453	7.30215076	7.89564696	0.07706465	7.22509516	197.423480	47.23480	0	0	0.201	197.220519	1.78086529	0.42608367	80.9655884	6.74638237	0.031263	0.01579599	1.85819409	
	22	204.4454138	9.0832882	2.5486378	7.30058213	7.89393948	0.077048	7.22353413	197.145032	47.16721	0	0	0.201	196.944198	1.78270608	0.42652836	81.040388	6.75336567	0.031263	0.01581224	1.86002014	
	23	204.1677324	9.08355427	2.54825185	7.29900269	7.89223168	0.07703133	7.22197137	196.86873	47.10050	0	0	0.201	196.668178	1.78455158	0.42696991	81.1242828	6.76035168	0.031263	0.01582861	1.86184927	
	24	203.8901491	9.08382064	2.54786584	7.29742146	7.89052193	0.07701464	7.22040683	196.592728	47.03657	0	0	0.200	196.392457	1.78639917	0.42741196	81.208273	6.76735609	0.031263	0.015845	1.86368048	
	1	203.6128636	9.0840873	2.54747977	7.29583843	7.88881024	0.07699793	7.2188405	196.317025	46.97060	0	0	0.200	196.117035	1.78824887	0.42785452	81.2923587	6.77436323	0.031263	0.0158614	1.86551377	
	2	203.3358758	9.08454527	2.54709364	7.2942536	7.8870996	0.07698121	7.2172724	196.041622	46.90471	0	0	0.200	195.841913	1.79010067	0.42829758	81.37654	6.7				

10	188.2907801	0.09979539	2.52537314	7.20255658	7.78794687	0.07601347	7.12654312	181.088223	43.32698	0	0	0	0.184	180.903747	1.89723881	0.45393134	86.2469538	7.18724615	0.0931263	0.01682812	1.97353698
11	188.0302904	0.1000801	2.52498348	7.20086526	7.78611809	0.07599562	7.12488964	180.829425	43.26506	0	0	0	0.184	180.645213	1.89921484	0.45440412	86.3367828	7.1947319	0.0931263	0.01684655	1.97549524
12	187.7708822	0.1000801	2.52498376	7.1979172	7.78428751	0.07599775	7.12319426	180.57091	43.20320	0	0	0	0.184	180.388961	1.90119314	0.45487744	86.4267145	7.20222621	0.0931263	0.01688632	1.98746524
13	187.5101552	0.1000406	2.52420396	7.19747681	7.78245424	0.07595986	7.12151695	180.312678	43.14142	0	0	0	0.184	180.128992	1.90317369	0.45535311	86.5167489	7.20972908	0.0931263	0.01688076	1.97941923
14	187.2505092	0.10093618	2.52383141	7.19577967	7.78061917	0.07594194	7.11983773	180.054729	43.07900	0	0	0	0.183	179.871306	1.90515651	0.45582572	86.6068863	7.21724052	0.0931263	0.01688935	1.98138446
15	186.9911438	0.10122219	2.52342419	7.19408059	7.77878199	0.07592401	7.11815658	179.797063	43.01805	0	0	0	0.183	179.613902	1.90714159	0.45630067	86.6971266	7.22476055	0.0931263	0.01691596	1.98335194
16	186.7320589	0.10150852	2.5230342	7.19237397	7.77694272	0.07590606	7.11647351	179.539679	42.95647	0	0	0	0.183	179.356781	1.90912895	0.45677616	86.7874071	7.23228918	0.0931263	0.01693159	1.98532166
17	186.4732541	0.10179517	2.52264415	7.1906766	7.77510134	0.07588809	7.11478851	179.282578	42.89466	0	0	0	0.183	179.099941	1.91111857	0.45725219	86.8779169	7.23982641	0.0931263	0.01695123	1.98729364
18	186.2147292	0.10208215	2.5222405	7.18897168	7.77325786	0.07587009	7.11310159	179.025758	42.83351	0	0	0	0.182	178.863882	1.91311007	0.45772877	86.9684671	7.24737725	0.0931263	0.01696891	1.98926787
19	185.956484	0.1023606	2.52186385	7.18726481	7.77141222	0.07585208	7.11141273	178.769219	42.77113	0	0	0	0.182	178.587105	1.91512769	0.45825919	87.0591200	7.25492573	0.0931263	0.01698651	1.99124436
20	185.6985181	0.10265700	2.5214736	7.18555599	7.76956455	0.07583405	7.10972194	178.512962	42.70882	0	0	0	0.182	178.331100	1.91710171	0.45868357	87.1498781	7.26248894	0.0931263	0.01700341	1.99322311
21	185.4408312	0.10294505	2.52108329	7.1838452	7.76771472	0.07581599	7.10802921	178.256686	42.64958	0	0	0	0.182	178.075394	1.91909985	0.45916179	87.2407392	7.2700616	0.0931263	0.01702203	1.99520412
22	185.1834232	0.10323334	2.5206929	7.18213246	7.76586279	0.07579792	7.10633455	178.001291	42.58270	0	0	0	0.181	177.819959	1.92110087	0.45964055	87.3317043	7.27764202	0.0931263	0.01703977	1.99718784
23	184.9262938	0.10355219	2.52030246	7.18041776	7.76400871	0.07577982	7.10463794	177.745876	42.52729	0	0	0	0.181	177.564805	1.92330419	0.46011986	87.4227733	7.28523111	0.0931263	0.01705754	1.99917295
24	184.6844246	0.10381080	2.51991194	7.17870109	7.76215252	0.0757617	7.10283939	177.487074	42.46625	0	0	0	0.181	177.308993	1.92510879	0.46059927	87.5158465	7.29282888	0.0931263	0.01707533	2.00116076
25	184.4128594	0.10410015	2.51952136	7.17698246	7.76029421	0.07574356	7.10123389	177.235887	42.40527	0	0	0	0.181	177.055335	1.92711769	0.46108013	87.605224	7.30043545	0.0931263	0.01709234	2.00315085
26	184.1565741	0.10438975	2.51913072	7.17526186	7.75843376	0.07572541	7.09953646	176.981312	42.34436	0	0	0	0.180	176.80102	1.929212789	0.46156108	87.6966059	7.3080505	0.0931263	0.01711097	2.00514322
27	183.9005562	0.10467967	2.51874001	7.17353929	7.75657119	0.07570723	7.09783206	176.727017	42.28352	0	0	0	0.180	176.546983	1.93114038	0.46204259	87.7880924	7.31567437	0.0931263	0.01712882	2.00713786
28	183.6448155	0.10496993	2.51834923	7.17181474	7.75470648	0.07568903	7.09612572	176.473001	42.22274	0	0	0	0.180	176.293226	1.93315518	0.46252465	87.8796835	7.32330696	0.0931263	0.01714669	2.00913479
29	183.3893518	0.10526051	2.51795838	7.17008822	7.75283964	0.07567086	7.09441742	176.219264	42.16203	0	0	0	0.180	176.039747	1.93517229	0.46300726	87.9713794	7.33094829	0.0931263	0.01716458	2.0111354
30	183.1341649	0.10555142	2.51756747	7.16835972	7.75097065	0.07565256	7.09270716	175.965805	42.10139	0	0	0	0.179	175.785457	1.93719197	0.46349042	88.0631803	7.33859835	0.0931263	0.0171825	2.0131355
31	182.8792543	0.10584266	2.51717649	7.16662924	7.74909953	0.0756343	7.09094994	175.712625	42.04082	0	0	0	0.179	175.53625	1.93921342	0.46397414	88.1550861	7.34625718	0.0931263	0.01720043	2.01513929
32	182.62462	0.10613424	2.51678544	7.16496878	7.74722626	0.07561602	7.08928077	175.459723	41.98031	0	0	0	0.179	175.280981	1.94123746	0.46445841	88.2470972	7.35392477	0.0931263	0.01721838	2.01714538
33	182.3702615	0.10642614	2.51639433	7.16316233	7.74535084	0.07559771	7.08756462	175.207099	41.91866	0	0	0	0.178	175.028614	1.94326381	0.46494323	88.3392136	7.36160113	0.0931263	0.01723635	2.01915373
34	182.116787	0.10671838	2.51600314	7.1614259	7.74347328	0.07557939	7.08584651	174.954753	41.85949	0	0	0	0.178	174.776525	1.94529248	0.46542861	88.431453	7.36926828	0.0931263	0.01725435	2.02116446
35	181.8623714	0.10701095	2.5156119	7.15986747	7.74159355	0.07556104	7.08412643	174.702684	41.79918	0	0	0	0.177	174.524713	1.94732247	0.46591454	88.5237627	7.37698023	0.0931263	0.01727236	2.02317741
36	181.6088914	0.10729169	2.5152058	7.15794475	7.73971546	0.07554267	7.08240438	174.450892	41.73893	0	0	0	0.177	174.271577	1.94934764	0.46640546	88.6161957	7.38461954	0.0931263	0.01729037	2.02519277
37	181.3555817	0.10759708	2.51482919	7.15620464	7.73782766	0.07552458	7.08068036	174.199377	41.67876	0	0	0	0.177	174.021919	1.95132024	0.46688808	88.7087346	7.39239455	0.0931263	0.01730845	2.02721029
38	181.1025989	0.10789064	2.51443774	7.15446023	7.73594147	0.07550587	7.07895436	173.948139	41.61865	0	0	0	0.177	173.770936	1.95343042	0.46737568	88.8013794	7.40011495	0.0931263	0.01732653	2.02923019
39	180.849805	0.10818454	2.51404622	7.15271382	7.73405312	0.07548744	7.07722638	173.697177	41.55860	0	0	0	0.177	173.52023	1.95547073	0.46786384	88.8941303	7.40784419	0.0931263	0.01734463	2.03125224
40	180.5974562	0.10847878	2.51365464	7.1509654	7.73216262	0.07546899	7.07549641	173.446491	41.49862	0	0	0	0.177	173.269799	1.95751337	0.46835257	88.9869874	7.41552882	0.0931263	0.01736275	2.03327693
41	180.3452956	0.10877355	2.51326298	7.14921459	7.7302699	0.07545052	7.07376447	173.196801	41.43871	0	0	0	0.176	173.019644	1.95955836	0.46884185	89.0799508	7.42323923	0.0931263	0.01738088	2.03530378
42	180.0934087	0.10907434	2.51287506	7.14738215	7.72837506	0.07543202	7.07203765	172.945490	41.37886	0	0	0	0.176	172.761765	1.96167962	0.46933195	89.1730207	7.43108596	0.0931263	0.01739897	2.03732395
43	179.8417951	0.10936348	2.51247946	7.14570812	7.72647804	0.0754135	7.07029462	172.696807	41.31908	0	0	0	0.176	172.52016	1.96365536	0.46982209	89.2661972	7.43884976	0.0931263	0.01741722	2.03936444
44	179.5904545	0.10965906	2.5120876	7.14395168	7.72457883	0.07539497	7.06855671	172.446503	41.25937	0	0	0	0.176	172.27083	1.96570738	0.47031305	89.3594804	7.44662396	0.0931263	0.01743542	2.04139826
45	179.3393867	0.10995497	2.51169567	7.14219311	7.72267745	0.07537641	7.0668168	172.197193	41.19973	0	0	0	0.175	172.02175	1.96776175	0.47080455	89.4528704	7.45445807	0.0931263	0.01745365	2.04343441
46	179.0885914	0.11025121	2.51130368	7.14043274	7.72077389	0.07535783	7.06507491	171.948159	41.14002	0	0	0	0.175	171.772994	1.96981848	0.47129667	89.5463674	7.46219728	0.0931263	0.01747189	2.04547289
47	178.8386884	0.11054739	2.51091161	7.13866814	7.71893923	0.07533928	7.06333763	171.699398	41.08063	0	0	0	0.175	171.524866	1.97187756	0.47177952	89.6397713	7.46998763	0.0931263	0.01749031	2.04751371
48	178.5878175	0.11084471	2.51051948	7.13690572	7.71696021	0.07532061	7.06158511	171.450912	41.02116	0	0	0	0.175	171.276253	1.9739319	0.47228254	89.7336829	7.47780691	0.0931263	0.01750844	2.04955686
49	178.3378382	0.11114197	2.51012727	7.13513917	7.71505009	0.07530196	7.05983721	171.202699	40.96178	0	0	0	0.174	171.028293	1.9760028	0.47277632	89.8275017	7.48562514	0.0931263	0.01752674	2.05160236
50	178.0881305	0.11143957	2.509735	7.1333706	7.71313778	0.0752833	7.0580873	170.95476	40.90245	0	0	0	0.174	170.780607	1.97806896	0.47327067	89.9214279	7.49345233	0.0931263	0.01754507	2.05365019
51	177.838694	0.1117375	2.50934266	7.1316	7.71122327	0.07526461	7.05633539	170.707094	40.84320	0	0	0	0.174	170.533193	1.9801375	0.47376559	90.0014618	7.50128848	0.0931263	0.01756342	2.05570038
52	177.5895286	0.11203577	2.50895024	7.12982737																	

12	164.060954	9.12929287	2.48668128	7.02724081	7.59838225	0.07416324	6.95307757	157.033713	37.57172	0	0	0	0.160	156.873741	2.10205206	0.50293474	95.5576	7.96131333	0.031263	0.01864477	2.17653359
13	163.8268191	9.12961116	2.48646673	7.02534825	7.59633587	0.07414327	6.95120498	156.801471	37.51615	0	0	0	0.160	156.641736	2.10426291	0.5034637	95.6581035	7.97150863	0.031263	0.01866438	2.17872483
14	163.5929407	9.12952861	2.48606812	7.02345551	7.59428714	0.07412327	6.94933024	156.569487	37.46065	0	0	0	0.159	156.409988	2.1064763	0.50399328	95.7387228	7.97899357	0.031263	0.01868402	2.18091859
15	163.3593187	9.13024883	2.48567142	7.02155659	7.59223604	0.07410325	6.94745324	156.337762	37.40521	0	0	0	0.159	156.178499	2.10869224	0.50452346	95.8594573	7.98628811	0.031263	0.01870367	2.18311487
16	163.1259527	9.13056821	2.48527465	7.01965748	7.59018259	0.07408321	6.94557428	156.106295	37.34983	0	0	0	0.159	155.947268	2.11091073	0.50505425	95.9603079	7.99669232	0.031263	0.01872335	2.18531368
17	162.8928426	9.13088796	2.48487781	7.01775619	7.58812677	0.07406314	6.94369305	155.875086	37.29451	0	0	0	0.159	155.716295	2.11331176	0.50558565	96.0612743	8.0051062	0.031263	0.01874305	2.18751501
18	162.6599881	9.13120807	2.48448089	7.01585272	7.58606859	0.07404305	6.94189066	155.644135	37.23905	0	0	0	0.159	155.485579	2.11535335	0.50611767	96.1623569	8.01352974	0.031263	0.01876372	2.18971888
19	162.4273889	9.13152854	2.48400839	7.01394705	7.58400803	0.07402294	6.93992411	155.413442	37.18425	0	0	0	0.158	155.255121	2.11758515	0.50665029	96.2635557	8.02196298	0.031263	0.01878252	2.19192528
20	162.1950449	9.13183189	2.48368681	7.01203919	7.58194511	0.07400281	6.93780338	155.183006	37.12892	0	0	0	0.158	155.024919	2.11981483	0.50718353	96.3648709	8.03049591	0.031263	0.01880228	2.19419422
21	161.9629557	9.13217078	2.48329864	7.01012913	7.57977981	0.07398265	6.93614648	154.953237	37.07385	0	0	0	0.158	154.794975	2.12204147	0.50777188	96.4663025	8.03898585	0.031263	0.01882129	2.19634549
22	161.7312122	9.13249218	2.48289243	7.00821687	7.57781214	0.07396247	6.93425441	154.722904	37.01884	0	0	0	0.158	154.565287	2.1242753	0.50825185	96.5678508	8.0473209	0.031263	0.01884189	2.19855592
23	161.4995411	9.13281412	2.48249513	7.00630241	7.57574208	0.07394226	6.93236051	154.493239	36.96389	0	0	0	0.157	154.335855	2.12651171	0.50878693	96.6695159	8.05579299	0.031263	0.01886173	2.20077628
24	161.2682152	9.13313643	2.48209775	7.00438575	7.57366608	0.07392203	6.93046372	154.263829	36.90900	0	0	0	0.157	154.106679	2.12875068	0.50932262	96.7712979	8.06427482	0.031263	0.01888159	2.20299554
25	161.0371432	9.13345912	2.48170029	7.00246689	7.57159482	0.07390178	6.9285651	154.034676	36.85417	0	0	0	0.157	153.877776	2.13099223	0.50985893	96.8731969	8.07276641	0.031263	0.01890147	2.20521706
26	160.8063249	9.13378217	2.48130275	7.00054581	7.5695176	0.07388151	6.9266651	153.805779	36.79941	0	0	0	0.157	153.648096	2.13328236	0.51039886	96.9752132	8.08126776	0.031263	0.01892137	2.20744129
27	160.57576	9.13410559	2.48090514	6.99862552	7.567438	0.07386211	6.92476131	153.577137	36.74470	0	0	0	0.156	153.420687	2.13548307	0.5109334	97.0773467	8.08977889	0.031263	0.01894133	2.20968507
28	160.3454484	9.13442938	2.48050745	6.99669702	7.565356	0.07384089	6.92285613	153.348751	36.69006	0	0	0	0.156	153.192534	2.13773236	0.51147157	97.1795978	8.09829983	0.031263	0.01896125	2.21189741
29	160.1153897	9.13475354	2.48010968	6.9947693	7.56327161	0.07382055	6.92094876	153.12062	36.63548	0	0	0	0.156	152.964635	2.13998424	0.51201035	97.2819664	8.10683053	0.031263	0.01898122	2.21412931
30	159.8855838	9.13507807	2.47971184	6.99238936	7.56118481	0.07380018	6.91903919	152.892744	36.58096	0	0	0	0.156	152.736991	2.14223871	0.51254975	97.3844528	8.11537107	0.031263	0.01900122	2.21636379
31	159.6560304	9.13540297	2.47931392	6.99009072	7.55909562	0.07377979	6.91712742	152.665123	36.52649	0	0	0	0.156	152.509602	2.14449577	0.51308977	97.4870571	8.12392142	0.031263	0.01902124	2.21866083
32	159.4267292	9.13572825	2.47891591	6.98807282	7.55700401	0.07375937	6.91521345	152.437756	36.47210	0	0	0	0.155	152.282467	2.14675543	0.51363042	97.5897794	8.13248161	0.031263	0.01904128	2.22084045
33	159.1976801	9.13605389	2.47851784	6.98703621	7.55491	0.07373893	6.91329727	152.210644	36.41776	0	0	0	0.155	152.05586	2.14901769	0.51417168	97.6926199	8.14105165	0.031263	0.01906135	2.22308264
34	158.9688828	9.13637991	2.47811968	6.98509736	7.55281358	0.07371847	6.91137889	151.983785	36.36348	0	0	0	0.155	151.828958	2.15128255	0.51471357	97.7955786	8.14963155	0.031263	0.01908144	2.22532741
35	158.7403371	9.13670631	2.47772144	6.98315629	7.55071474	0.07369799	6.9094853	151.757181	36.30926	0	0	0	0.155	151.602584	2.15355002	0.51525608	97.8986559	8.15822132	0.031263	0.01910155	2.22754777
36	158.5120427	9.13703307	2.47732313	6.98112298	7.54861349	0.07367748	6.9075353	151.53083	36.25510	0	0	0	0.154	151.376464	2.15582009	0.51579922	98.0018517	8.16682097	0.031263	0.01912169	2.22982471
37	158.2851047	9.13736021	2.47692474	6.97976743	7.54650894	0.07365694	6.90561049	151.304732	36.20101	0	0	0	0.154	151.150598	2.15809728	0.51634298	98.1051662	8.17543052	0.031263	0.01914184	2.23207700
38	158.0562609	9.13768773	2.47651627	6.97785173	7.54443072	0.07363634	6.90368164	151.078887	36.14697	0	0	0	0.154	150.927136	2.16036498	0.51688717	98.2085994	8.18404987	0.031263	0.01916203	2.23432326
39	157.8286651	9.13801562	2.47612722	6.97536961	7.54222952	0.07361581	6.90175381	150.853725	36.09300	0	0	0	0.154	150.69962	2.162646	0.51743238	98.312152	8.19267933	0.031263	0.01918223	2.23655977
40	157.6013736	9.13834388	2.47572909	6.97347134	7.54018426	0.07359592	6.89982213	150.627956	36.03908	0	0	0	0.153	150.47451	2.16492654	0.51797802	98.4158236	8.20131863	0.031263	0.01920246	2.23885039
41	157.3743323	9.13867252	2.47533039	6.97146281	7.53807088	0.07357458	6.89778824	150.40287	35.98523	0	0	0	0.153	150.249653	2.16720971	0.51852429	98.5196144	8.20996787	0.031263	0.01922271	2.2411133
42	157.147541	9.13900154	2.47493136	6.9695004	7.53595506	0.07355392	6.89595211	150.178035	35.93144	0	0	0	0.153	150.025047	2.1694955	0.51907118	98.6235247	8.21862706	0.031263	0.01924298	2.24337882
43	156.9209993	9.13931309	2.47453274	6.96754701	7.53383681	0.07353325	6.89401376	149.953452	35.87700	0	0	0	0.153	149.800699	2.17178392	0.51961871	98.7275545	8.22729621	0.031263	0.01926328	2.24564694
44	156.6947071	9.13970571	2.47413379	6.96558725	7.53171612	0.07351255	6.8920771	149.729121	35.82403	0	0	0	0.153	149.571591	2.17405498	0.52019501	98.8317041	8.23679334	0.031263	0.01928357	2.24791758
45	156.4686642	9.13999085	2.47373477	6.96362218	7.52959299	0.07349183	6.89013035	149.505042	35.77042	0	0	0	0.152	149.35274	2.17636867	0.52071565	98.9359735	8.24664646	0.031263	0.01930395	2.25019102
46	156.2428702	9.14032137	2.47333567	6.96165637	7.52746741	0.07347108	6.88818529	149.281214	35.71686	0	0	0	0.152	149.12914	2.178665	0.52126507	99.0403629	8.25336357	0.031263	0.01932432	2.25246699
47	156.017325	9.14065228	2.47293649	6.95968683	7.52533939	0.07345031	6.88623799	149.057637	35.66337	0	0	0	0.152	148.90579	2.18096398	0.52181512	99.1448724	8.2620727	0.031263	0.01934471	2.25474557
48	155.7920283	9.14098356	2.47325722	6.95771797	7.52320891	0.07342952	6.88428845	148.83431	35.60994	0	0	0	0.152	148.682691	2.1832656	0.5223659	99.2495022	8.27079185	0.031263	0.01936512	2.25702678
49	155.5689799	9.14131522	2.47307436	6.95574526	7.52107958	0.0734087	6.88233666	148.611235	35.55657	0	0	0	0.152	148.460841	2.18558206	0.52291742	99.3542524	8.27952034	0.031263	0.01938556	2.25931061
50	155.3421796	9.14164727	2.47277846	6.95377048	7.51894059	0.07338786	6.88038262	148.388409	35.50325	0	0	0	0.151	148.237244	2.18787679	0.52346907	99.4609123	8.28826027	0.031263	0.01940602	2.26159707
51	155.1176271	9.14197969	2.47133896	6.95179333	7.51680275	0.07336699	6.87842634	148.165834	35.45000	0	0	0	0.151	151.081496	2.19018636	0.52402166	99.5641147	8.29700955	0.031263	0.01942651	2.26388616
52	154.8933222	9.14231249	2.47093938	6.9498139	7.51466244	0.0733461	6.8764678	147.943508	35.39681	0	0	0	0.151	147.792797	2.1924986	0.52457488	99.669227	8.30576891	0.031263	0.01944702	2.26617788
53	154.6692647	9.14264568	2.47053972	6.94783219	7.51251966	0.07332519	6.874507	147.721433	35.34367	0	0	0	0.150	147.570947	2.19481349	0.52512874	99.7744602	8.31458335	0.031263	0.01946755	2.26847224
54	154.4454543	9.14297924	2.47013997	6.94584819	7.51037442	0.07330425	6.87243593														

14	142.2995297	9.16228246	2.44762237	6.83101834	7.38621173	0.07209237	6.75892597	135.468511	32.41205	0	0	0	0.138	135.330508	2.33126412	0.55777577	105.977396	8.83144968	0.031263	0.02067784	2.40371258
15	142.0894343	9.16263855	2.44721785	6.8288997	7.38392098	0.07207001	6.75682976	135.260535	32.36229	0	0	0	0.138	135.122743	2.33373878	0.55836785	106.089892	8.84082435	0.031263	0.02069979	2.40616529
16	141.8795732	9.16299505	2.44681324	6.82677877	7.38127588	0.07204763	6.75473114	135.052794	32.31259	0	0	0	0.138	134.915215	2.33621629	0.55836786	106.202518	8.85020982	0.031263	0.02071167	2.40862802
17	141.659946	9.16335136	2.44640854	6.82465532	7.37931515	0.0720552	6.7536301	134.845291	32.26294	0	0	0	0.137	134.707922	2.33896965	0.55955407	106.315273	8.85964609	0.031263	0.02074761	2.41107919
18	141.4605527	9.16370928	2.44600375	6.82252942	7.37703287	0.07200278	6.75052664	134.638023	32.21335	0	0	0	0.137	134.500866	2.34117987	0.5601482	106.428158	8.86091318	0.031263	0.02076579	2.41354038
19	141.2513929	9.16406702	2.44559888	6.82040108	7.37473154	0.07198032	6.74842076	134.430992	32.16382	0	0	0	0.137	134.294046	2.34366594	0.56074302	106.541173	8.8784311	0.031263	0.02078784	2.41600044
20	141.0424665	9.16442516	2.44519391	6.81827028	7.37242757	0.07195783	6.74631245	134.224196	32.11434	0	0	0	0.137	134.087461	2.34615488	0.56133852	106.654318	8.88785986	0.031263	0.02080992	2.41847126
21	140.8337733	9.16478731	2.44478886	6.81613703	7.37012094	0.07193532	6.74420171	134.017636	32.06497	0	0	0	0.137	133.881111	2.34864668	0.5619347	106.765794	8.89729298	0.031263	0.02083202	2.42049097
22	140.625113	9.16514268	2.44438372	6.81400132	7.36781165	0.07191278	6.74230885	133.811312	32.01555	0	0	0	0.136	133.674997	2.35114135	0.56253158	106.880999	8.90674996	0.031263	0.02085415	2.42341351
23	140.4170854	9.16550236	2.44397485	6.81186316	7.36549971	0.07189021	6.73997295	133.612232	31.96624	0	0	0	0.136	133.460127	2.35368645	0.56312914	106.994538	8.91621132	0.031263	0.02087761	2.42588899
24	140.2090093	9.16586185	2.44351738	6.80972253	7.3631851	0.07186762	6.73785491	133.399368	31.91659	0	0	0	0.136	133.263473	2.35613932	0.56372738	107.108201	8.92568357	0.031263	0.02089848	2.42836714
25	140.0013275	9.16622205	2.44316778	6.80757944	7.36086782	0.071845	6.73573434	133.193748	31.86779	0	0	0	0.136	133.058062	2.35864261	0.56432632	107.222001	8.93516672	0.031263	0.02092068	2.43084823
26	139.7937968	9.16658267	2.44276228	6.80543388	7.35854788	0.07182236	6.73361152	132.988363	31.81865	0	0	0	0.135	132.852887	2.36114879	0.56492594	107.33593	8.9446608	0.031263	0.02094291	2.43332128
27	139.586498	9.1669437	2.4423567	6.80328585	7.35625257	0.07179969	6.73148616	132.783212	31.76957	0	0	0	0.135	132.647945	2.36365785	0.56552626	107.44999	8.95416579	0.031263	0.02096516	2.43581899
28	139.3794309	9.16730515	2.44195103	6.80113534	7.35389998	0.07177699	6.72938585	132.578296	31.72054	0	0	0	0.135	132.443237	2.36616981	0.56613277	107.564181	8.96368173	0.031263	0.02098744	2.43830866
29	139.1725951	9.16767601	2.44154527	6.79898236	7.35157202	0.07175427	6.72722809	132.373613	31.67157	0	0	0	0.135	132.238761	2.36868465	0.56672807	107.678504	8.97320863	0.031263	0.02100975	2.4408012
30	138.9659907	9.16802929	2.44113942	6.7968269	7.34924137	0.07173152	6.72509538	132.169164	31.62265	0	0	0	0.135	132.034522	2.37120238	0.56733136	107.792958	8.98274648	0.031263	0.02103208	2.4432966
31	138.7596172	9.16839198	2.44073348	6.79466986	7.34690805	0.07170875	6.72296021	131.964948	31.57379	0	0	0	0.134	131.830514	2.37372302	0.56793444	107.907544	8.99229532	0.031263	0.02105444	2.44579488
32	138.5534746	9.16875509	2.44032745	6.79250854	7.34457203	0.07168595	6.72082259	131.760966	31.52424	0	0	0	0.134	131.62674	2.37624655	0.56853822	108.022262	9.00185154	0.031263	0.02107682	2.44829269
33	138.3475625	9.16911862	2.43992134	6.79034563	7.34223333	0.07166312	6.7186845	131.557217	31.47649	0	0	0	0.134	131.423198	2.37877299	0.56914269	108.137112	9.01142597	0.031263	0.02109923	2.45089006
34	138.1418808	9.16948257	2.43955113	6.78818023	7.33980193	0.07164027	6.71653996	131.353701	31.42755	0	0	0	0.134	131.219880	2.38130234	0.56974786	108.252094	9.02100781	0.031263	0.02112167	2.45330098
35	137.9364294	9.16984693	2.43910883	6.78601233	7.33754784	0.07161739	6.71439494	131.150417	31.37891	0	0	0	0.134	131.016813	2.3838346	0.57035373	108.367208	9.03060068	0.031263	0.02114413	2.45581677
36	137.7312078	9.17021171	2.43870245	6.78384194	7.33520105	0.07159449	6.71224746	130.947366	31.33033	0	0	0	0.133	130.813969	2.38636977	0.57096029	108.482455	9.04020459	0.031263	0.02116661	2.45832946
37	137.5262161	9.17057691	2.43829597	6.78166905	7.33285156	0.07157155	6.7100975	130.744547	31.28180	0	0	0	0.133	130.611356	2.38890786	0.57156755	108.597835	9.04981955	0.031263	0.02118913	2.46084504
38	137.3214539	9.17094254	2.4378894	6.77949366	7.33049937	0.0715486	6.70794507	130.54196	31.23351	0	0	0	0.133	130.408976	2.39144887	0.57217551	108.713347	9.05944557	0.031263	0.02121166	2.46336351
39	137.116921	9.17130858	2.43748274	6.77731577	7.32814447	0.07152561	6.70579016	130.339605	31.18492	0	0	0	0.133	130.206827	2.39399281	0.57278417	108.828992	9.06908267	0.031263	0.02123434	2.46584888
40	136.9126172	9.17167503	2.43702627	6.77507626	7.32591526	0.0715026	6.70365177	130.137482	31.13656	0	0	0	0.133	130.004911	2.39647597	0.57338477	108.94477	9.07927386	0.031263	0.02125682	2.46840915
41	136.7085424	9.17204192	2.43666916	6.77292456	7.32342653	0.07147956	6.7014729	129.93559	31.08825	0	0	0	0.132	129.803223	2.3990846	0.57399068	109.060682	9.08839016	0.031263	0.02127921	2.47093633
42	136.5046962	9.17240293	2.43626223	6.77076704	7.32106349	0.0714565	6.69931054	129.733929	31.04000	0	0	0	0.132	129.601768	2.40164219	0.57461435	109.176727	9.09806056	0.031263	0.02130208	2.47346641
43	136.3010786	9.17277695	2.43585521	6.76857911	7.31869773	0.07143341	6.6971457	129.5325	30.99181	0	0	0	0.132	129.400544	2.40419785	0.57522582	109.292905	9.10774209	0.031263	0.02132475	2.47599994
44	136.0976893	9.1731451	2.4354481	6.76638865	7.31632924	0.07141029	6.69497836	129.331301	30.94363	0	0	0	0.132	129.19955	2.40675645	0.57583799	109.409217	9.11734367	0.031263	0.02134744	2.47853531
45	135.894528	9.17351367	2.4350049	6.76419568	7.31395803	0.07138715	6.69280853	129.130332	30.89559	0	0	0	0.132	128.998786	2.409318	0.57645086	109.525663	9.12713858	0.031263	0.02137016	2.48107414
46	135.6915946	9.17388231	2.43456136	6.7620019	7.3115841	0.07136397	6.69063623	128.929594	30.84756	0	0	0	0.132	128.798726	2.41189164	0.57706231	109.642421	9.13685357	0.031263	0.02139284	2.48361589
47	135.4888889	9.17425209	2.43422622	6.75980216	7.30920743	0.07134078	6.68846138	128.729087	30.79958	0	0	0	0.131	128.597949	2.41444093	0.57767872	109.758057	9.14657073	0.031263	0.02141568	2.48616056
48	135.2864106	9.17462194	2.43381874	6.7576016	7.30682802	0.07131755	6.68628405	128.528809	30.75167	0	0	0	0.131	128.397876	2.41702033	0.57829371	109.875805	9.15631708	0.031263	0.02143848	2.48870815
49	135.0841596	9.1749922	2.43341118	6.75539852	7.30444588	0.0712943	6.68410422	128.328761	30.70380	0	0	0	0.131	128.198031	2.41953369	0.57890941	109.992788	9.16606563	0.031263	0.0214613	2.49125868
50	134.8821356	9.1753629	2.43300352	6.7531929	7.302061	0.07127103	6.68192187	128.128943	30.65599	0	0	0	0.131	127.999817	2.42217	0.57952581	110.109995	9.17582339	0.031263	0.02148415	2.49381215
51	134.6803384	9.17573403	2.43259577	6.75090014	7.29967334	0.07124792	6.67973903	127.929357	30.60802	0	0	0	0.131	127.799931	2.42474918	0.58014293	110.227157	9.1859638	0.031263	0.02150701	2.49636885
52	134.4787679	9.17610557	2.43218792	6.74877405	7.297283	0.07122439	6.67754966	127.729994	30.56054	0	0	0	0.130	127.598074	2.42733152	0.58076075	110.344543	9.19537861	0.031263	0.02152994	2.49892789
53	134.2774238	9.17647754	2.43177999	6.74656801	7.29488988	0.07120103	6.67535978	127.530863	30.51290	0	0	0	0.130	127.400946	2.42991673	0.58133929	110.462065	9.20517209	0.031263	0.02155287	2.50149017
54	134.0763059	9.17684994	2.43137196	6.74434502	7.29249041	0.07117765	6.67316738	127.331961	30.46531	0	0	0	0.130	127.202247	2.43250492	0.58199854	110.579722	9.21497683	0.031263	0.02157582	2.50405554
55	133.875414	9.17722277	2.43096384	6.74212669	7.29009538	0.07115424	6.67097245	127.133287	30.41777	0	0	0	0.130	127.003776	2.43509608	0.5826185	110.697514	9.22479284	0.031263	0.02159881	2.50662358
56	133.6734748	9.17759603	2.43055563	6.73990581	7.28769399	0.07113108	6.66877051	126.													

16	122.7915799	9.1919979	2.4075442	6.6113777	7.14871972	0.06977435	6.54160334	116.180202	27.79715	0	0	0	0.118	116.061848	2.58782009	0.61915908	117.640225	9.80335207	0.0931263	0.02295344	2.65799295
17	122.6034517	9.1995963	2.4071305	6.60900674	7.14615606	0.06974933	6.53925471	115.994445	27.75271	0	0	0	0.118	115.87628	2.59058956	0.6198217	117.766123	9.81384679	0.0931263	0.0202978	2.66073786
18	122.525428	9.19995927	2.4067167	6.60663307	7.14358947	0.06972428	6.53690879	115.808905	27.70832	0	0	0	0.118	115.69929	2.5933622	0.62048508	117.892165	9.82434706	0.0931263	0.2300259	2.6634859
19	122.278379	9.20029469	2.40630381	6.60425668	7.14101994	0.0696992	6.53455794	115.623581	27.66397	0	0	0	0.118	115.505794	2.59613801	0.62114932	118.018531	9.83486259	0.0931263	0.02302721	2.6662371
20	122.0403519	9.20079458	2.40588881	6.60187757	7.13844746	0.06967409	6.53202348	115.438474	27.61699	0	0	0	0.118	115.320876	2.59891701	0.62181412	118.144682	9.84539016	0.0931263	0.02305186	2.66899144
21	121.8530796	9.20119492	2.40547471	6.59949574	7.13587205	0.06964896	6.52984678	115.253584	27.57545	0	0	0	0.117	115.136174	2.60169919	0.62247978	118.271157	9.85929729	0.0931263	0.02307654	2.67174894
22	121.6660208	9.20159572	2.40506052	6.59711118	7.13329368	0.06962379	6.52748739	115.06891	27.53126	0	0	0	0.117	114.951688	2.60448455	0.6231462	118.397778	9.86648148	0.0931263	0.02310125	2.6745096
23	121.4791752	9.20199699	2.40464622	6.59472389	7.13071237	0.06959859	6.52512529	114.884451	27.48713	0	0	0	0.117	114.767417	2.60727731	0.62381338	118.524543	9.87705426	0.0931263	0.02312598	2.67727342
24	121.2925428	9.20219871	2.40421821	6.59233387	7.1281281	0.06957337	6.5227605	114.702029	27.44305	0	0	0	0.117	114.583363	2.61064484	0.62461433	118.651454	9.88762131	0.0931263	0.02315074	2.6800404
250	121.1061233	9.20280949	2.40381732	6.58994112	7.12554087	0.06954812	6.5203991	114.515182	27.39902	0	0	0	0.118	114.399621	2.61589187	0.62515905	118.778501	9.89820911	0.0931263	0.02317531	2.68283105
26	120.9191965	9.20320355	2.40340272	6.58720569	7.12295069	0.06952284	6.51802279	114.332371	27.35504	0	0	0	0.116	114.258393	2.61655792	0.62581953	118.905751	9.90880921	0.0931263	0.02320035	2.6855387
27	120.7339222	9.20360666	2.40298802	6.58514739	7.12035754	0.06949753	6.51564987	114.148775	27.31111	0	0	0	0.116	114.03249	2.61845926	0.62648977	119.033057	9.91924143	0.0931263	0.0232252	2.68836037
28	120.5481403	9.20401023	2.40257321	6.58274642	7.11776143	0.06947219	6.51327423	113.965394	27.26724	0	0	0	0.116	113.849296	2.62126381	0.62716079	119.16055	9.93004581	0.0931263	0.02325208	2.69114004
29	120.3625705	9.20441427	2.40215581	6.5803427	7.11516234	0.06944682	6.51058988	113.782228	27.22341	0	0	0	0.116	113.666317	2.62407157	0.62783257	119.288188	9.94068233	0.0931263	0.02327498	2.69392289
30	120.1772127	9.20481877	2.40174133	6.57793823	7.11256029	0.06942142	6.50851481	113.599726	27.17864	0	0	0	0.116	113.483552	2.62688254	0.62859212	119.415972	9.95133103	0.0931263	0.02329891	2.69670892
31	119.9920666	9.20523733	2.40133813	6.57552701	7.10995525	0.069396	6.50653102	113.41654	27.13592	0	0	0	0.116	113.301001	2.62969672	0.62937844	119.543903	9.96199191	0.0931263	0.02332487	2.69949814
32	119.8071322	9.20562916	2.40091298	6.57311504	7.10734725	0.06937504	6.5037445	113.234017	27.09225	0	0	0	0.115	113.118665	2.63251412	0.62985253	119.67198	9.97266498	0.0931263	0.02334986	2.70229056
33	119.6224091	9.20603506	2.40049767	6.57070031	7.10473626	0.06934506	6.50135525	113.051709	27.04863	0	0	0	0.115	112.936542	2.63533475	0.63052739	119.800203	9.98355026	0.0931263	0.02337488	2.70508617
34	119.4378972	9.20644142	2.40082226	6.56828282	7.10212229	0.06931954	6.49896328	112.869614	27.00506	0	0	0	0.115	112.754633	2.63815186	0.63120302	119.928573	9.99407477	0.0931263	0.02339993	2.70788497
35	119.2535964	9.20684825	2.39966674	6.56586257	7.09950533	0.069294	6.49656857	112.687734	26.96155	0	0	0	0.115	112.572938	2.64098568	0.63187942	120.05709	10.0047575	0.0931263	0.02342501	2.71066698
36	119.0695054	9.20725554	2.39925112	6.56343955	7.09686838	0.06926843	6.49417112	112.506067	26.91808	0	0	0	0.115	112.391456	2.64381599	0.6325556	120.185754	10.0154795	0.0931263	0.02345011	2.71349218
37	118.885627	9.2076633	2.3988154	6.56101376	7.09426244	0.06924283	6.49177094	112.324613	26.87467	0	0	0	0.114	112.210187	2.64664954	0.63323455	120.314565	10.0262137	0.0931263	0.02347524	2.7163006
38	118.701958	9.20807153	2.39841958	6.55858521	7.0916365	0.0692172	6.48936801	112.143373	26.83130	0	0	0	0.114	112.029131	2.64948633	0.63391328	120.43523	10.0369602	0.0931263	0.02350034	2.71911223
39	118.5184994	9.20848023	2.39800365	6.55615388	7.08907055	0.06919154	6.48692634	111.962345	26.78799	0	0	0	0.114	111.848288	2.65232636	0.63459278	120.572628	10.047719	0.0931263	0.02352559	2.72192706
40	118.3352508	9.2088894	2.39758762	6.55371977	7.08637562	0.06916585	6.48455392	111.781531	26.74473	0	0	0	0.114	111.667585	2.65516063	0.63527306	120.701881	10.0584901	0.0931263	0.02355081	2.72474573
41	118.152212	9.20929904	2.39717149	6.55128288	7.08374067	0.0691403	6.48214275	111.600929	26.70152	0	0	0	0.114	111.487428	2.65801616	0.63595411	120.831282	10.0692735	0.0931263	0.02357606	2.7273664
42	117.969383	9.20970912	2.39675123	6.54884121	7.08071027	0.06911438	6.47972883	111.42054	26.65836	0	0	0	0.114	111.307287	2.66086932	0.63662937	120.958092	10.080092	0.0931263	0.02360134	2.73039909
43	117.7867635	9.21011972	2.39633581	6.54600876	7.07846175	0.06908861	6.47731215	111.240363	26.61525	0	0	0	0.113	111.127041	2.66371897	0.63731856	121.090507	10.0908772	0.0931263	0.02362665	2.73312662
44	117.6043533	9.21053077	2.39592247	6.54395551	7.07581777	0.0690628	6.47489271	111.060398	26.57219	0	0	0	0.113	110.94776	2.66657526	0.63800196	121.220372	10.1016976	0.0931263	0.02365198	2.73604958
45	117.4221523	9.21094229	2.39550592	6.54150748	7.07317077	0.06903697	6.47247051	110.880645	26.52918	0	0	0	0.113	110.76769	2.66943481	0.63868613	121.350365	10.1125304	0.0931263	0.02367734	2.73888377
46	117.2401602	9.21135428	2.39508927	6.53905665	7.07052076	0.069011	6.47004555	110.701104	26.48623	0	0	0	0.113	110.588331	2.67229763	0.63937018	121.480506	10.1233755	0.0931263	0.02370274	2.74172112
47	117.0583769	9.21176675	2.39467252	6.53660303	7.06786771	0.06898521	6.46761782	110.521774	26.44332	0	0	0	0.113	110.409184	2.67516372	0.64005682	121.610796	10.134233	0.0931263	0.02372816	2.74456186
48	116.8768021	9.21217901	2.39425566	6.53414661	7.06509928	0.06895928	6.46518737	110.340528	26.40047	0	0	0	0.112	110.232487	2.67803197	0.64075122	121.741221	10.1453298	0.0931263	0.02375361	2.74740577
49	116.6954358	9.2125931	2.39381387	6.53168738	7.06255255	0.06893333	6.46275405	110.163748	26.35766	0	0	0	0.112	110.051524	2.68090572	0.64143065	121.871823	10.1559852	0.0931263	0.02377909	2.75025293
50	116.5142776	9.21300698	2.39342163	6.52922535	7.05989041	0.06890734	6.46031801	109.985052	26.31491	0	0	0	0.112	109.87301	2.68378163	0.64211873	122.00256	10.16688	0.0931263	0.0238046	2.75310334
51	116.3332375	9.21342134	2.39300446	6.52676052	7.05725255	0.06888133	6.45787918	109.806567	26.27220	0	0	0	0.112	109.694706	2.68666083	0.64280761	122.133446	10.1777871	0.0931263	0.02383013	2.75595699
52	116.1525852	9.21383618	2.39285719	6.52429287	7.05453758	0.06885529	6.45543758	109.628292	26.22925	0	0	0	0.112	109.516613	2.68954331	0.64349727	122.264481	10.1887067	0.0931263	0.0238557	2.75881391
53	115.9720856	9.21424182	2.39248079	6.52182741	7.05185879	0.06882922	6.45299319	109.450228	26.18695	0	0	0	0.112	109.335124	2.69242082	0.64418771	122.395668	10.1996442	0.0931263	0.02388133	2.76167409
54	115.7917234	9.21466728	2.39175232	6.51934913	7.0492115	0.06880311	6.45054602	109.272374	26.14439	0	0	0	0.111	109.16058	2.69533185	0.64487895	122.527	10.2105834	0.0931263	0.02390692	2.76453753
55	115.6116036	9.21508354	2.39133473	6.51687304	7.04653416	0.06877698	6.44809605	109.094731	26.10189	0	0	0	0.111	108.983595	2.69821051	0.64557097	122.658485	10.2215404	0.0931263	0.023931258	2.76740423
56	115.4316908	9.21550028	2.39091704	6.51439432	7.04385377	0.06875082	6.4456453	108.917297	26.05944	0	0	0	0.111	108.806342	2.70110617	0.64626378	122.790119	10.2325099	0.0931263	0.02395826	2.77027421
57	115.2519849	9.2159175	2.39049924	6.51191238	7.04117032	0.06872463	6.44318775	108.740073	26.01703	0	0	0	0.111	108.629298	2.70400513	0.64695739	122.921903	10.243492	0.0931263	0.02398398	2.77314745
58	115.0724858	9.2163352	2.39008133	6.50942781	7.03844832	0.06															

18	105.3449007	9.24050568	2.36650636	6.36569384	6.88306782	0.06718149	6.29851236	98.9792069	23.68166	0	0	0	0.101	98.8783758	2.87481184	0.68782442	130.68664	0.8905533	0.031263	0.025499	2.94243915
19	105.1768882	8.2409515	2.36608222	6.36304354	6.88020211	0.06715351	6.29589002	98.8138447	23.64210	0	0	0	0.100	98.7131821	2.87790797	0.6885652	130.827387	0.9022823	0.031263	0.02552646	2.94550781
20	105.0969721	9.24139783	2.366565798	6.36039024	6.87731317	0.06712551	6.29326473	98.6468819	23.60258	0	0	0	0.100	98.5484876	2.88100759	0.68930681	130.968289	0.9140245	0.031263	0.02553395	2.94857994
21	104.8414523	9.23484667	2.36521362	6.35773206	6.874461	0.06709748	6.29063648	98.4837183	23.56311	0	0	0	0.100	98.3833921	2.88411071	0.69040456	131.109359	0.9265799	0.031263	0.02558147	2.95165554
22	104.6740285	9.24229022	2.36480914	6.35507468	6.87158559	0.06706041	6.28800527	98.3189539	23.52369	0	0	0	0.100	98.2187954	2.88721734	0.69079255	131.250584	0.93975486	0.031263	0.02560903	2.95473461
23	104.5068007	9.24273988	2.36438456	6.35241241	6.86870694	0.06704132	6.28537109	98.1543883	23.48431	0	0	0	0.100	98.0543975	2.89032747	0.69153667	131.391968	0.9493306	0.031263	0.02563662	2.95781715
24	104.3397686	9.24318824	2.36395986	6.34974714	6.86582505	0.06701319	6.28273395	97.9900215	23.44499	0	0	0	0.100	97.8901982	2.8934411	0.69228614	131.535351	0.9611259	0.031263	0.02566423	2.960390717
25	104.1729321	9.24363712	2.36335504	6.34707887	6.86293991	0.06698503	6.28009384	97.8285832	23.40571	0	0	0	0.100	97.7261972	2.89655825	0.69302764	131.675214	0.9729345	0.031263	0.02569188	2.96399367
26	104.008291	9.24408651	2.36311011	6.34440079	6.86005155	0.06695064	6.27745076	97.661304	23.36848	0	0	0	0.099	97.5623943	2.89967892	0.69377409	131.817077	0.9847564	0.031263	0.02571956	2.96708366
27	103.8398451	9.24453647	2.36268507	6.34173381	6.85715989	0.06692661	6.27480417	97.4981118	23.32729	0	0	0	0.099	97.3987986	2.90382167	0.69452358	131.959359	0.9965977	0.031263	0.02574721	2.97101813
28	103.6735943	9.24498683	2.36225991	6.33905603	6.85425051	0.06690636	6.27215567	97.3345382	23.28616	0	0	0	0.099	97.2353827	2.9059308	0.69526991	132.101283	1.0084402	0.031263	0.02577501	2.97328209
29	103.5075383	9.24543736	2.36183464	6.33635753	6.85136687	0.06687207	6.26950366	97.1711266	23.24907	0	0	0	0.099	97.0721374	2.90906203	0.69601908	132.243626	1.0203022	0.031263	0.02580279	2.97638555
30	103.3416771	9.2458892	2.36140926	6.33369241	6.84846547	0.06684375	6.26684866	97.0079847	23.21003	0	0	0	0.099	96.9091618	2.91219679	0.6967691	132.386129	1.0302174	0.031263	0.02583059	2.9794925
31	103.1760104	9.24634116	2.36098375	6.33100608	6.8455608	0.0668154	6.26419068	96.8450043	23.17103	0	0	0	0.099	96.7463475	2.91533508	0.69751597	132.528793	1.04040661	0.031263	0.02585843	2.98260295
32	103.005381	9.24677463	2.36055814	6.32831073	6.84265288	0.06678702	6.26152971	96.6822214	23.13209	0	0	0	0.098	96.5897303	2.9184749	0.69827667	132.671618	1.05059882	0.031263	0.0258863	2.98571169
33	102.8452091	9.24724662	2.36013241	6.32562436	6.83974168	0.06675986	6.25886576	96.5196357	23.09319	0	0	0	0.098	96.4213101	2.92162225	0.69902423	132.814663	1.06078936	0.031263	0.02593419	2.98883436
34	102.680176	9.24770012	2.35970656	6.32292897	6.83682722	0.06673016	6.25619881	96.357247	23.05433	0	0	0	0.098	96.259087	2.92477115	0.69977763	132.95775	1.0798125	0.031263	0.02594212	2.99195533
35	102.5152858	9.24815414	2.3592806	6.32023054	6.83390948	0.06670168	6.25352886	96.1950553	23.01553	0	0	0	0.098	96.0970605	2.92792359	0.70053188	133.101057	1.0917548	0.031263	0.02597009	2.99507981
36	102.3505894	9.24860867	2.35885452	6.31752909	6.83098846	0.06667317	6.25085592	96.0330603	22.97677	0	0	0	0.098	96.9532305	2.93107958	0.70128608	133.244526	1.1037105	0.031263	0.02599808	2.9982078
37	102.1860865	9.24906372	2.35824833	6.3148246	6.82806417	0.06664463	6.24817997	95.8712619	22.93806	0	0	0	0.098	95.7735969	2.93423912	0.70204293	133.388156	1.1156797	0.031263	0.0260261	3.00133992
38	102.0217769	9.24951929	2.35800202	6.31211708	6.82513659	0.06661605	6.24550103	95.7095998	22.89939	0	0	0	0.098	95.6121595	2.93740221	0.70279972	133.531048	1.1276623	0.031263	0.02605416	3.00447435
39	101.8576605	9.24997538	2.3575756	6.30940652	6.82220573	0.06658745	6.24281907	95.548254	22.86077	0	0	0	0.097	95.4501881	2.94056886	0.70355737	133.675901	1.1396584	0.031263	0.02608225	3.00761291
40	101.6937372	9.25043199	2.35714906	6.30669292	6.81927158	0.06655881	6.24013411	95.3870443	22.82220	0	0	0	0.097	95.2898726	2.94373907	0.70431587	133.820016	1.1515668	0.031263	0.02611037	3.010755
41	101.5300068	9.25088912	2.3567224	6.30397628	6.81633414	0.06653014	6.23744614	95.2260305	22.78368	0	0	0	0.097	95.1290229	2.94691284	0.70507523	133.964293	1.1636911	0.031263	0.02613852	3.01390062
42	101.366469	9.25134676	2.35629563	6.30125659	6.81339341	0.06650144	6.23475515	95.0652124	22.74520	0	0	0	0.097	94.9683686	2.95009017	0.70583543	134.108732	1.1757277	0.031263	0.0261667	3.01704977
43	101.2031238	9.25180493	2.35586874	6.29853385	6.81044938	0.06647127	6.23206115	94.9045899	22.70657	0	0	0	0.097	94.8079097	2.95327108	0.70659469	134.253334	1.1877778	0.031263	0.02619491	3.02020246
44	101.0399709	9.25226782	2.35541744	6.29580625	6.80754293	0.06644093	6.22956413	94.7441621	22.66828	0	0	0	0.096	94.6420466	2.95649155	0.70732988	134.399097	1.1998672	0.031263	0.02622314	3.02335889
45	100.8770102	9.25272283	2.35501474	6.29307922	6.80465153	0.06641266	6.22666409	94.583931	22.63005	0	0	0	0.096	94.4845775	2.9595436	0.70812118	134.543024	1.2119186	0.031263	0.02625144	3.02651847
46	100.7142416	9.25318256	2.35458737	6.29034732	6.80159749	0.0663863	6.22396102	94.4238942	22.59176	0	0	0	0.096	94.3277038	2.96283253	0.7088848	134.688112	1.2240094	0.031263	0.02627975	3.02968179
47	100.5516648	9.25364281	2.35416002	6.28761237	6.79864634	0.06635744	6.22125493	94.2640524	22.55352	0	0	0	0.096	94.1680248	2.96603044	0.70964928	134.833364	1.2361137	0.031263	0.02630809	3.03284866
48	100.3892797	9.25410359	2.35373255	6.28487435	6.79567997	0.06632854	6.21854581	94.1044053	22.51532	0	0	0	0.096	94.0085403	2.96922924	0.71041463	134.978779	1.2482316	0.031263	0.02633646	3.03601908
49	100.2270861	9.25456489	2.35330496	6.28213327	6.79271583	0.06629961	6.21583365	93.9952929	22.47717	0	0	0	0.096	93.8492593	2.97243162	0.71130882	135.124357	1.260363	0.031263	0.02636486	3.03919306
50	100.0650339	9.25502787	2.35291721	6.27954865	6.78962705	0.06627055	6.21311845	93.7856148	22.43907	0	0	0	0.095	93.70841845	2.97561676	0.71206298	135.270099	1.2725081	0.031263	0.0263933	3.04242706
51	99.90327293	9.25548906	2.35244942	6.2766419	6.78677815	0.06624166	6.21040024	93.626631	22.40101	0	0	0	0.095	93.5312527	2.97884716	0.71271518	135.416002	1.2846658	0.031263	0.02642177	3.0455517
52	99.74165297	9.25595193	2.35202148	6.27389161	6.78380433	0.06621263	6.20767897	93.4677614	22.36300	0	0	0	0.095	93.3725449	2.98206033	0.71348458	135.56207	1.2968392	0.031263	0.02645027	3.04873636
53	99.5802387	9.25641533	2.35159342	6.27113824	6.78082718	0.06618358	6.20495466	93.3090856	22.32513	0	0	0	0.095	93.2140308	2.98527709	0.71425422	135.708301	1.3090251	0.031263	0.0264784	3.05192459
54	99.41898548	9.25687926	2.35116524	6.2683818	6.77786671	0.06615449	6.20227231	93.1506037	22.28703	0	0	0	0.095	93.0557103	2.98849746	0.71502472	135.854697	1.3212247	0.031263	0.02650678	3.0551164
55	99.25793762	9.25733211	2.35073925	6.26562373	6.77486679	0.06612536	6.19949687	92.992133	22.24804	0	0	0	0.095	92.8915874	2.99172144	0.71579908	136.001256	1.333439	0.031263	0.02653498	3.05831178
56	99.09708014	9.25780869	2.35030853	6.26285967	6.77187577	0.06609621	6.19676346	92.8342205	22.21142	0	0	0	0.095	92.7396494	2.99494002	0.71656831	136.147979	1.345665	0.031263	0.02656459	3.06151073
57	98.93641286	9.2582742	2.3498	6.26009398	6.7688853	0.06606702	6.19402696	92.6763189	22.17364	0	0	0	0.094	92.5819087	2.99818022	0.71734141	136.294867	1.3579056	0.031263	0.02659325	3.06471327
58	98.77593563	9.25874023	2.34945135	6.2573252	6.76589149	0.0660378	6.19128741	92.5186104	22.13590	0	0	0	0.094	92.4243609	3.00141503	0.71811536	136.441919	1.3701599	0.031263	0.02662194	3.06791939
59	98.61564828	9.2592068	2.34902258	6.25455334	6.76289433	0.06600854	6.18854479	92.3610949	22.09822	0	0	0	0.094	92.2670059	3.00465346	0.71889019	136.589355	1.382428	0.031263	0.02665062	3.0711291
60	98.45555064	9.2596738	2.34859369	6.25177838	6.75989384	0.06597926	6.18579912	92.2037223	22.06058	0	0										

20	89.78789614	9.28669138	2.32438212	6.09136764	6.58644567	0.06428633	6.02708131	83.6965285	20.02514	0	0	0	0.0085	83.6112661	3.19532373	0.76450975	145.256853	12.1047378	0.0931263	0.02834187	3.26010816
21	89.63834739	9.2874897	2.32394624	6.08841231	6.58325014	0.06425515	6.02415716	83.5499351	19.90007	0	0	0	0.0085	83.464822	3.19877716	0.76533602	145.413843	12.1178203	0.0931263	0.0283725	3.26353096
22	89.48897916	9.28768813	2.32351022	6.08545374	6.58005111	0.06422992	6.02122982	83.4035254	19.95004	0	0	0	0.0085	83.3185615	3.2023438	0.76636319	145.571006	12.1309171	0.0931263	0.02840317	3.26795932
23	89.33379311	9.28814784	2.32307408	6.08249104	6.57684859	0.06419266	6.01829928	83.2572994	19.92005	0	0	0	0.0085	83.1724884	3.20566554	0.766999127	145.723841	12.1440284	0.0931263	0.02843387	3.27038784
24	89.19078367	9.28868711	2.32263782	6.0795269	6.57364256	0.06416137	6.01353653	83.1132568	19.88511	0	0	0	0.0085	83.0265096	3.20916021	0.76782025	145.885848	12.1571554	0.0931263	0.02846464	3.27382192
25	89.0419561	9.28918744	2.32220142	6.07655862	6.57043303	0.06413005	6.01242857	82.9653975	19.85021	0	0	0	0.0085	82.8808799	3.21262883	0.76865051	146.043529	12.1702941	0.0931263	0.02849536	3.27725976
26	88.93308745	9.28968834	2.3217649	6.0735871	6.56722	0.06409868	6.00948841	82.8197214	19.81536	0	0	0	0.0084	82.7353521	3.21610124	0.76948069	146.201382	12.1834485	0.0931263	0.02852616	3.28070138
27	88.74484056	9.29018979	2.32132825	6.07061233	6.56400346	0.06406729	6.00654504	82.6742282	19.78055	0	0	0	0.0084	82.5900072	3.21957746	0.77031267	146.359408	12.1966173	0.0931263	0.028557	3.28414677
28	88.5955228	9.29068911	2.32089148	6.06763431	6.5607834	0.06403586	6.00359845	82.528918	19.74578	0	0	0	0.0084	82.444845	3.22305735	0.771453	146.517607	12.2098006	0.0931263	0.02858786	3.28795932
29	88.44684446	9.29119438	2.32037408	6.06465305	6.55755986	0.06400404	6.00064585	82.3873903	19.71106	0	0	0	0.0084	82.29984615	3.22564133	0.77197884	146.679598	12.2229983	0.0931263	0.02861847	3.29170487
30	88.30051394	9.29169752	2.32001754	6.06166854	6.55433275	0.06397299	5.99759654	82.238454	19.67538	0	0	0	0.0084	82.1550679	3.22803998	0.77281329	146.834526	12.2362105	0.0931263	0.02864697	3.29450559
31	88.15276357	9.29220212	2.31958038	6.05868077	6.55110215	0.06394137	5.9947394	82.0940828	19.64174	0	0	0	0.0084	82.0104528	3.23352045	0.77364866	146.993245	12.2494371	0.0931263	0.02868607	3.29796609
32	88.00519221	9.29270549	2.31914309	6.05568975	6.54786803	0.06390098	5.99177994	81.9495025	19.60715	0	0	0	0.0083	81.8660198	3.23701574	0.77448494	147.152138	12.2626782	0.0931263	0.02871167	3.30143037
33	87.85779971	9.29321032	2.31870567	6.05269546	6.54463093	0.0638782	5.98881726	81.8051042	19.57260	0	0	0	0.0083	81.7217686	3.24051485	0.77532213	147.311205	12.2759338	0.0931263	0.02874271	3.30489845
34	87.7105859	9.29371571	2.31826813	6.04969792	6.54138922	0.06384657	5.98585136	81.6608881	19.53810	0	0	0	0.0083	81.5776993	3.24401799	0.77619304	147.470446	12.2892038	0.0931263	0.02877378	3.30837031
35	87.56355064	9.29421762	2.31783045	6.04669712	6.53814453	0.0638149	5.98288222	81.5168335	19.50364	0	0	0	0.0083	81.4338111	3.24752455	0.77699926	147.629896	12.3024884	0.0931263	0.02880485	3.31184597
36	87.41669378	9.29472819	2.31739265	6.04369305	6.5348963	0.06378319	5.97990986	81.3730007	19.46922	0	0	0	0.0083	81.2901053	3.25103514	0.77783921	147.789440	12.3157874	0.0931263	0.02883602	3.31532542
37	87.27001517	9.29523528	2.31695472	6.04068572	6.53164455	0.06375145	5.97693426	81.2293295	19.43484	0	0	0	0.0083	81.1465804	3.25454957	0.77868006	147.949212	12.329101	0.0931263	0.02886719	3.31880667
38	87.12351465	9.29574294	2.31651666	6.03767511	6.52838926	0.06371968	5.97395345	81.0858395	19.40051	0	0	0	0.0083	81.0032367	3.25806782	0.77952184	148.109149	12.3422451	0.0931263	0.02889884	3.32229753
39	86.97719209	9.29625116	2.31607847	6.03466124	6.52513043	0.06368787	5.97079336	80.9425308	19.36622	0	0	0	0.0082	80.860074	3.26158992	0.78036453	148.269261	12.3557717	0.0931263	0.02892964	3.32578658
40	86.83104732	9.29675995	2.31564015	6.03164409	6.52186806	0.06365603	5.96798806	80.7994032	19.33198	0	0	0	0.0082	80.7170921	3.26511586	0.78120814	148.429547	12.3691289	0.0931263	0.02896091	3.32928124
41	86.6850802	9.29726793	2.3152017	6.02863267	6.51860215	0.06362415	5.96499951	80.6564655	19.29778	0	0	0	0.0082	80.5472911	3.26846564	0.78205267	148.590008	12.3825007	0.0931263	0.02899222	3.33277772
42	86.53929057	9.29777923	2.31476312	6.02559997	6.5153327	0.06359224	5.96200773	80.5136906	19.26362	0	0	0	0.0082	80.4316706	3.27217926	0.78289812	148.750644	12.395887	0.0931263	0.02902356	3.336282
43	86.3936783	9.29828972	2.31432441	6.02257299	6.5120597	0.0635603	5.95901269	80.3711053	19.22951	0	0	0	0.0082	80.2892305	3.27571763	0.7837445	148.911454	12.4092879	0.0931263	0.02905494	3.33978809
44	86.24824322	9.29880079	2.31385558	6.01954273	6.50878316	0.06352832	5.95601441	80.2287005	19.19543	0	0	0	0.0082	80.1469708	3.27925806	0.78459179	149.07244	12.4227033	0.0931263	0.02908635	3.34329801
45	86.10298519	9.29931242	2.31344661	6.01650939	6.50553036	0.0634963	5.95301288	80.084676	19.16140	0	0	0	0.0082	80.0048912	3.28280233	0.78544	149.236301	12.4361334	0.0931263	0.02911778	3.34681174
46	85.95790406	9.29982464	2.313007194	6.01346425	6.50251941	0.06346425	5.95009001	79.9444317	19.12742	0	0	0	0.0081	79.8612911	3.28632226	0.78629126	149.398216	12.4495781	0.0931263	0.02914937	3.34932929
47	85.81299969	9.30033739	2.31256828	6.01043224	6.49893221	0.06343217	5.94700007	79.8025674	19.09348	0	0	0	0.0081	79.7212178	3.28990515	0.7871392	149.556440	12.4630374	0.0931263	0.02918079	3.35285067
48	85.66827192	9.30085074	2.31212892	6.00738883	6.49564415	0.06340005	5.94398878	79.6608831	19.05958	0	0	0	0.0081	79.5797318	3.29346191	0.78799019	149.718136	12.4765113	0.0931263	0.02921234	3.35737587
49	85.5237206	9.30136465	2.31168944	6.00434213	6.49234713	0.0633679	5.94097424	79.5193785	19.02572	0	0	0	0.0081	79.4383713	3.29702252	0.7888421	149.879998	12.4899999	0.0931263	0.02924392	3.3609049
50	85.37934558	9.30187914	2.31124892	6.00129214	6.48904924	0.06333571	5.93795643	79.3780534	19.01931	0	0	0	0.0081	79.2971903	3.3005587	0.78969493	150.042037	12.5030531	0.0931263	0.02927553	3.36437777
51	85.23514673	9.3023942	2.31081007	6.00823885	6.4857478	0.06330348	5.9349537	79.2360799	19.98814	0	0	0	0.0081	79.1561885	3.30415335	0.79054869	150.204251	12.5170209	0.0931263	0.02930719	3.36797447
52	85.09112348	9.30291258	2.31032952	6.00523723	6.48246279	0.06327123	5.93191359	79.0959144	19.92441	0	0	0	0.0081	79.0103295	3.30722134	0.79143651	150.366541	12.5309236	0.0931263	0.02933887	3.371515
53	84.9477927	9.30342604	2.30993017	6.00212238	6.4791342	0.06323893	5.92888344	78.9551545	18.89073	0	0	0	0.0080	78.8747222	3.31130366	0.79225899	150.529208	12.5441006	0.0931263	0.02937059	3.37505937
54	84.80360563	9.30394282	2.30940083	6.008905919	6.47582205	0.0632066	5.92585258	78.8145464	18.85708	0	0	0	0.0080	78.7342573	3.31488363	0.79311553	150.69195	12.5576625	0.0931263	0.02940234	3.37860759
55	84.66010993	9.30446017	2.30904975	6.00599269	6.47250633	0.06317424	5.92281845	78.6741172	18.82349	0	0	0	0.0080	78.5939712	3.31846748	0.79397299	150.854869	12.5712391	0.0931263	0.02943413	3.38212565
56	84.51578964	9.3049781	2.30860935	6.00292289	6.46918703	0.06314184	5.91978105	78.5338668	18.78993	0	0	0	0.0080	78.45338636	3.32205521	0.79483139	151.017964	12.5848304	0.0931263	0.02946595	3.38571556
57	84.37136463	9.30549784	2.30818047	6.00000000	6.46586615	0.0631094	5.91670344	78.3932909	18.75642	0	0	0	0.0080	78.3144094	3.32564682	0.79569298	151.181238	12.5984363	0.0931263	0.02949781	3.38927531
58	84.23067475	9.30601568	2.30778714	6.00777336	6.4625377	0.06307694	5.91369642	78.2539014	18.72395	0	0	0	0.0080	78.141834	3.32924232	0.79655007	151.344685	12.6120571	0.0931263	0.0295297	3.39283892
59	84.08787984	9.30653534	2.30728734	6.00573663	6.45920766	0.06304444	5.91064919	78.1141862	18.68952	0	0	0	0.0080	78.0346106	3.33284171	0.79741216	151.50831	12.6256925	0.0931263	0.02956163	3.39640638
60	83.94525976	9.30705557	2.30684641	6.00361059	6.45587404	0.06301319	5.90758969	77.9746492	18.65613	0	0	0	0.0079	77.8952157	3.33644499	0.79827427	151.672112	12.6393427	0.0931263	0.02959359	3.3999777
61	83.80281437	9.30757638	2.30640534	6.00157423	6.45253683	0.06297933	5.9045449	77.8352901	18.62279	0	0	0	0.0079	77.7559986	3.34005216	0.79913732	151.836091	12.6530076	0.0931263	0.02962558	3.40355287
62	83.66054352	9.3080977																			

22	75.96749953	0.33821235	2.28104171	5.78606017	6.25632423	0.06164222	5.72499596	70.1814394	16.79154	0	0	0	0.071	70.1099449	3.55217107	0.84988867	161.478847	13.4565706	0.031263	0.03150703	3.61379034
23	75.83494084	0.3387863	2.28059275	5.78277841	6.25275774	0.06102958	5.72174883	70.0521624	16.79601	0	0	0	0.071	69.9807996	3.55600789	0.85080666	161.653265	13.4711054	0.031263	0.03154107	3.61759312
24	75.70254847	0.33934195	2.28043665	5.77949385	6.24922355	0.06099491	5.71849832	69.9320552	16.79272	0	0	0	0.071	69.851824	3.55984872	0.85172651	161.827866	13.4866555	0.031263	0.03157513	3.62139989
25	75.57032234	0.33989821	2.27980494	5.77620463	6.24565677	0.06096021	5.71524443	69.7941177	16.69887	0	0	0	0.071	69.7230178	3.56349357	0.85264553	162.00255	13.5002209	0.031263	0.03160294	3.62521054
26	75.4382622	0.34040557	2.27924502	5.77291262	6.2421081	0.06092546	5.71387166	69.6653496	16.68606	0	0	0	0.071	69.5943808	3.56754245	0.85356641	162.177671	13.5148014	0.031263	0.03164338	3.62902537
27	75.30636801	0.34101253	2.27879549	5.76961718	6.23854483	0.06089068	5.7087265	69.5367508	16.63729	0	0	0	0.071	69.4659131	3.57139534	0.85448825	162.352767	13.5293972	0.031263	0.03167755	3.6328441
28	75.17463396	0.3415706	2.27834583	5.76631833	6.23497786	0.06085587	5.70546246	69.4083213	16.60656	0	0	0	0.071	69.3376144	3.57525222	0.85541105	162.528099	13.5440083	0.031263	0.03171761	3.63666681
29	75.04307684	0.34212927	2.27789602	5.76301065	6.23140718	0.06082102	5.70219503	69.2806008	16.57587	0	0	0	0.071	69.2094846	3.57913132	0.85633482	162.703615	13.5586346	0.031263	0.03174176	3.64049351
30	74.91367959	0.34268855	2.27744608	5.75971035	6.22783281	0.06078613	5.69892022	69.1519692	16.54523	0	0	0	0.070	69.0815235	3.58239782	0.85729595	162.879914	13.5732762	0.031263	0.03178029	3.64432421
31	74.78044772	0.34329599	2.27699599	5.75640122	6.22425473	0.06075121	5.69556001	69.0240465	16.51462	0	0	0	0.070	68.9537311	3.58684721	0.85848354	163.055196	13.587913	0.031263	0.03181146	3.64815891
32	74.64931088	0.34388092	2.27654576	5.75308867	6.22067295	0.06071625	5.69237422	68.8942284	16.48405	0	0	0	0.070	68.8261071	3.59072025	0.8591119	163.231262	13.6026051	0.031263	0.03184896	3.65119976
33	74.51847955	0.34437002	2.27609539	5.74972768	6.21708746	0.06068125	5.68909143	68.7687069	16.45353	0	0	0	0.070	68.6986516	3.59459733	0.86003953	163.407511	13.6172925	0.031263	0.03188335	3.65584029
34	74.38774299	0.34493172	2.27564488	5.74645327	6.21349826	0.06064622	5.68580705	68.6412897	16.42304	0	0	0	0.070	68.5713642	3.59847845	0.86096812	163.583943	13.6319952	0.031263	0.03191777	3.65968698
35	74.25717126	0.34549403	2.27519422	5.74313943	6.20990536	0.06061115	5.68251928	68.5140408	16.39260	0	0	0	0.070	68.444245	3.6023636	0.86189768	163.760559	13.6467132	0.031263	0.03195223	3.66353176
36	74.12676423	0.34605695	2.27474243	5.73980416	6.20630874	0.06057605	5.67922811	68.3869601	16.36219	0	0	0	0.070	68.3172937	3.60625779	0.86283822	163.937358	13.6614465	0.031263	0.03198673	3.66739236
37	73.99552177	0.34662048	2.27429249	5.73647446	6.20270841	0.06054091	5.67593355	68.2600473	16.33183	0	0	0	0.070	68.1905102	3.61014602	0.86375969	164.114341	13.6761951	0.031263	0.03202125	3.67125106
38	73.86644373	0.34718461	2.27384141	5.73314132	6.19910437	0.06050573	5.67263559	68.133024	16.30150	0	0	0	0.069	68.0638944	3.61404329	0.86469215	164.291508	13.690959	0.031263	0.03205583	3.67511377
39	73.73652998	0.34774935	2.27339019	5.72980475	6.19549662	0.06047052	5.66933423	68.0067252	16.27122	0	0	0	0.069	67.9374462	3.61799441	0.86562557	164.468859	13.7057383	0.031263	0.03209043	3.67898048
40	73.60678039	0.34831471	2.27293893	5.72646474	6.19188515	0.06043527	5.66602947	67.8803157	16.24097	0	0	0	0.069	67.8111654	3.62184997	0.86655997	164.646394	13.7205328	0.031263	0.03212507	3.68285212
41	73.47719483	0.34888067	2.27248732	5.72311219	6.18826996	0.06039998	5.66271231	67.7540735	16.21077	0	0	0	0.069	67.6850518	3.62575938	0.86749533	164.824112	13.7353427	0.031263	0.03215975	3.68672594
42	73.34777115	0.34944724	2.27203568	5.71977744	6.18465106	0.06036466	5.65940974	67.6279987	16.18060	0	0	0	0.069	67.5591055	3.62967284	0.86843166	165.002015	13.7501679	0.031263	0.03219446	3.69064668
43	73.21851523	0.35001443	2.27158388	5.71642408	6.18102843	0.0603293	5.65609478	67.5020912	16.15048	0	0	0	0.069	67.4333262	3.63359035	0.86936896	165.180102	13.7650085	0.031263	0.03222921	3.69448744
44	73.08942093	0.35058222	2.27113195	5.71307031	6.17740209	0.06029391	5.65277641	67.3763506	16.12039	0	0	0	0.069	67.3077137	3.63751191	0.87030722	165.358373	13.7798644	0.031263	0.03226399	3.69837422
45	72.96049012	0.35115062	2.27067988	5.70971311	6.17377022	0.06025848	5.64945463	67.250777	16.09035	0	0	0	0.069	67.182268	3.64143752	0.87124646	165.536828	13.7947357	0.031263	0.03229881	3.70226501
46	72.83172267	0.35171964	2.27022766	5.70635246	6.17013824	0.06022301	5.64612945	67.1253702	16.06034	0	0	0	0.068	67.056989	3.64536719	0.87218667	165.715467	13.8096223	0.031263	0.03233366	3.70615982
47	72.70311843	0.35228927	2.26977529	5.70298836	6.16650072	0.0601875	5.64280086	67.0001301	16.03078	0	0	0	0.068	66.9339174	3.64930901	0.87312785	165.894291	13.8245243	0.031263	0.03236865	3.71005865
48	72.57467728	0.35286282	2.26934594	5.69962498	6.16251196	0.06015296	5.63946802	66.8752655	16.00045	0	0	0	0.068	66.8096218	3.65329409	0.87407673	166.073316	13.8394416	0.031263	0.03240347	3.71495151
49	72.44639909	0.35343036	2.26887014	5.69624984	6.15821452	0.06011639	5.63613345	66.7501492	15.97037	0	0	0	0.068	66.6821503	3.65718053	0.87503112	166.252492	13.8543744	0.031263	0.03243845	3.71786838
50	72.31828371	0.35400183	2.26841735	5.6928754	6.15556583	0.06008078	5.63279643	66.6254083	15.94072	0	0	0	0.068	66.5573564	3.66112642	0.87595721	166.43187	13.8693225	0.031263	0.03247345	3.72177928
51	72.19033102	0.35457391	2.26796441	5.68949752	6.15191341	0.06004513	5.6294524	66.5008335	15.91092	0	0	0	0.068	66.4330885	3.66507639	0.87690227	166.611432	13.884286	0.031263	0.03250848	3.72569421
52	72.06254089	0.3551466	2.26751133	5.68611619	6.14825726	0.06000944	5.62610674	66.3764247	15.88116	0	0	0	0.068	66.3088064	3.66903041	0.87784831	166.791178	13.8992649	0.031263	0.03254355	3.72961316
53	71.93491318	0.35571991	2.26705811	5.68273141	6.14459738	0.05997372	5.62275769	66.2521818	15.85143	0	0	0	0.067	66.1844691	3.6729885	0.87879532	166.97111	13.9145292	0.031263	0.03257866	3.73353614
54	71.80744776	0.35628184	2.26659476	5.67940927	6.14095729	0.05993793	5.61940522	66.1280104	15.82174	0	0	0	0.067	66.0607293	3.67690484	0.87974631	167.151224	13.9292889	0.031263	0.03261373	3.73746315
55	71.68014449	0.35686837	2.26615123	5.67595515	6.13726643	0.05990217	5.61604933	66.004193	15.79209	0	0	0	0.067	65.9363953	3.68091687	0.88069225	167.331527	13.9442494	0.031263	0.03264898	3.74139419
56	71.55300325	0.35744452	2.26569757	5.67255636	6.13359535	0.05986634	5.61269002	65.8804469	15.76249	0	0	0	0.067	65.813339	3.68488716	0.88164218	167.512014	13.9593345	0.031263	0.0326842	3.74532926
57	71.42602397	0.35801299	2.26524377	5.66915737	6.12992054	0.05983047	5.6093273	65.7568661	15.73292	0	0	0	0.067	65.698879	3.68886152	0.88253908	167.692685	13.9743904	0.031263	0.03271945	3.74926837
58	71.29920631	0.35859567	2.26478982	5.66575572	6.12624199	0.05979456	5.60596116	65.6334506	15.70339	0	0	0	0.067	65.5665892	3.69282995	0.88354595	167.873541	13.9896417	0.031263	0.03275474	3.75321151
59	71.17255035	0.35917262	2.26433597	5.66235922	6.12251597	0.05975962	5.60254584	65.5092381	15.67390	0	0	0	0.067	65.4446146	3.69680294	0.8844928	168.054583	13.9997367	0.031263	0.03278908	3.75715889
60	71.04605589	0.35975028	2.2638815	5.65894126	6.11887368	0.05972265	5.59921862	65.3871146	15.64445	0	0	0	0.067	65.3205402	3.70080902	0.88545162	168.238809	14.0196507	0.031263	0.03282452	3.7611099
61	70.9197228	0.36032852	2.26342712	5.65528528	6.11518392	0.05968663	5.59584221	65.2641939	15.61504	0	0	0	0.066	65.1977087	3.70479967	0.88640642	168.41722	14.0347684	0.031263	0.03286082	3.76506515
62	70.79355093	0.36090737	2.26297259	5.65211297	6.11149042	0.05965058	5.59246239	65.141438	15.58567	0	0	0	0.066	65.0570778	3.7087944	0.8873622	168.598817	14.0499015	0.031263	0.03289625	3.76904245
63	70.66754017	0.36148683	2.26251792	5.64869365	6.10779318	0.0596145	5.58907914	65.0188465	15.55634	0	0	0	0.066	64.9526112	3.7127932	0.88831895	168.7806	14.06505	0.031263	0.03293172	3.77298778
64	70.54169038	0.36206692	2.26206311	5.64																	

246	24	63.7402967	9.39554794	2.23635766	5.44805278	5.89084516	0.057497	5.39055578	58.2989769	13.94855	0	0	0	0.0059	58.2395872	3.94749516	0.94447349	179.449963	14.9541636	0.031263	0.03501348	4.00560799
		63.63014297	9.39616377	2.23589436	5.44443187	5.88692996	0.05745878	5.38697308	58.1857111	13.92145	0	0	0	0.0059	58.1264368	3.9517319	0.94548717	179.642562	14.9702135	0.031263	0.03505106	4.00980715
		63.51340897	9.39678023	2.23545091	5.44080747	5.88301099	0.05742053	5.38338694	58.0726024	13.89439	0	0	0	0.0059	58.0313483	3.95957276	0.94650187	179.835347	14.9867789	0.031263	0.03508867	4.01401038
		63.39683025	9.39737973	2.23496712	5.43717796	5.87900826	0.05738224	5.37979735	57.9595056	13.86736	0	0	0	0.0059	57.9005066	3.9621773	0.94751748	180.02832	15.00236	0.031263	0.03511633	4.0182177
		63.28040398	9.39801506	2.23450354	5.43354824	5.87516177	0.05734392	5.37620432	57.8466557	13.84038	0	0	0	0.0059	57.7879266	3.96446682	0.94835411	180.22148	15.0184567	0.031263	0.03516401	4.0224291
		63.16413094	9.39863343	2.23403962	5.42991341	5.87123151	0.05730556	5.37260785	57.7342175	13.81343	0	0	0	0.0059	57.6754032	3.96872002	0.94955173	180.414828	15.034569	0.031263	0.03520174	4.02664458
		63.048011	9.39925423	2.23357556	5.42627509	5.86729748	0.05726716	5.36900793	57.6217359	13.78652	0	0	0	0.0059	57.630361	3.97297734	0.95057033	180.608362	15.0506068	0.031263	0.03523295	4.03086414
		63.93204045	9.39987207	2.23311134	5.42263129	5.86335969	0.05722873	5.36540456	57.5094108	13.75964	0	0	0	0.0059	57.4508254	3.97723878	0.95158991	180.802084	15.0668403	0.031263	0.03527773	4.03508778
		63.82622996	9.40049234	2.23264696	5.41888801	5.85941814	0.05719026	5.36179775	57.397242	13.73280	0	0	0	0.0059	57.3387709	3.98150443	0.95261049	180.995992	15.0829994	0.031263	0.03531513	4.0393155
		63.70705661	9.40111326	2.23222444	5.41533825	5.85542783	0.05715175	5.35818721	57.2852294	13.70602	0	0	0	0.0059	57.2465198	3.98577401	0.95363004	181.190088	15.0991174	0.031263	0.03535473	4.0435473
		63.58505088	9.40171348	2.23171776	5.41168701	5.85152375	0.0571132	5.35457381	57.1733729	13.67924	0	0	0	0.0058	57.1151298	3.99004779	0.95465459	181.384371	15.1153643	0.031263	0.03539091	4.04778138
		63.46970363	9.40235699	2.23125293	5.40803129	5.84757092	0.05707462	5.35095667	57.0616273	13.65251	0	0	0	0.0058	57.0035431	3.9943257	0.95567811	181.578841	15.1315701	0.031263	0.03542886	4.05202314
		63.35449977	9.40297981	2.23078794	5.40437209	5.84361432	0.05703036	5.34733609	56.9501277	13.62583	0	0	0	0.0058	56.8921121	3.99860772	0.95670262	181.773499	15.1477915	0.031263	0.03546684	4.05626718
		63.23944815	9.40360327	2.2303228	5.40070942	5.83965395	0.05699735	5.34371207	56.8387387	13.59918	0	0	0	0.0058	56.7808366	4.00289386	0.95772812	181.968343	15.1640286	0.031263	0.035500485	4.0605153
		63.12454865	9.40427237	2.22985751	5.39770426	5.83568983	0.05695866	5.34008486	56.7275054	13.57256	0	0	0	0.0058	56.6697166	4.00718411	0.95857546	182.163374	15.1802812	0.031263	0.03554291	4.0647675
		63.00808117	9.40485211	2.22938206	5.39337363	5.83172195	0.05691993	5.33645337	56.6164275	13.54599	0	0	0	0.0058	56.5587519	4.01147848	0.95978207	182.358593	15.1965494	0.031263	0.0355841	4.06902378
		63.89520556	9.40547748	2.22892646	5.38970052	5.8277503	0.05688117	5.33281935	56.505505	13.51945	0	0	0	0.0058	56.4474424	4.01577696	0.96081052	182.553998	15.2128332	0.031263	0.03561912	4.07328414
		63.78076172	9.40610349	2.2284607	5.38602093	5.8237749	0.05684236	5.32918157	56.3947378	13.49294	0	0	0	0.0057	56.3372788	4.02007956	0.96183995	182.749591	15.2291326	0.031263	0.035656729	4.07754857
		63.66646053	9.40673014	2.22799479	5.38234387	5.81979574	0.05680353	5.32554034	56.2841257	13.46608	0	0	0	0.0057	56.2267885	4.02438627	0.96287037	182.945371	15.2454476	0.031263	0.03569549	4.08118709
		63.55123285	9.40735743	2.22752873	5.37866033	5.81581281	0.05676465	5.32189568	56.1736685	13.44045	0	0	0	0.0057	56.1164349	4.0286971	0.96380178	183.141338	15.2617782	0.031263	0.03573372	4.08608968
		63.43839957	9.40790836	2.22706251	5.37499731	5.81182613	0.05672574	5.31824757	56.0633663	13.41366	0	0	0	0.0057	56.006254	4.03301205	0.96493417	183.337492	15.2781243	0.031263	0.0357772	4.09036635
		63.32450156	9.40861392	2.22659614	5.37128282	5.8078357	0.05668679	5.31459603	55.9532187	13.38731	0	0	0	0.0057	55.8962187	4.03733111	0.96596754	183.533833	15.2944861	0.031263	0.03581031	4.0946471
		63.21081472	9.40924313	2.22612961	5.36758885	5.8038415	0.05664781	5.31094105	55.8432259	13.36099	0	0	0	0.0057	55.7863379	4.04165428	0.9670019	183.730361	15.3108634	0.031263	0.03584865	4.09893193
		63.09727891	9.40987297	2.22566292	5.36389141	5.79984355	0.05660878	5.30728263	55.7333875	13.33471	0	0	0	0.0057	55.6766114	4.04589156	0.96803732	183.927075	15.3272563	0.031263	0.03588703	4.10322083
		63.98389401	9.41050346	2.22519569	5.3601905	5.79584184	0.05656973	5.30362077	55.6237035	13.30847	0	0	0	0.0057	55.5670391	4.05031296	0.96907357	184.123977	15.3436648	0.031263	0.03592545	4.10751381
		63.87065991	9.41113458	2.22477209	5.35648611	5.79183638	0.05653063	5.29995548	55.5147138	13.28226	0	0	0	0.0057	55.457621	4.05464847	0.97011087	184.321066	15.3600987	0.031263	0.03596391	4.11181087
		63.75757648	9.41177625	2.22430716	5.35264015	5.78782516	0.0564915	5.29628657	55.4049882	13.25609	0	0	0	0.0057	55.3983245	4.05897785	0.9711848	184.518241	15.3764192	0.031263	0.03600204	4.1161112
		63.6446361	9.41239875	2.22379464	5.34906062	5.78384119	0.05645323	5.29261459	55.2955767	13.22962	0	0	0	0.0056	55.2392466	4.06333183	0.97218845	184.715805	15.3930083	0.031263	0.03604093	4.12041721
		63.53186117	9.41303179	2.22327319	5.34535211	5.77979747	0.05641313	5.28893899	55.1865091	13.20387	0	0	0	0.0056	55.1302901	4.06767968	0.97322871	184.913454	15.4094545	0.031263	0.03607499	4.12472649
		63.41922904	9.41366547	2.22285957	5.34163384	5.77577699	0.05637389	5.28525996	55.0775952	13.17781	0	0	0	0.0056	55.0214872	4.07203163	0.97426995	185.111291	15.4259409	0.031263	0.03611809	4.12903984
		63.30674711	9.4142998	2.2223918	5.3379121	5.77157526	0.05633461	5.28157749	54.968835	13.15178	0	0	0	0.0056	54.9128378	4.0763877	0.97532131	185.309314	15.4424428	0.031263	0.03615673	4.13335727
		63.19441524	9.41493476	2.22193288	5.33418869	5.76772478	0.05629529	5.27891599	54.8602284	13.12580	0	0	0	0.0056	54.8043471	4.08074788	0.97635539	185.507524	15.4589604	0.031263	0.03619514	4.13767787
		63.08223134	9.41557023	2.22147582	5.33094592	5.76429299	0.05625594	5.27492999	54.7517751	13.09985	0	0	0	0.0056	54.6923991	4.08592431	0.97739997	185.705922	15.4750438	0.031263	0.03623425	4.14200455
		63.97020126	9.41620662	2.22098756	5.32672606	5.75965757	0.05621655	5.2705905	54.6434752	13.07394	0	0	0	0.0056	54.5878904	4.08948056	0.97844476	185.904505	15.4920421	0.031263	0.03627286	4.146334
		63.8583189	9.4168435	2.22051917	5.32299044	5.75561834	0.05617713	5.26681331	54.5353285	13.04806	0	0	0	0.0056	54.4797728	4.09385306	0.97949092	186.103275	15.5086063	0.031263	0.03631164	4.15066772
		63.74586613	9.41748103	2.22050062	5.31925136	5.75157357	0.05613767	5.26311369	54.4273348	13.02233	0	0	0	0.0055	54.3718891	4.09822967	0.98053807	186.302233	15.52521861	0.031263	0.03635046	4.15500551
		63.63002084	9.41811192	2.221958191	5.31550882	5.74752864	0.05609817	5.25941065	54.319494	12.99642	0	0	0	0.0055	54.2641583	4.10261039	0.98158619	186.501376	15.5417814	0.031263	0.03638932	4.15934737
		63.51535891	9.41876802	2.221476281	5.31278817	5.74405964	0.05605964	5.2575704	54.2118061	12.97066	0	0	0	0.0055	54.151558	4.10698231	0.9826353	186.700717	15.5583022	0.031263	0.03642821	4.16369383
		63.41228421	9.41939747	2.22186403	5.30801133	5.73942396	0.05601907	5.25199427	54.1042709	12.94493	0	0	0	0.0055	54.0401544	4.11138414	0.98368539	186.900224	15.5750187	0.031263	0.03646714	4.1680433
		63.30114863	9.42003757	2.221817486	5.3042604	5.735366	0.05597946	5.24828094	53.9968882	12.91924	0	0	0	0.0055	53.9418811	4.11577717	0.98473646	187.099928	15.5916606	0.031263	0.03650611	4.17239737
		63.19016205	9.4206783	2.221770553	5.300504	5.7313043	0.05593981	5.24456491	53.889658	12.89358	0	0	0	0.0055	53.8474602	4.12017743	0.98578852	187.299818	15.6083182	0.031263	0.03654511	4.1767555
		63.07932435	9.42131968	2.221723604	5.29674414	5.72723886	0.05590013	5.24084401	53.7825802	12.86796	0	0	0	0.0055	53.7277914	4.12457554	0.98684155	187.498985	15.6249912	0.031263	0.03658415	4.1811177
		63.96836341	9.42196171	2.2216766	5.29298082																	

2	53.00386571	9.45892427	2.19021282	5.07675361	5.48936852	0.05357842	5.02317518	47.9271121	11.46699	0	0	0	0.049	47.8782883	4.38218909	1.0484779	199.2108	16.6009	0.0931263	0.03886913	4.43644627
3	52.9014635	9.45962145	2.18937407	5.02779544	5.48508865	0.05353665	5.01925879	47.8286681	11.41344	0	0	0	0.049	47.7799446	4.38682601	1.04958732	199.421591	16.6184659	0.0931263	0.03891025	4.44104206
4	52.79920335	9.46030085	2.18935517	5.06883191	5.48005155	0.05349484	5.0153907	47.7303694	11.44942	0	0	0	0.049	47.6817461	4.39146694	1.0506977	199.632564	16.6360487	0.0931263	0.03895142	4.45643183
5	52.69708514	9.46098089	2.18877608	5.06486002	5.47651801	0.0534531	5.01141602	47.632161	11.39643	0	0	0	0.049	47.5830928	4.39611188	1.05180905	199.843719	16.6536432	0.0931263	0.03899262	4.45024556
6	52.59510877	9.46166158	2.18829684	5.06090077	5.47222723	0.05341112	5.00748965	47.534208	11.37298	0	0	0	0.048	47.4857845	4.40076081	1.05292134	200.050505	16.6715246	0.0931263	0.03903185	4.45485326
7	52.49327412	9.46234921	2.18871741	5.05629916	5.46793283	0.05336992	5.00355996	47.436345	11.34957	0	0	0	0.048	47.3880211	4.40541375	1.0540346	200.266574	16.6888812	0.0931263	0.03907512	4.45946493
8	52.39158108	9.46302488	2.18833788	5.0529542	5.46363481	0.05332725	4.99962695	47.3386269	11.32619	0	0	0	0.048	47.2904206	4.41007068	1.05514881	200.478275	16.70655229	0.0931263	0.03911643	4.46408055
9	52.29002953	9.4637075	2.18685815	5.04897589	5.45933316	0.05328527	4.99569602	47.2410536	11.30284	0	0	0	0.048	47.1929288	4.41473161	1.05626398	200.690157	16.72417197	0.0931263	0.03915777	4.46870014
10	52.18861397	9.46439076	2.18637826	5.04499923	5.45502789	0.05324325	4.99179058	47.143521	11.27953	0	0	0	0.048	47.0955995	4.41939853	1.05738011	200.902222	16.74181517	0.0931263	0.03919915	4.47332369
11	52.08735048	9.46507447	2.18589821	5.0410097	5.4507179	0.05320119	4.98780804	47.046341	11.25626	0	0	0	0.048	46.9984147	4.42400545	1.05849719	201.114465	16.75933488	0.0931263	0.03924056	4.47951119
12	51.98622276	9.46575922	2.18541799	5.03702088	5.4464065	0.05315191	4.98386178	47.0492019	11.23032	0	0	0	0.048	46.90313743	4.42873834	1.05956122	201.326892	16.777241	0.0931263	0.03928201	4.48252864
13	51.88523608	9.46644442	2.18493761	5.03302919	5.44209399	0.05311697	4.97991222	46.8522609	11.20981	0	0	0	0.048	46.8044781	4.43345123	1.06073421	201.539499	16.7949583	0.0931263	0.03932349	4.48721804
14	51.78439033	9.46713026	2.18445707	5.02903416	5.4377066	0.05307481	4.97595936	46.7553562	11.18664	0	0	0	0.048	46.7077261	4.43809609	1.06185414	201.752287	16.8126906	0.0931263	0.03936501	4.49185739
15	51.68368542	9.46781674	2.18397636	5.0250358	5.43434473	0.05303261	4.97200319	46.6584696	11.16350	0	0	0	0.048	46.611118	4.44278904	1.06297904	201.965257	16.8303481	0.0931263	0.03940566	4.49650068
16	51.58312121	9.46850387	2.18349549	5.02103411	5.4291204	0.05299838	4.96804373	46.5628071	11.14040	0	0	0	0.047	46.5146539	4.44746976	1.06403988	202.178407	16.8484206	0.0931263	0.03944815	4.50114791
17	51.48269761	9.46919164	2.18301446	5.01702909	5.42478854	0.05294811	4.96408098	46.4655685	11.11733	0	0	0	0.047	46.4183335	4.45216255	1.06521967	202.301737	16.8655978	0.0931263	0.03948979	4.50579908
18	51.3824145	9.46988005	2.18253326	5.01302074	5.42045574	0.05290581	4.96011493	46.3693938	11.09429	0	0	0	0.047	46.3221568	4.45685932	1.06634341	202.605248	16.8837707	0.0931263	0.03953143	4.51054518
19	51.28227177	9.47056911	2.18205919	5.00900906	5.41611802	0.05286347	4.95614559	46.2732627	11.07129	0	0	0	0.047	46.2261237	4.46156005	1.06746811	202.81894	16.9015783	0.0931263	0.03957313	4.51511322
20	51.1822693	9.47125881	2.18157038	5.00499407	5.4117767	0.0528211	4.95217297	46.1777252	11.04833	0	0	0	0.047	46.130234	4.46626474	1.06859375	203.032812	16.9191401	0.0931263	0.03961486	4.51977619
21	51.08240699	9.47194916	2.18108869	5.00095756	5.4074318	0.05277869	4.94819707	46.0814312	11.02539	0	0	0	0.047	46.0344877	4.4709734	1.06972033	203.246864	16.9372386	0.0931263	0.03965662	4.52444308
22	50.98268473	9.47264015	2.18060683	4.99695413	5.40308331	0.05273525	4.94421788	45.9857306	11.00250	0	0	0	0.047	45.9388845	4.47568602	1.07084787	203.461095	16.9550913	0.0931263	0.03969841	4.5291139
23	50.8831024	9.47333178	2.18012482	4.99292919	5.39873124	0.05269377	4.94023542	45.8901732	10.97963	0	0	0	0.047	45.8434245	4.48040259	1.07197635	203.675507	16.9729589	0.0931263	0.03974026	4.53378863
24	50.78365989	9.47402405	2.17964264	4.98890094	5.39437559	0.05265126	4.93624968	45.794759	10.95681	0	0	0	0.047	45.7481074	4.48512312	1.07310578	203.890098	16.9908415	0.0931263	0.03978213	4.53846729
25	50.68435709	9.47471697	2.17916029	4.98486938	5.39001632	0.05260871	4.93226067	45.6994877	10.93401	0	0	0	0.047	45.6529332	4.48894759	1.07423615	204.104869	17.0087391	0.0931263	0.03982403	4.54314986
26	50.5851939	9.47541053	2.17867778	4.98083452	5.38565357	0.05256613	4.92826839	45.6043594	10.91215	0	0	0	0.046	45.5570018	4.49457601	1.07536747	204.319819	17.0266516	0.0931263	0.03986597	4.54783634
27	50.4861702	9.47610473	2.17819511	4.97679636	5.38128721	0.05252351	4.92472785	45.5093738	10.88852	0	0	0	0.046	45.463013	4.49938037	1.07649973	204.534949	17.044579	0.0931263	0.03990795	4.55256273
28	50.38728587	9.47679707	2.17772728	4.97275449	5.37621728	0.05248086	4.92072404	45.414531	10.86583	0	0	0	0.046	45.3682664	4.50049681	1.07762514	204.750257	17.0625314	0.0931263	0.03994957	4.55722102
29	50.28854082	9.47749506	2.17729227	4.96877014	5.37125437	0.05243817	4.91621797	45.3188307	10.84317	0	0	0	0.046	45.273665	4.50587842	1.07876708	204.965745	17.0804787	0.0931263	0.039992	4.56159121
30	50.18993493	9.47819119	2.1767461	4.9646621	5.36816674	0.05239545	4.91226665	45.2252728	10.82055	0	0	0	0.046	45.1792014	4.51352909	1.07990216	205.181411	17.0984509	0.0931263	0.04003408	4.56662131
31	50.09146808	9.47888796	2.17626277	4.96061076	5.36378613	0.05235269	4.90825807	45.1308573	10.79796	0	0	0	0.046	45.0848821	4.51827719	1.08103819	205.397256	17.116438	0.0931263	0.0400762	4.5713273
32	49.99314017	9.47958537	2.17577927	4.95655615	5.35940197	0.0523099	4.90424625	45.036584	10.77531	0	0	0	0.046	44.9907048	4.52302922	1.08217515	205.613279	17.1343499	0.0931263	0.04011835	4.57603718
33	49.8949511	9.48028342	2.17529561	4.95249825	5.35501426	0.05226707	4.90023117	44.9434258	10.75248	0	0	0	0.046	44.8966696	4.52778518	1.08331306	205.829481	17.1524568	0.0931263	0.04016053	4.58075095
34	49.79800773	9.48097181	2.17481178	4.94952241	5.35022241	0.05222461	4.89632175	44.8484617	10.73040	0	0	0	0.046	44.8027351	4.53254597	1.08408219	206.045861	17.1704884	0.0931263	0.04020679	4.58546486
35	49.6989898	9.48168146	2.17432779	4.94437261	5.34622822	0.05218132	4.8921913	44.7546164	10.70794	0	0	0	0.046	44.7090244	4.53730884	1.08559168	206.262419	17.1885349	0.0931263	0.04024501	4.59019014
36	49.60121573	9.48238143	2.17384363	4.94034089	5.34182988	0.05213839	4.8881665	44.6609108	10.68552	0	0	0	0.045	44.6154144	4.54207655	1.0867324	206.479155	17.2065963	0.0931263	0.04028729	4.59491555
37	49.50358086	9.48308205	2.17335931	4.93623393	5.33742802	0.05209542	4.88413847	44.567347	10.66314	0	0	0	0.045	44.5219458	4.54684816	1.08784075	206.696069	17.2246724	0.0931263	0.04032962	4.59964484
38	49.40804827	9.48378131	2.17287482	4.93215963	5.33302262	0.05205243	4.88010721	44.4739246	10.64078	0	0	0	0.045	44.4286186	4.55126368	1.08901663	206.91316	17.2427634	0.0931263	0.04037198	4.604378
39	49.30872585	9.48448521	2.17239611	4.92803327	5.32863137	0.05200939	4.87620272	44.3806891	10.61847	0	0	0	0.045	44.3354322	4.55646031	1.09017652	207.138247	17.2608691	0.0931263	0.04041437	4.60911503
40	49.21150549	9.48518775	2.17190535	4.92400133	5.32420125	0.05196633	4.8720735	44.2875042	10.59618	0	0	0	0.045	44.2423881	4.56118642	1.0913046	207.347875	17.2789986	0.0931263	0.04045458	4.61385593
41	49.11442308	9.48589093	2.17142037	4.91919729	5.31978528	0.05192322	4.86799407	44.1945058	10.57393	0	0	0	0.045	44.1494844	4.56597364	1.09244999	207.565498	17.2971248	0.0931263	0.04049926	4.61860608
42	49.01747851	9.48659479	2.17093522	4.91583001	5.3153658	0.05188009	4.86394992	44.1016485	10.55171	0	0	0	0.045	44.0567128	4.57076474	1.0935963	207.783298	17.3152748	0.0931263	0.04054175	4.62334929
43	48.92067167	9.48729921	2.17044991	4.91173947	5.3104248	0.05183692	4.85990255	44.0089322	10.52953	0	0	0	0.045	43.9640999	4.57555974	1.09474355	208.000175	17.3334395	0.0931263	0.04058428	4.62810176
44	48.82400245	9.48800431	2																		

4	43.62682937	9.52850235	2.14251119	4.67333832	5.05316552	0.04932091	4.62401741	38.9534911	9.31997	0	0	0.040	38.9138088	4.85516403	1.16164137	220.711861	18.3926551	0.031263	0.04306432	4.90522602
5	43.53782619	9.52924343	2.14021617	4.66906643	5.04854662	0.04927583	4.6179906	38.8687598	9.29976	0	0	0.040	38.8291638	4.860177	1.16284077	220.939747	18.4116456	0.031263	0.04310878	4.91019452
6	43.4489544	9.52986125	2.14152097	4.66791955	5.04392411	0.04923071	4.61556084	38.7841628	9.29976	0	0	0.040	38.7445531	4.86519357	1.16404103	221.167796	18.4306497	0.031263	0.04315328	4.91516659
7	43.36021391	9.53072744	2.14021561	4.66051137	5.03929857	0.04918556	4.6113281	38.6997002	9.25925	0	0	0.039	38.6602765	4.87021374	1.16524215	221.396009	18.4496674	0.031263	0.04311978	4.92014124
8	43.27160461	9.53147037	2.14053008	4.65623286	5.03466981	0.04914038	4.60792428	38.6153177	9.23907	0	0	0.039	38.5760339	4.87523751	1.16644413	221.624385	18.4686988	0.031263	0.04324236	4.92512144
9	43.18312639	9.53221392	2.14003438	4.65194906	5.03003784	0.04909517	4.60285389	38.5311773	9.21893	0	0	0.039	38.4919253	4.88026486	1.16764607	221.852925	18.4877437	0.031263	0.04328696	4.93010421
10	43.09477916	9.5329581	2.13953851	4.64766229	5.02540266	0.04904993	4.59861236	38.4471169	9.19882	0	0	0.039	38.4709504	4.88525958	1.16880552	222.081627	18.5068023	0.031263	0.04333158	4.93509053
11	43.0065628	9.53370288	2.13904247	4.64337256	5.02076428	0.04900046	4.5943679	38.3631902	9.17874	0	0	0.039	38.3241093	4.89033032	1.17005522	222.310493	18.5252874	0.031263	0.04337623	4.94008039
12	43.0184771	9.53444829	2.13854626	4.63949788	5.0152271	0.04895936	4.59012053	38.2793973	9.15869	0	0	0.039	38.2404057	4.89536841	1.17126063	222.523952	18.54496	0.031263	0.04342092	4.94507379
13	43.8352227	9.53519411	2.13800498	4.63478426	5.01147796	0.04891402	4.58587027	38.195738	9.13867	0	0	0.039	38.1560277	4.90021374	1.17246689	222.768709	18.5640591	0.031263	0.04346564	4.95007702
14	43.7427991	9.53594095	2.13855334	4.63048505	5.00683002	0.04886866	4.58161703	38.1122122	9.11869	0	0	0.038	38.073187	4.90545527	1.173674	222.998061	18.5831717	0.031263	0.04351039	4.95507118
15	43.6550399	9.53668821	2.13750562	4.62618418	5.0021788	0.04882326	4.57736902	38.0288198	9.09873	0	0	0.039	37.9900795	4.91050403	1.17488196	223.227573	18.6022978	0.031263	0.04355517	4.96007516
16	43.56744042	9.53743608	2.13655974	4.62187974	4.99752462	0.04877783	4.57310191	37.9455607	9.07881	0	0	0.039	37.9069052	4.91555634	1.17609077	223.452747	18.6214373	0.031263	0.04359998	4.96508266
17	43.4800071	9.53818456	2.13662668	4.61757238	4.99286718	0.04873237	4.56884	37.8623447	9.05983	0	0	0.039	37.8238639	4.92062129	1.17730043	223.687082	18.6405902	0.031263	0.04364483	4.97009366
18	43.39707032	9.53893366	2.13555646	4.61326209	4.98820557	0.04868668	4.56457521	37.7794418	9.03907	0	0	0.038	37.7409556	4.92567157	1.17878103	223.919077	18.6597565	0.031263	0.04368897	4.97510817
19	43.30553077	9.53968838	2.13568087	4.60894849	4.98354282	0.04864136	4.56030753	37.6965819	9.01924	0	0	0.038	37.65818	4.93073448	1.17922228	224.147233	18.6789361	0.031263	0.04373461	4.98012617
20	43.21848756	9.54004337	2.1345705	4.60463279	4.97887592	0.04859581	4.55603698	37.6138548	8.99945	0	0	0.038	37.5755372	4.93580091	1.18093447	224.373759	18.6981291	0.031263	0.04377955	4.98514766
21	43.13157417	9.54118464	2.13407277	4.60031379	4.97420589	0.04855023	4.55176355	37.5312604	8.97966	0	0	0.038	37.4930269	4.94087086	1.1821475	224.608025	18.7173354	0.031263	0.04382452	4.99017264
22	43.0447905	9.54193619	2.13357487	4.59599188	4.96953272	0.04850642	4.54748726	37.4487986	8.95996	0	0	0.038	37.4106492	4.94594431	1.18336137	224.83886	18.736555	0.031263	0.04386952	4.99520109
23	43.95813644	9.54268835	2.13370768	4.59166709	4.96485643	0.04845898	4.54320811	37.3664694	8.94026	0	0	0.038	37.3284038	4.95102126	1.18457607	225.069454	18.7555787	0.031263	0.04391455	5.00023301
24	43.87167119	9.54344113	2.13257856	4.58733942	4.96017702	0.04841133	4.53802611	37.2842725	8.92060	0	0	0.038	37.2462907	4.95610171	1.18579162	225.300407	18.7750339	0.031263	0.04395961	5.0252684
25	1	43.78521677	9.54419451	2.13208014	4.58300886	4.9554945	4.53646126	37.2022079	8.90096	0	0	0.038	37.1643907	4.96118565	1.18700799	225.531519	18.7942932	0.031263	0.04400471	5.01030724
26	1	43.69895094	9.5449485	2.13158156	4.57867544	4.95080888	4.53033537	37.1202755	8.88136	0	0	0.038	37.0824607	4.96627307	1.1882252	225.762789	18.8135657	0.031263	0.04404983	5.01534954
27	3	43.61281431	9.54570311	2.13108281	4.57433915	4.94612015	4.52606304	37.0384752	8.86179	0	0	0.038	37.0007437	4.97136396	1.18944325	225.994217	18.8328514	0.031263	0.04409499	5.02039528
28	4	43.52680677	9.54645832	2.13058389	4.57	4.94142833	4.52176969	36.9568068	8.84225	0	0	0.038	36.9191585	4.97465832	1.19066212	226.225802	18.8521502	0.031263	0.04414107	5.02544445
29	43.44092822	9.54714714	2.1300848	4.56565799	4.93673343	4.51841849	4.51747351	36.8752702	8.8272	0	0	0.038	36.8377051	4.98155615	1.19188182	226.457545	18.8714621	0.031263	0.04418593	5.03049706
30	43.35178756	9.54797054	2.12958544	4.56105445	4.93138631	4.51374551	4.51374551	36.793861	8.80216	0	0	0.037	36.7563824	4.98689742	1.19307614	226.689447	18.8907871	0.031263	0.04423296	5.03551309
31	43.26955769	9.5487276	2.12908651	4.55696545	4.9273344	4.50809725	4.51672592	36.7125922	8.78374	0	0	0.037	36.6751928	4.99176215	1.1943237	226.921502	18.9102522	0.031263	0.04427591	5.04061254
32	8	43.18406548	9.54894824	2.12858651	4.55261492	4.92263028	4.50840683	36.6314506	8.76440	0	0	0.037	36.5941338	4.99687032	1.19554587	227.153715	18.9294763	0.031263	0.04432122	5.0456754
33	9	43.09870186	9.55024348	2.12808674	4.54826156	4.9179231	4.50080089	36.5504403	8.74502	0	0	0.037	36.513206	5.00198192	1.19676887	227.386085	18.9488404	0.031263	0.04436656	5.05074166
34	10	43.0134667	9.55100233	2.12758681	4.54390539	4.91321288	4.50795492	36.4695613	8.72567	0	0	0.037	36.4324094	5.00709695	1.19799268	227.61861	18.9682175	0.031263	0.04441193	5.05581132
35	11	43.9235991	9.55176179	2.1270867	4.53954639	4.9084996	4.50790891	36.4163748	8.70635	0	0	0.037	36.3517439	5.01212539	1.19921732	227.85129	18.9876705	0.031263	0.04445733	5.06084437
36	12	43.84338138	9.55214825	2.12658627	4.53519022	4.90478629	4.50782321	36.3081961	8.68701	0	0	0.037	36.2719194	5.01732126	1.20084128	228.084128	19.0010155	0.031263	0.04450266	5.06556687
37	13	43.7585301	9.55328251	2.12608597	4.53081958	4.89903635	4.50781682	36.227711	8.66780	0	0	0.037	36.1908055	5.02246252	1.20166903	228.317116	19.0264264	0.031263	0.04454822	5.0710406
38	14	43.6738069	9.55404377	2.12558535	4.52645258	4.89434159	4.50777072	36.1473561	8.64858	0	0	0.037	36.1105325	5.02759119	1.20288611	228.550262	19.0458551	0.031263	0.04459371	5.07612378
39	15	43.58921433	9.55480564	2.12508456	4.52208239	4.88961621	4.5077246	36.0671319	8.62938	0	0	0.037	36.03039	5.03272325	1.204124	228.783561	19.0652967	0.031263	0.04463923	5.08121032
40	16	43.50474781	9.55558111	2.1245836	4.51770942	4.88488782	4.50703096	35.9870384	8.61022	0	0	0.037	35.9503781	5.03785869	1.2053527	229.017014	19.0847512	0.031263	0.04468478	5.08630021
41	17	43.42404903	9.55611366	2.12408247	4.51333366	4.88025663	4.50670139	35.9070754	8.59166	0	0	0.037	35.8704965	5.04209751	1.20639781	229.259621	19.1042184	0.031263	0.04473406	5.09139145
42	18	43.33619789	9.55709484	2.12358117	4.50895514	4.87542204	4.50758606	35.8272428	8.57199	0	0	0.036	35.7907452	5.0481397	1.20781253	229.488438	19.1236084	0.031263	0.04477597	5.09649003
43	19	43.25211429	9.55785911	2.12307397	4.50457386	4.87068466	4.50753982	35.7475404	8.55292	0	0	0.036	35.7111241	5.05328526	1.20904365	229.718293	19.1431911	0.031263	0.04482161	5.10158995
44	20	43.16815812	9.55862398	2.12257806	4.50018981	4.86594431	4.50749356	35.6726983	8.53388	0	0	0.036	35.631633	5.05843416	1.21027557	229.952358	19.1626965	0.031263	0.04486728	5.10669318
45	21	43.08432928	9.55938904	2.12207625	4.49580302	4.86120097	4.50744726	35.5885263	8.51487	0	0	0.036	35.5522719	5.06358642	1.21150829	230.186576	19.1822147	0.031263	0.04491298	5.11179974
46	22	43.00062766	9.5601555	2.12157427	4.49141349	4.85645462	4.50740093	35.50592142	8.49590	0	0	0.036	35.4739046	5.06874202	1.21274818	230.420495	19.2017454	0.031263	0.04495871	5.11609961
47	23	43.91705317	9.56092211	2.12102712	4.48705462	4.85273548	4.50696931	35.430032	8.47695	0	0	0.036	35.3910735	5.07330935	1.21390761	230.655366	19.2212808	0.031263	0.04500447	5.12207278
48	24	43.8305																		

6	35.51321198	9.60398499	2.09319135	4.24144613	4.58617113	0.04476286	4.19668327	31.2717659	7.48205	0	0	0	0.032	31.239909	5.36253886	1.28303534	243.776714	20.3147262	0.091263	0.04756463	5.40810054
7	35.43659229	9.60478381	2.09267966	4.23691256	4.58126911	0.04471501	4.19219755	31.1996797	7.44680	0	0	0	0.032	31.167893	5.36787124	1.28431116	244.01912	20.3349266	0.091263	0.04761193	5.41338562
8	35.36609387	9.60558317	2.09326776	4.23737671	4.5763646	0.04466714	4.18770957	31.1277172	7.44758	0	0	0	0.032	31.096077	5.37320646	1.28558765	244.261654	20.3551739	0.091263	0.04765925	5.41867351
9	35.28717464	9.60618308	2.09165576	4.22783858	4.57145763	0.04461925	4.18321933	31.0558781	7.43040	0	0	0	0.032	31.062295	5.37854545	1.28686483	244.504317	20.3735398	0.091263	0.04770559	5.42396421
10	35.20746049	9.60718354	2.09114355	4.22329818	4.56654821	0.04457133	4.17872685	30.9841623	7.41324	0	0	0	0.032	30.9525985	5.38385363	1.28814268	244.747109	20.3955024	0.091263	0.047757397	5.42925769
11	35.13132531	9.60798454	2.09063117	4.21875551	4.56163633	0.04452339	4.17423212	30.9125698	7.39611	0	0	0	0.031	30.8810789	5.38922903	1.2894212	244.990028	20.4158356	0.091263	0.04780136	5.43455397
12	35.055311	9.60878609	2.09011862	4.21421059	4.55672202	0.04447542	4.16973517	30.8411004	7.37901	0	0	0	0.031	30.8096823	5.3945755	1.29070039	245.233074	20.4368095	0.091263	0.04784879	5.43985301
13	34.97941747	9.60958818	2.08966543	4.20966343	4.55180529	0.04442743	4.16523599	30.769754	7.36194	0	0	0	0.031	30.7384086	5.39992476	1.29198025	245.476247	20.4565339	0.091263	0.04789623	5.44515482
14	34.9036446	9.61039082	2.08893802	4.20511403	4.54688613	0.04437942	4.16073461	30.6985306	7.34480	0	0	0	0.031	30.6672577	5.40527679	1.29326077	245.719548	20.4766288	0.091263	0.0479437	5.45049339
15	34.82799231	9.61119309	2.08825996	4.2005624	4.54194617	0.04433138	4.15623178	30.6274299	7.32789	0	0	0	0.031	30.5962295	5.41036119	1.29454195	245.962917	20.4969142	0.091263	0.0479912	5.4557667
16	34.75246048	9.61199771	2.08806763	4.19600855	4.53704061	0.04428332	4.15172523	30.5564519	7.31090	0	0	0	0.031	30.5252328	5.41598916	1.2958238	246.206521	20.5172101	0.091263	0.04803872	5.46107674
17	34.67704002	9.61280196	2.08755334	4.1914525	4.53211426	0.04423524	4.14721726	30.4855566	7.29395	0	0	0	0.031	30.4545406	5.42134947	1.2971063	246.450197	20.5375164	0.091263	0.04808627	5.4663895
18	34.60175782	9.61360676	2.08703977	4.18689425	4.52718553	0.04418714	4.14277071	30.4148636	7.27730	0	0	0	0.031	30.3838797	5.42671251	1.29838946	246.693997	20.557833	0.091263	0.04813384	5.47170498
19	34.52658679	9.61441209	2.08652603	4.1823338	4.52225444	0.04413901	4.1381948	30.344253	7.26013	0	0	0	0.031	30.313341	5.43207829	1.29967326	246.93792	20.57816	0.091263	0.04818143	5.47702316
20	34.45153582	9.61512196	2.08601212	4.17771178	4.51732099	0.04409085	4.13368023	30.2737646	7.24327	0	0	0	0.031	30.2424265	5.43744678	1.30087972	247.181868	20.5989873	0.091263	0.04823295	5.48234403
21	34.37660408	9.61602436	2.08549085	4.17320639	4.51238519	0.04404258	4.12916371	30.2035984	7.22643	0	0	0	0.031	30.1726299	5.44281797	1.30224253	247.426138	20.6188448	0.091263	0.04827669	5.48766759
22	34.30179365	9.61681329	2.0849838	4.16863943	4.50744075	0.04399448	4.12464495	30.1331542	7.20963	0	0	0	0.031	30.1024573	5.44819187	1.30352858	247.670431	20.6392026	0.091263	0.04832435	5.49299381
23	34.22710225	9.61763876	2.08446938	4.16407032	4.50250658	0.04394626	4.12012406	30.0630319	7.19285	0	0	0	0.031	30.0324064	5.45356844	1.30481498	247.914846	20.6595705	0.091263	0.04837204	5.4983227
24	34.1525305	9.61844676	2.08395479	4.15949907	4.4975638	0.04389802	4.11560105	29.9930314	7.17610	0	0	0	0.031	29.9624773	5.4584977	1.30610201	248.159382	20.6799485	0.091263	0.04841975	5.50365424
25	34.07807831	9.6192553	2.08344003	4.15492958	4.49261871	0.04384975	4.11107593	29.9231526	7.15938	0	0	0	0.030	29.8926696	5.46432961	1.30738968	248.400404	20.7003367	0.091263	0.04846749	5.50898842
26	34.00374558	9.62006436	2.08292511	4.15035017	4.48767133	0.04380146	4.10654801	29.8533954	7.14269	0	0	0	0.030	29.8228385	5.46974118	1.30867799	248.648819	20.7207348	0.091263	0.04851525	5.51432523
27	33.92953219	9.62087935	2.08241001	4.14577255	4.48272165	0.04375315	4.1020194	29.7837596	7.12603	0	0	0	0.030	29.7534187	5.4751014	1.30996663	248.893717	20.741143	0.091263	0.04856303	5.51966466
28	33.85543805	9.62168406	2.08189474	4.14119282	4.4777697	0.04370482	4.097488	29.7142452	7.10940	0	0	0	0.030	29.6839751	5.48049124	1.3112555	249.138735	20.7615612	0.091263	0.04861084	5.5250067
29	33.78146306	9.6224497	2.0813793	4.13661099	4.47281549	0.04365646	4.09295453	29.6448521	7.09280	0	0	0	0.030	29.6146526	5.48588371	1.31254669	249.383872	20.7819893	0.091263	0.04865867	5.53035134
30	33.70760712	9.62330587	2.0808637	4.13202708	4.46785902	0.04360808	4.088419	29.57558	7.07622	0	0	0	0.030	29.5454511	5.49127879	1.31383752	249.629128	20.8024273	0.091263	0.04870653	5.53569857
31	33.63387012	9.62411756	2.08034792	4.12744109	4.46230093	0.04355969	4.0838141	29.506429	7.05968	0	0	0	0.030	29.4763706	5.49667647	1.31512886	249.874502	20.8228752	0.091263	0.0487544	5.54104837
32	33.56025196	9.62492978	2.07981586	4.12285116	4.45739315	0.04351126	4.07934178	29.437398	7.04316	0	0	0	0.030	29.4018291	5.50201923	1.31642132	250.124819	20.8433328	0.091263	0.04880251	5.54629674
33	33.48675255	9.62574251	2.07931958	4.11826293	4.45257618	0.04346282	4.07480011	29.3684896	7.02654	0	0	0	0.030	29.3385717	5.50747958	1.3177137	250.356503	20.8638002	0.091263	0.04885022	5.55175566
34	33.41337178	9.62655577	2.07879957	4.11367077	4.4480108	0.04341436	4.07025641	29.299701	7.01022	0	0	0	0.030	29.2698531	5.512885	1.31900699	250.611329	20.8842774	0.091263	0.04889817	5.55711313
35	33.34010955	9.62736955	2.07828312	4.10907658	4.44304321	0.04336587	4.06571071	29.231033	6.99379	0	0	0	0.030	29.2012551	5.51829297	1.3203009	250.857171	20.9047642	0.091263	0.04894614	5.56247313
36	33.2669576	9.62818384	2.07776649	4.10448036	4.43807343	0.04331737	4.06116299	29.1624854	6.97739	0	0	0	0.030	29.1327773	5.52370348	1.32159541	251.103128	20.9252607	0.091263	0.04899413	5.56783566
37	33.1939403	9.62899865	2.0772497	4.09988212	4.43310146	0.04326884	4.05661328	29.0940582	6.96101	0	0	0	0.030	29.0644198	5.52911653	1.32289053	251.349201	20.9457668	0.091263	0.04904214	5.57320069
38	33.12103108	9.62981974	2.0767274	4.09521273	4.42831229	0.0432209	4.05236182	29.025712	6.94467	0	0	0	0.030	29.0351273	5.53491282	1.32361921	251.595388	20.9669238	0.091263	0.04909027	5.57856823
39	33.048244	9.63062982	2.0762156	4.09067963	4.42315104	0.04317172	4.04750791	28.9575644	6.92836	0	0	0	0.029	28.928065	5.53995013	1.32548258	251.84169	20.9868075	0.091263	0.04913823	5.58393826
40	32.97557294	9.63144617	2.0756983	4.0860754	4.4181726	0.04312313	4.04295227	28.8894975	6.91207	0	0	0	0.029	28.8600676	5.54537077	1.3267795	252.088106	20.1073422	0.091263	0.04918631	5.58931076
41	32.90301982	9.63226304	2.07518083	4.08146919	4.41319202	0.04307451	4.03839468	28.8215506	6.89574	0	0	0	0.029	28.7921899	5.55079385	1.32807702	252.334634	20.1027862	0.091263	0.04923441	5.59468574
42	32.83058453	9.63308041	2.07466319	4.07686102	4.40820931	0.04302588	4.03383514	28.7537235	6.87959	0	0	0	0.029	28.7244318	5.5562194	1.32937514	252.581276	20.1084396	0.091263	0.04928254	5.60006316
43	32.7584697	9.63389795	2.0741538	4.07230773	4.40326794	0.04297734	4.02927616	28.6865221	6.86388	0	0	0	0.029	28.6597924	5.56164742	1.33067892	252.828029	20.11899024	0.091263	0.04933067	5.60544804
44	32.68606704	9.6347167	2.0736274	4.0676388	4.39823756	0.04292855	4.02471025	28.6184822	6.84721	0	0	0	0.029	28.5892744	5.56707789	1.33197313	253.074894	20.1098575	0.091263	0.04937985	5.61082535
45	32.61398463	9.6355356	2.07310925	4.06302479	4.39324854	0.04287986	4.02014493	28.5509598	6.83107	0	0	0	0.029	28.5218747	5.57251081	1.333273	253.32187	20.1101559	0.091263	0.04942704	5.61621008
46	32.54201965	9.63635501	2.07259093	4.05848084	4.38825754	0.04283114	4.0155777	28.4836108	6.81496	0	0	0	0.029	28.4545943	5.57794616	1.33457346	253.568957	20.11307464	0.091263	0.04947525	5.62159722
47	32.470172	9.63717492	2.07207245	4.05379098	4.38326426	0.04278241	4.01100858	28.416381	6.79887	0	0	0	0.029	28.387433	5.58338393	1.33587449	253.816154	20.1153461	0.091263	0.04952348	5.62698676
48	32.39844517	9.63799533	2.07155379	4.04917122	4.37825902	0.04273365	4.00643757	28.3492703	6.78282	0	0	0	0.029	28.3203907	5.588						

8	28.5655018	9.68470077	2.04224106	3.78775543	4.09506057	0.03997475	3.74778068	24.7777464	5.92830	0	0	0	0.025	24.752505	5.89694533	1.41089686	268.070403	22.3392003	0.031263	0.0523047	5.93776693
9	28.50028373	9.68554761	2.04171287	3.78305415	4.09051346	0.03992504	3.74312011	24.7172406	5.91382	0	0	0	0.025	24.6920609	5.90250247	1.41222645	268.323026	22.3605227	0.031263	0.052354	5.94327477
10	28.43518101	9.68639488	2.04118451	3.77833561	4.08541899	0.03975732	3.73845829	24.6586744	5.89937	0	0	0	0.025	24.6317292	5.90806127	1.41355645	268.575725	22.3831104	0.031263	0.0524033	5.94878427
11	28.37018754	9.68714256	2.04065599	3.77431883	4.08022318	0.03982558	3.73739525	24.5965667	5.88405	0	0	0	0.025	24.571511	5.91362173	1.41488684	268.828499	22.4032749	0.031263	0.05245362	5.95429541
12	28.30530521	9.68809066	2.04017331	3.76890863	4.07522604	0.03975783	3.729131	24.5363984	5.87055	0	0	0	0.025	24.5114029	5.91931883	1.41621762	269.081348	22.4234456	0.031263	0.0525196	5.95980818
13	28.24053393	9.68893918	2.03959846	3.76419161	4.0701276	0.03972607	3.72446555	24.4763423	5.85618	0	0	0	0.025	24.451408	5.92474756	1.41754879	269.33427	22.4445225	0.031263	0.0525513	5.96532256
14	28.1787359	9.68978811	2.03906944	3.7594572	4.06502785	0.03967629	3.7197989	24.4163384	5.84184	0	0	0	0.025	24.3915252	5.93031291	1.41888035	269.587267	22.4656505	0.031263	0.05260067	5.97083854
15	28.1132409	9.69063745	2.03854026	3.75457559	4.05992682	0.0396265	3.71513108	24.3565665	5.82751	0	0	0	0.025	24.3317542	5.93587986	1.42021229	269.840336	22.4866946	0.031263	0.05265605	5.97635611
16	28.04685833	9.6914872	2.03801092	3.7503388	4.05482451	0.0395776	3.7104621	24.2964865	5.81324	0	0	0	0.025	24.2720951	5.94144839	1.42154461	270.093477	22.5077897	0.031263	0.0526994	5.98187526
17	27.9825572	9.69231737	2.03748411	3.74531885	4.04972095	0.03952589	3.70579196	24.2372383	5.79805	0	0	0	0.025	24.2125714	5.9470185	1.42287711	270.346587	22.5288908	0.031263	0.05274984	5.98739596
18	27.91833962	9.69318793	2.03695174	3.74059775	4.04461614	0.03947707	3.70112069	24.1777419	5.78474	0	0	0	0.025	24.1531118	5.95250717	1.42421038	270.590973	22.5499978	0.031263	0.05279826	5.99291821
19	27.85423266	9.6940389	2.0364219	3.73587551	4.03951009	0.03942723	3.69644828	24.118357	5.77053	0	0	0	0.025	24.0937874	5.95816339	1.42554383	270.853327	22.5711106	0.031263	0.0528477	5.99844199
20	27.79023564	9.69489027	2.0358919	3.73115214	4.03440283	0.03937738	3.69177477	24.0590835	5.75635	0	0	0	0.025	24.0345743	5.96373813	1.42687763	271.10675	22.5922292	0.031263	0.05289714	6.00396729
21	27.72634906	9.69574205	2.03561474	3.72647627	4.02929437	0.03932752	3.68710014	23.9999214	5.74220	0	0	0	0.024	23.9754725	5.96939149	1.42821118	271.360243	22.6133536	0.031263	0.0529466	6.00949409
22	27.66525726	9.69659843	2.03481411	3.72170208	4.02418471	0.03927765	3.68242448	23.9408705	5.72807	0	0	0	0.024	23.9164817	5.97489215	1.42974813	271.613803	22.6344836	0.031263	0.05299698	6.01502238
23	27.59890517	9.69744681	2.03430091	3.71709754	4.01907387	0.03922776	3.67774754	23.8819308	5.71502	0	0	0	0.024	23.8576024	5.9804714	1.43088122	271.867431	22.6556193	0.031263	0.05305556	6.02055214
24	27.53534967	9.69829978	2.03377026	3.71224766	4.01396188	0.03917787	3.67306399	23.823102	5.69989	0	0	0	0.024	23.7988332	5.98605213	1.43221646	272.121127	22.6767606	0.031263	0.05309506	6.02608336
25	27.47190299	9.69915315	2.03323944	3.70751884	4.00848473	0.03912796	3.66839088	23.7643841	5.68584	0	0	0	0.024	23.7401751	5.99163431	1.43355204	272.374888	22.6979074	0.031263	0.05314458	6.03161603
26	27.40856603	9.70000602	2.03270845	3.70278898	4.00373444	0.03907804	3.66371094	23.7057777	5.67182	0	0	0	0.024	23.6816278	5.99721794	1.43488798	272.628715	22.7190596	0.031263	0.0531941	6.03715014
27	27.34533869	9.70086107	2.03217731	3.69805808	3.99861903	0.03902812	3.65902096	23.6472806	5.65782	0	0	0	0.024	23.6231909	6.002803	1.43622425	272.882608	22.7402173	0.031263	0.05324364	6.04268566
28	27.28222088	9.70171562	2.03164599	3.69332615	3.99350252	0.03897818	3.65434797	23.5889847	5.64385	0	0	0	0.024	23.5648645	6.00838947	1.43756086	273.136564	22.7613804	0.031263	0.05329319	6.04822258
29	27.21921248	9.70257055	2.03111452	3.68859321	3.9883488	0.03892823	3.64964698	23.5306193	5.62991	0	0	0	0.024	23.5066484	6.01397734	1.43889781	273.390585	22.7825487	0.031263	0.05334275	6.05376089
30	27.1563134	9.70342587	2.03058288	3.68358527	3.98326621	0.03887827	3.644981	23.4724541	5.61599	0	0	0	0.024	23.4485425	6.0195666	1.44023509	273.646468	22.8037223	0.031263	0.05339233	6.05930057
31	27.09352353	9.70428158	2.03005108	3.67912434	3.97814645	0.03882829	3.64029605	23.4143992	5.60210	0	0	0	0.024	23.3905467	6.02515724	1.44157277	273.898814	22.8249041	0.031263	0.05344192	6.06484162
32	27.03084277	9.70513767	2.02951912	3.67438844	3.97302654	0.03877831	3.63561013	23.3564543	5.58824	0	0	0	0.024	23.3326609	6.03074923	1.44291064	274.153021	22.8460851	0.031263	0.05349152	6.07038401
33	27.06827102	9.70599414	2.02896899	3.66965158	3.96790378	0.03872633	3.63092325	23.2986194	5.57440	0	0	0	0.024	23.2744884	6.03634284	1.44402835	274.407289	22.8677241	0.031263	0.05354413	6.07592773
34	27.00580818	9.70684916	2.0284371	3.6649176	3.96285732	0.03867832	3.62625144	23.240894	5.56059	0	0	0	0.024	23.2568127	6.04251218	1.44519473	274.661517	22.8884862	0.031263	0.05359376	6.08197296
35	27.04834515	9.70770821	2.02792225	3.66017502	3.95767502	0.03862831	3.62154671	23.1832791	5.54760	0	0	0	0.024	23.2368841	6.04753319	1.44626269	274.916007	22.9096672	0.031263	0.05364309	6.08791011
36	26.98120882	9.70856881	2.02738964	3.65543535	3.95253213	0.03857829	3.61685706	23.1257735	5.53305	0	0	0	0.024	23.202215	6.05313047	1.44826555	275.170454	22.9308712	0.031263	0.05369004	6.09256663
37	26.91790721	9.70942379	2.02685687	3.65069477	3.94740626	0.03852826	3.61216651	23.0683773	5.51932	0	0	0	0.023	23.0448774	6.05872902	1.44960505	275.42496	22.95208	0.031263	0.05373969	6.09811567
38	26.85704387	9.71028214	2.02632393	3.6459533	3.94227994	0.03847822	3.60745058	23.0110906	5.50561	0	0	0	0.023	23.027649	6.06432884	1.45094486	275.679523	22.9732936	0.031263	0.05378936	6.10366578
39	26.795512405	9.71114086	2.02579083	3.64121094	3.93715163	0.03842767	3.60278277	22.9539311	5.49193	0	0	0	0.023	23.0032927	6.06992992	1.45228487	275.934144	22.994512	0.031263	0.05383804	6.10921718
40	26.73312322	9.71195599	2.02526488	3.63627756	3.93208781	0.03837171	3.598085196	22.8954847	5.47827	0	0	0	0.023	22.9781698	6.07551224	1.45348821	276.188023	23.0157351	0.031263	0.05388827	6.11476965
41	26.67160918	9.71285941	2.02472414	3.63172363	3.92689233	0.03832804	3.59339559	22.8398566	5.46465	0	0	0	0.023	22.9516814	6.08113578	1.45496607	276.443553	23.0369628	0.031263	0.05393844	6.12032364
42	26.61001394	9.71371923	2.02419055	3.62697877	3.92176266	0.03827797	3.58870074	22.7830352	5.45104	0	0	0	0.023	22.7598259	6.08674053	1.45630706	276.698341	23.0581951	0.031263	0.05398815	6.12587868
43	26.54852668	9.71457942	2.02365681	3.62223294	3.91663119	0.03822788	3.58400506	22.7262937	5.43749	0	0	0	0.023	22.7031423	6.09234647	1.45764833	276.953182	23.0794319	0.031263	0.05403787	6.1313449
44	26.48714732	9.71543996	2.02312129	3.61748637	3.91149883	0.03817779	3.57930858	22.669661	5.42392	0	0	0	0.023	22.6465672	6.09795359	1.45889888	277.208078	23.1006731	0.031263	0.05408761	6.13699229
45	26.42589714	9.716319673	2.02258883	3.61278899	3.90684661	0.03812769	3.57461138	22.6132488	5.41040	0	0	0	0.023	22.5901029	6.10356188	1.45983451	277.463021	23.1219189	0.031263	0.05413735	6.14255058
46	26.36471185	9.71716213	2.02205459	3.60799082	3.90121513	0.03807757	3.56991325	22.556721	5.39690	0	0	0	0.023	22.5337422	6.10917131	1.46167382	277.718026	23.1431688	0.031263	0.05418711	6.14811051
47	26.30355554	9.71802376	2.0215202	3.60324187	3.89609661	0.03802746	3.56521442	22.5004137	5.38343	0	0	0	0.023	22.4774923	6.11478188	1.4630162	277.973078	23.1644232	0.031263	0.05423687	6.15367131
48	26.0427067	9.71888573	2.02098565	3.59849216	3.88906687	0.03797733	3.56051483	22.4442145	5.36998	0	0	0	0.023	22.4213504	6.12039357	1.46435885	278.228181	23.1856817	0.031263	0.05428665	6.15923322
49	26.08186525	9.71974806	2.02045093	3.5937417	3.88582431	0.03792719	3.55581451	22.3881235	5.35656	0	0	0	0.023	22.3653166	6.12600636	1.46570176	278.48334	23.2069445	0.031263	0.05433643	6.16479623
50	25.92113107	9.72067014	2.01991065	3.5889905	3.88066696	0.03787705	3.55113455	22.3321406	5.34316	0	0	0									

10	22.68806208	9.76942033	1.98971034	3.32217154	3.59218219	0.03506113	3.28711041	19.3658905	4.63346	0	0	0	0.020	19.3461623	6.44724849	1.54256181	293.086743	24.4238953	0.031263	0.05718578	6.48318901
11	22.63327274	9.77029942	1.98916652	3.31740126	3.5870242	0.03501079	3.28239048	19.3187155	4.62149	0	0	0	0.020	19.2961942	6.45289816	1.54391354	293.343573	24.4452977	0.031263	0.05728801	6.48878857
12	22.57385847	9.77117904	1.98862255	3.31263106	3.5818663	0.03496044	3.27767062	19.2659536	4.60955	0	0	0	0.020	19.2463272	6.45854798	1.54526551	293.600409	24.4667007	0.031263	0.05728861	6.49438827
13	22.52399785	9.77205880	1.98807841	3.30786096	3.57670851	0.0349101	3.27295086	19.2161369	4.59763	0	0	0	0.020	19.1956562	6.46419793	1.54651711	293.857251	24.4881043	0.031263	0.05723612	6.49998812
14	22.4695121	9.77293898	1.98753415	3.30309097	3.57155083	0.03485976	3.26823121	19.1664211	4.58574	0	0	0	0.020	19.1466861	6.46984801	1.54796804	294.114099	24.5059083	0.031263	0.05738623	6.50558808
15	22.41512733	9.77381828	1.98689972	3.2983211	3.56639329	0.03480942	3.26351168	19.1168062	4.57387	0	0	0	0.020	19.0973318	6.47549819	1.5493208	294.370952	24.5309126	0.031263	0.05743635	6.51118814
16	22.36084345	9.77469981	1.98644514	3.29551337	3.5612359	0.03475908	3.25879229	19.0729291	4.56202	0	0	0	0.019	19.0746861	6.48114845	1.55067267	294.627808	24.5523173	0.031263	0.05748647	6.51678828
17	22.30666034	9.77558057	1.98600041	3.28878179	3.55607867	0.03470785	3.25407305	19.0178785	4.55020	0	0	0	0.019	19.0985940	6.48679877	1.55202457	294.884667	24.5737323	0.031263	0.05753658	6.52238849
18	22.25275791	9.77646154	1.98553552	3.28438138	3.55092163	0.03465841	3.24953937	19.0685458	4.53840	0	0	0	0.019	19.0824012	6.49024915	1.55339747	295.141529	24.5951728	0.031263	0.05757867	6.52798875
19	22.19859505	9.77734216	1.98481049	3.27924316	3.54575479	0.03460808	3.24463108	19.0193529	4.52662	0	0	0	0.019	19.0007998	6.49080957	1.55472818	295.398393	24.6165327	0.031263	0.05763463	6.53359985
20	22.14471465	9.77822413	1.9842653	3.27447413	3.54060816	0.03455775	3.2391639	18.9702405	4.51487	0	0	0	0.019	18.9851072	6.5374999	1.5560803	295.655256	24.637938	0.031263	0.05768694	6.53918936
21	22.09093362	9.77910574	1.98371997	3.26970532	3.53545176	0.03450742	3.2351979	18.8212283	4.50315	0	0	0	0.019	18.8020549	6.50940042	1.55743221	295.91212	24.6593434	0.031263	0.05773706	6.54478967
22	22.03752284	9.77998577	1.98317448	3.26496374	3.53029561	0.03445709	3.23047965	18.7723161	4.49144	0	0	0	0.019	18.7531926	6.51505083	1.55878412	296.168983	24.6807486	0.031263	0.05778717	6.55038996
23	22.98367222	9.78086961	1.98262884	3.2601684	3.52513972	0.03440677	3.22576163	18.7235038	4.47977	0	0	0	0.019	18.740443	6.52070121	1.56013603	296.425845	24.7021537	0.031263	0.05783729	6.55599022
24	22.93109165	9.78175185	1.98208305	3.25540051	3.51989411	0.03435645	3.22104387	18.6747913	4.46811	0	0	0	0.019	18.6557672	6.52635153	1.56149833	296.682704	24.7235587	0.031263	0.05788741	6.56159842
25	22.87881102	9.78263429	1.98157311	3.2506325	3.51482879	0.03430613	3.21632637	18.6261785	4.45648	0	0	0	0.019	18.6072039	6.53200179	1.56283959	296.93956	24.7449533	0.031263	0.05793753	6.56719026
26	22.82353023	9.78351694	1.98099103	3.24586498	3.50967378	0.03425581	3.21160916	18.5776653	4.44487	0	0	0	0.019	18.55874	6.53765196	1.56419164	297.196412	24.7663677	0.031263	0.05798764	6.57279062
27	22.77034918	9.78439978	1.98044479	3.24109776	3.50451911	0.0342005	3.20689226	18.5292514	4.43329	0	0	0	0.019	18.5103755	6.54330202	1.56554347	297.45326	24.7877716	0.031263	0.05803776	6.57839057
28	22.71726716	9.78528282	1.9798984	3.23633086	3.49936477	0.03415519	3.20217566	18.4809367	4.42173	0	0	0	0.019	18.4621102	6.54895197	1.56689527	297.710102	24.8091751	0.031263	0.05808787	6.5839904
29	22.66428587	9.78616606	1.97935186	3.23156428	3.4942108	0.03410489	3.19745939	18.4327216	4.41019	0	0	0	0.019	18.413944	6.55460177	1.56824704	297.966937	24.8305781	0.031263	0.05813798	6.58959009
30	22.61140339	9.78704948	1.97880517	3.22679806	3.48905719	0.03405459	3.19274347	18.3846053	4.39868	0	0	0	0.019	18.3653678	6.56025142	1.56959877	298.223765	24.8519805	0.031263	0.05818809	6.59518963
31	22.55862024	9.7879331	1.97825834	3.222032	3.48393039	0.03400429	3.18802791	18.336588	4.38719	0	0	0	0.019	18.3179084	6.56590909	1.57095046	298.480587	24.8733822	0.031263	0.0582382	6.600789
32	22.5059363	9.78881861	1.97771135	3.21726671	3.47875119	0.033954	3.1831272	18.2886696	4.37573	0	0	0	0.019	18.2700387	6.57155019	1.5732031	298.737399	24.8947832	0.031263	0.05828831	6.60638818
33	22.45335147	9.7897009	1.97716422	3.21250162	3.47359881	0.03390371	3.17859791	18.2408498	4.36429	0	0	0	0.019	18.2222677	6.57719928	1.57365369	298.994202	24.9161835	0.031263	0.05833842	6.61198716
34	22.40086564	9.79058507	1.97661693	3.20773694	3.46844687	0.03385342	3.17388351	18.1931287	4.35287	0	0	0	0.019	18.1745952	6.58284813	1.57500523	299.250994	24.9375829	0.031263	0.05838836	6.61758951
35	22.34847871	9.79149443	1.9760605	3.20297268	3.46329539	0.03380134	3.16916953	18.145506	4.34147	0	0	0	0.019	18.127021	6.58849675	1.57635672	299.507776	24.9589813	0.031263	0.05843863	6.62318443
36	22.29519057	9.79234216	1.9755192	3.19752143	3.45814459	0.03375387	3.16445458	18.0979817	4.3301	0	0	0	0.019	18.1092585	6.59314439	1.57761654	299.767544	24.9803788	0.031263	0.05848871	6.62939359
37	22.24400112	9.79323867	1.97497419	3.19434548	3.45297938	0.03370326	3.15974288	18.050556	4.31876	0	0	0	0.018	18.0321674	6.59793919	1.57950949	300.021303	25.0017753	0.031263	0.05853882	6.63483067
38	22.19191026	9.79412355	1.97442632	3.18868257	3.44784836	0.03365233	3.15503024	18.0032277	4.30743	0	0	0	0.018	17.9848876	6.60544098	1.58041077	300.278047	25.0231706	0.031263	0.05858892	6.63997836
39	22.13991788	9.79500861	1.97387829	3.18392015	3.44269437	0.03360207	3.15031808	17.9559977	4.29615	0	0	0	0.018	17.9377058	6.61108846	1.58176198	300.534777	25.0445647	0.031263	0.05863901	6.64557575
40	22.08802387	9.79589383	1.97333012	3.17915822	3.43754541	0.03355181	3.14560641	17.9088656	4.28486	0	0	0	0.018	17.8906217	6.61737561	1.58311311	300.791492	25.0659576	0.031263	0.05868891	6.65117281
41	22.03622813	9.7967922	1.9727818	3.17439681	3.43239702	0.03350166	3.14089925	17.8618313	4.27360	0	0	0	0.018	17.8436353	6.62238241	1.58446416	301.048191	25.0873492	0.031263	0.05873196	6.65676953
42	22.98435056	9.79760746	1.97197234	3.17072334	3.42719417	0.03345132	3.13614841	17.8148946	4.26217	0	0	0	0.018	17.7967464	6.62627233	1.58583532	301.304877	25.1087394	0.031263	0.05878997	6.66236588
43	22.93029304	9.79855400	1.97168473	3.16487558	3.42210195	0.03340108	3.13147451	17.7680555	4.25117	0	0	0	0.018	17.749955	6.63367491	1.58716599	301.561539	25.1303282	0.031263	0.05883935	6.66796186
44	22.88142948	9.79943637	1.97113597	3.1601158	3.41695531	0.03335085	3.12676495	17.7213137	4.23998	0	0	0	0.018	17.7032608	6.63932057	1.58851677	301.818186	25.1515155	0.031263	0.05888942	6.67355745
45	22.83002577	9.80032276	1.97058706	3.15535659	3.41180929	0.03330062	3.12205597	17.6746692	4.22882	0	0	0	0.018	17.6566638	6.64496581	1.58986744	302.074814	25.1729012	0.031263	0.05893949	6.67915262
46	22.77871981	9.80120859	1.97003801	3.15059797	3.40663691	0.0332504	3.11734757	17.6281218	4.21769	0	0	0	0.018	17.6101639	6.65061062	1.59121801	302.331423	25.1942852	0.031263	0.05898956	6.68474736
47	22.72511448	9.80208795	1.96951918	3.14583098	3.40193018	0.0332008	3.11263675	17.5816715	4.20657	0	0	0	0.018	17.5922696	6.65624549	1.59259894	302.588011	25.2156675	0.031263	0.05903961	6.69034166
48	22.67460409	9.80298142	1.96892947	3.14108255	3.39637512	0.03314997	3.10793257	17.5353181	4.19548	0	0	0	0.018	17.5174548	6.66189887	1.59391883	302.844578	25.2370081	0.031263	0.05908969	6.69593549
49	22.62538733	9.80386806	1.96838998	3.13632578	3.39123175	0.03309977	3.10322601	17.4890615	4.18441	0	0	0	0.018	17.4712453	6.66754228	1.59526906	303.101122	25.2584269	0.031263	0.05913974	6.70152884
50	22.57447129	9.80475485	1.96784034	3.13156966	3.38608008	0.03304958	3.09852009	17.4429016	4.17337	0	0	0	0.018	17.4251324	6.67318518	1.59661918	303.357644	25.2798037	0.031263	0.05918979	6.70712169
51	22.52365246	9.80564178	1.96729056	3.12681421	3.38094712	0.03299939	3.09381482	17.3968383	4.16235	0	0	0	0.018	17.3791159	6.67882756	1.59796917	303.614142	25.3011785	0.031263	0.05923984	6.71271403
52	22.47293976	9.80652885	1.96674063	3.12205994	3.3758059	0.03294921	3.08911023	17.3508713	4.15155	0	0										

12	17.7842383	9.85635377	1.93571942	2.85734873	3.08958074	0.03015554	2.82719319	14.9268896	3.57139	0	0	0	0.015	14.9116834	6.99900504	1.67457449	318.169153	26.5140961	0.0931263	0.06207975	7.03005159
13	17.7388766	9.85724478	1.93516157	2.85265801	3.08450879	0.03010604	2.82255198	14.8862186	3.56166	0	0	0	0.015	14.8710539	7.00458677	1.67590997	318.422894	26.5352412	0.0931263	0.06212926	7.0355881
14	17.69360584	9.85813579	1.934604358	2.84796887	3.07943853	0.03005655	2.81791232	14.8454637	3.55195	0	0	0	0.015	14.8305136	7.01574692	1.67724507	318.676564	26.5568003	0.0931263	0.06217875	7.04114447
15	17.64842591	9.85902679	1.93404546	2.84328131	3.07436698	0.03000708	2.81272423	14.8051446	3.54426	0	0	0	0.015	14.7900625	7.01574548	1.67857979	318.93016	26.5775134	0.0931263	0.06222821	7.04664355
16	17.6033367	9.85991778	1.93348871	2.83859534	3.06930317	0.02995762	2.80863772	14.7647414	3.53260	0	0	0	0.015	14.7497004	7.02132244	1.67901413	319.183864	26.5986404	0.0931263	0.0622777	7.05217104
17	17.5583381	9.86080876	1.93292882	2.833911	3.0642381	0.02990818	2.80400281	14.7244271	3.52295	0	0	0	0.015	14.7094272	7.02689776	1.68124807	319.437134	26.6197612	0.0931263	0.06232715	7.05769691
18	17.5136133	9.86169972	1.93237031	2.82922829	3.0591748	0.02985877	2.79936952	14.6842017	3.51333	0	0	0	0.015	14.6692428	7.03247144	1.68258163	319.690509	26.6408577	0.0931263	0.06237195	7.06322115
19	17.46841231	9.86259067	1.93181166	2.82454722	3.05411327	0.02980936	2.79473785	14.6440651	3.50372	0	0	0	0.015	14.629147	7.03804345	1.68391478	319.943808	26.661984	0.0931263	0.06242601	7.06874374
20	17.4238849	9.86349159	1.93125389	2.81986781	3.04953555	0.02975998	2.79010783	14.6040171	3.49414	0	0	0	0.015	14.5891388	7.04363178	1.68524753	320.197031	26.6830859	0.0931263	0.06247542	7.07426466
21	17.37327478	9.86413725	1.93069398	2.81519008	3.04396963	0.02971061	2.78547497	14.5640575	3.48458	0	0	0	0.015	14.5492211	7.04918242	1.68657988	320.450377	26.7043144	0.0931263	0.06252487	7.0798739
22	17.33470053	9.86526337	1.93013494	2.81051404	3.03893955	0.02966612	2.78045878	14.5241865	3.47404	0	0	0	0.015	14.5093906	7.05447033	1.68791181	320.703244	26.7252703	0.0931263	0.06257419	7.08530144
23	17.29024335	9.86615422	1.92957577	2.80583971	3.03388531	0.02962193	2.77622778	14.4844036	3.46552	0	0	0	0.015	14.4696482	7.06031451	1.68924333	320.956233	26.7463527	0.0931263	0.06262355	7.09081726
24	17.24587602	9.86704504	1.92901647	2.80116711	3.02882394	0.02956262	2.77160449	14.4447089	3.45603	0	0	0	0.015	14.429994	7.06587794	1.69057443	321.209142	26.7674285	0.0931263	0.0626729	7.09633134
271	1	17.20159845	9.86793583	1.92845704	2.79649624	0.02953132	2.76682892	14.4051022	3.44655	0	0	0	0.015	14.3904726	7.07143959	1.6919051	321.46197	26.7884975	0.0931263	0.06272223	7.10184366
2	17.15741052	9.86882658	1.92789748	2.79362712	3.01873384	0.02946405	2.76136308	14.3655834	3.43789	0	0	0	0.015	14.350949	7.07699945	1.69326325	321.714717	26.8095597	0.0931263	0.06277154	7.10735421
3	17.11321212	9.86971729	1.92715578	2.79155978	3.01368716	0.02941479	2.75774499	14.32651523	3.42766	0	0	0	0.015	14.3115582	7.08255751	1.69456351	321.967387	26.8306151	0.0931263	0.06282084	7.11285297
4	17.06930315	9.87067096	1.92677798	2.78249422	3.0086424	0.02936555	2.75312867	14.2868089	3.41825	0	0	0	0.015	14.2722548	7.08811374	1.69589455	322.219964	26.8516636	0.0931263	0.06287013	7.11836992
5	17.0253835	9.87149859	1.92621803	2.77783045	3.00359959	0.02931633	2.74851412	14.247553	3.40885	0	0	0	0.015	14.2330389	7.09366813	1.69722348	322.472462	26.8727051	0.0931263	0.06291939	7.12387504
6	16.98155306	9.87238917	1.92565795	2.7731685	2.99955874	0.02926713	2.74390138	14.2083846	3.39948	0	0	0	0.015	14.1939103	7.09922066	1.69855197	322.727485	26.8937396	0.0931263	0.06296864	7.12937832
7	16.93781172	9.87327297	1.92509775	2.76850839	2.99351987	0.02921795	2.73929044	14.1693033	3.39013	0	0	0	0.015	14.1548689	7.10477131	1.69988002	322.977203	26.9147669	0.0931263	0.06301788	7.13487974
8	16.89415937	9.87417018	1.92453742	2.76385011	2.98846299	0.02916879	2.73468133	14.1303093	3.38080	0	0	0	0.015	14.1159146	7.11032006	1.70120761	323.229445	26.9357871	0.0931263	0.06306709	7.14037927
9	16.85059591	9.87520606	1.92397696	2.7591937	2.98344813	0.02911964	2.73007406	14.0914022	3.37149	0	0	0	0.015	14.0770472	7.1158669	1.70253474	323.4816	26.9568	0.0931263	0.06311629	7.14587691
10	16.80712123	9.87595097	1.92341637	2.75453916	2.97841529	0.02907052	2.72546864	14.0525821	3.36221	0	0	0	0.015	14.0382666	7.12141181	1.7038614	323.736677	26.9778056	0.0931263	0.06316547	7.15137264
11	16.76373522	9.87684128	1.92285566	2.74988652	2.9733845	0.02902142	2.7208651	14.0138487	3.35294	0	0	0	0.015	13.9995727	7.12695476	1.70518761	323.985645	26.9988038	0.0931263	0.06321464	7.15686643
12	16.72043776	9.87773152	1.92229481	2.74523577	2.96835577	0.02897234	2.71626344	13.975202	3.34369	0	0	0	0.015	13.9606053	7.13249575	1.70651334	324.237534	27.0197945	0.0931263	0.06326379	7.16235826
13	16.67722876	9.8786217	1.92173584	2.74038695	2.96332911	0.02892327	2.71166368	13.9364188	3.33447	0	0	0	0.015	13.9224444	7.13803475	1.70788639	324.489332	27.0400777	0.0931263	0.06331292	7.16784813
14	16.6341081	9.87951187	1.92121725	2.73594007	2.95835045	0.02887423	2.70706508	13.898168	3.32517	0	0	0	0.015	13.8840086	7.14357327	1.70913817	324.74104	27.0613733	0.0931263	0.06336201	7.17336802
15	16.59107568	9.88040186	1.92061562	2.73129514	2.9533281	0.02882521	2.70246993	13.8597805	3.31608	0	0	0	0.015	13.8456515	7.14901672	1.71048766	324.996255	27.0822713	0.0931263	0.06341112	7.1788219
16	16.54813139	9.88129183	1.92005018	2.72665217	2.94826178	0.02877621	2.69787596	13.8214792	3.30691	0	0	0	0.015	13.8073991	7.15463965	1.71181146	325.244178	27.1036815	0.0931263	0.0634602	7.18430576
17	16.50527511	9.88218172	1.9194887	2.72201119	2.9432436	0.02872723	2.69328396	13.7832639	3.29777	0	0	0	0.015	13.7692228	7.16017053	1.71313478	325.495607	27.1246339	0.0931263	0.06350926	7.18978758
18	16.46250674	9.88307154	1.9189271	2.71737322	2.93822758	0.02867827	2.68869393	13.7451345	3.28865	0	0	0	0.015	13.7311322	7.16569933	1.71445759	325.746942	27.1455785	0.0931263	0.06355829	7.19526734
19	16.41862818	9.88396127	1.91836538	2.71275523	2.93321373	0.02862934	2.6841059	13.7070969	3.27954	0	0	0	0.015	13.6931274	7.17122604	1.7157799	325.998182	27.1665152	0.0931263	0.06360732	7.20074503
20	16.37372133	9.88485295	1.91780352	2.7080208	2.92858042	0.02858042	2.67951208	13.669131	3.27046	0	0	0	0.015	13.6652806	7.17635292	1.71692327	326.249324	27.1874478	0.0931263	0.06365647	7.20622062
21	16.33472801	9.88574049	1.91724455	2.70346738	2.92319263	0.02853153	2.67493585	13.6312606	3.26140	0	0	0	0.015	13.6173743	7.18227311	1.71842301	326.500373	27.2083644	0.0931263	0.06370353	7.21169411
22	16.2923102	9.88662996	1.91667945	2.69883653	2.91818541	0.02848265	2.67035388	13.5934737	3.25236	0	0	0	0.015	13.5796259	7.18779343	1.7197438	326.751322	27.2297868	0.0931263	0.06375426	7.21716547
23	16.24997975	9.88751935	1.91611722	2.69420776	2.91318043	0.0284338	2.66577396	13.555772	3.24334	0	0	0	0.015	13.5419626	7.19331159	1.72106407	327.002173	27.2501811	0.0931263	0.06380321	7.22263486
272	1	16.20778656	9.88840804	1.91555487	2.68958107	2.90817771	0.02838497	2.6611961	13.5181555	2.2434	0	0	0.015	13.5043844	7.19882757	1.72238382	327.252925	27.2710771	0.0931263	0.06385214	7.22810173
2	16.1658052	9.88927163	1.9149294	2.68490449	2.90326172	0.02833617	2.65680874	13.480434	3.23566	0	0	0	0.015	13.4720134	7.20451134	1.72369084	327.503577	27.2919648	0.0931263	0.06390139	7.2335666
3	16.12351151	9.89018692	1.91442298	2.68033402	2.8981791	0.02828738	2.65204664	13.4431775	3.22640	0	0	0	0.015	13.4294828	7.2098529	1.72502173	327.754128	27.312484	0.0931263	0.06394993	7.23902928
4	16.08152944	9.89107591	1.91386709	2.67571369	2.89318325	0.02823862	2.64747507	13.4058158	3.20746	0	0	0	0.015	13.3921591	7.21536223	1.72633988	328.004578	27.3337148	0.0931263	0.06399879	7.24448974
5	16.03963419	9.89196468	1.91330424	2.6710955	2.88818972	0.02818988	2.64290562	13.3685387	3.19854	0	0	0	0.015	13.35492	7.2208693	1.7276575	328.254925	27.354577	0.0931263	0.06404764	7.24994974
6	15.99782566	9.89285358	1.91274128	2.66647948	2.88319852	0.02814117	2.63833831	13.3313462	3.18964	0	0	0	0.015	13.3177654	7.2263741	1.72897457	328.505168	27.3754307	0.0931263	0.06409647	7.25540393
7	15.95610373	9.89374225	1.91221879	2.66186565	2.87820969	0.02809247	2.63377316	13.2942381	3.18007	0											

14	13.7545205	9.943248	1.88045788	2.40742157	2.60308559	0.02540715	2.38201441	1.13740989	2.71489	0	0	0	0.012	11.3355395	7.53582643	1.80301381	342.572623	28.54777186	0.0931263	0.06684125	7.56211149
15	13.71755295	9.9441259	1.87988825	2.4029561	2.59825719	0.02536003	2.37756607	1.1345979	2.70712	0	0	0	0.012	11.3030716	7.5411698	1.80429922	342.815528	28.5679607	0.0931263	0.06688864	7.56740746
16	13.68066764	9.94500354	1.87931852	2.39849465	2.59343206	0.02531293	2.37318072	1.1282174	2.69936	0	0	0	0.011	11.2706887	7.54650989	1.80556992	343.058428	28.5881904	0.0931263	0.06695901	7.57270018
17	13.64386146	9.9458809	1.87874686	2.39403423	2.5886102	0.02526587	2.36876837	1.12498272	2.69162	0	0	0	0.011	11.2383669	7.55184667	1.80686479	343.30089	28.604075	0.0931263	0.06698324	7.57789063
18	13.60713529	9.94675799	1.87817873	2.38957786	2.58379163	0.02521884	2.36435902	1.12175574	2.68390	0	0	0	0.011	11.20613	7.55718013	1.80812287	343.543345	28.6286121	0.0931263	0.06703065	7.58327579
19	13.57048802	9.94763481	1.87760868	2.38512454	2.57897637	0.02517184	2.35995271	1.11853645	2.67620	0	0	0	0.011	11.1739698	7.56251027	1.80939815	343.785649	28.6488041	0.0931263	0.06707793	7.58855864
20	13.53392255	9.94851135	1.87708353	2.3806743	2.57416443	0.02512487	2.35554943	1.11532483	2.66851	0	0	0	0.011	11.1418863	7.56783705	1.81067263	344.02078	28.6689833	0.0931263	0.06712517	7.59383817
21	13.49743577	9.9493876	1.87646826	2.37622714	2.56935583	0.02507794	2.35114492	1.11212086	2.66085	0	0	0	0.011	11.1098794	7.57316046	1.81194631	344.269798	28.6891498	0.0931263	0.06717239	7.59911437
22	13.46102855	9.95026357	1.8758979	2.37178308	2.56455057	0.02503104	2.34675204	1.10894245	2.65320	0	0	0	0.011	11.0779488	7.5784865	1.81331917	344.511643	28.7093905	0.0931263	0.06721958	7.60438722
23	13.4247008	9.95113921	1.87532741	2.36704223	2.55974869	0.02498417	2.34218579	1.1057358	2.64557	0	0	0	0.011	11.0467944	7.58379123	1.81449312	344.751333	28.7294444	0.0931263	0.06726564	7.60971262
24	13.3884524	9.95201466	1.87475685	2.36239041	2.55455018	0.02493733	2.33796608	1.10255481	2.63796	0	0	0	0.011	11.0143163	7.5891035	1.81576246	344.994867	28.7495723	0.0931263	0.06731386	7.61492278
25	13.35228324	9.95288976	1.87418617	2.35846963	2.55015507	0.02489053	2.3335791	1.09938136	2.63037	0	0	0	0.011	10.9826141	7.59442013	1.81703287	345.236246	28.7696871	0.0931263	0.06736096	7.62018547
26	13.31619322	9.95376457	1.87361539	2.3540381	2.54536337	0.02484376	2.32919434	1.09621551	2.62279	0	0	0	0.011	10.9509879	7.59972647	1.81830246	345.477468	28.789789	0.0931263	0.06740803	7.62544474
27	13.28018221	9.95463909	1.8730445	2.34960974	2.54057509	0.02479703	2.32481272	1.09307525	2.61524	0	0	0	0.011	10.9194374	7.60502934	1.81957122	345.718532	28.8098777	0.0931263	0.06745506	7.63070058
28	13.24425011	9.9555133	1.87247251	2.34518457	2.53579026	0.02475032	2.32043428	1.08976476	2.60770	0	0	0	0.011	10.8879626	7.61032874	1.82039818	345.959438	28.8299532	0.0931263	0.06750207	7.63595297
29	13.20839881	9.95638721	1.87190242	2.34076258	2.53100887	0.02470366	2.31605802	1.08673642	2.60018	0	0	0	0.011	10.8565633	7.61562463	1.82120624	346.200185	28.8500154	0.0931263	0.06754904	7.64120189
30	13.17622129	9.95726082	1.87133122	2.3363438	2.52623906	0.02465702	2.31168678	1.08362784	2.59268	0	0	0	0.011	10.8252394	7.62091702	1.82337249	346.440773	28.8700644	0.0931263	0.06759598	7.64644734
31	13.13692616	9.95813412	1.87075993	2.33192824	2.52145652	0.02461042	2.30731782	1.08049979	2.58519	0	0	0	0.011	10.7939908	7.62620587	1.82463789	346.6812	28.8901	0.0931263	0.06764289	7.65168928
32	13.10130859	9.9590071	1.87018853	2.32751952	2.51668559	0.02456385	2.30295207	1.0773927	2.57737	0	0	0	0.011	10.7628173	7.63149118	1.82520245	346.921466	28.9101222	0.0931263	0.06768977	7.65692771
33	13.06576937	9.95987978	1.86961703	2.32310684	2.51191816	0.02451732	2.29858952	1.0743716	2.57028	0	0	0	0.011	10.7317189	7.63677293	1.82716616	347.16157	28.9301308	0.0931263	0.06773662	7.66216261
34	13.0303084	9.96075213	1.86904543	2.31870103	2.50715425	0.02447082	2.2942302	1.07116074	2.56285	0	0	0	0.011	10.7005954	7.6420511	1.82842901	347.401512	28.950126	0.0931263	0.06778344	7.66739397
35	12.9942556	9.96162417	1.86847372	2.31429849	2.5023939	0.02442436	2.28987413	1.06806271	2.55544	0	0	0	0.011	10.6697466	7.64732568	1.829491	347.64129	28.9701075	0.0931263	0.06783022	7.67262176
36	12.95962075	9.96249589	1.86790192	2.30989924	2.4976371	0.02437793	2.2852513	1.06499725	2.54804	0	0	0	0.011	10.6388725	7.65259666	1.83095213	347.880904	28.9900753	0.0931263	0.06787697	7.67784598
37	12.92439385	9.96336728	1.86733002	2.30530532	2.49288386	0.02433154	2.28117174	1.06198255	2.54066	0	0	0	0.011	10.608073	7.657864	1.83221238	348.120353	29.0100294	0.0931263	0.06792369	7.68306663
38	12.88924474	9.96423835	1.86675801	2.30111064	2.48813421	0.02428518	2.27682546	1.05881341	2.53331	0	0	0	0.011	10.5773479	7.66312771	1.83347177	348.359637	29.0299697	0.0931263	0.06797308	7.68828361
39	12.85417333	9.96510909	1.86618591	2.29672133	2.48338815	0.02423886	2.27248247	1.05600386	2.52596	0	0	0	0.011	10.546697	7.66838776	1.83473029	348.598755	29.0498862	0.0931263	0.06802704	7.69349347
40	12.8191795	9.96597471	1.86561371	2.29233527	2.47864571	0.02419157	2.26814279	1.05326844	2.51881	0	0	0	0.011	10.5161751	7.67364841	1.83598841	348.837709	29.0698366	0.0931263	0.06807564	7.69877073
41	12.78425314	9.96684956	1.86505414	2.28795274	2.47393069	0.02414632	2.26380642	1.05063104	2.51334	0	0	0	0.011	10.4856177	7.67898682	1.83724468	349.076488	29.0897074	0.0931263	0.06812055	7.70391287
42	12.74942414	9.96771929	1.864469	2.28357348	2.46917171	0.0241001	2.25947338	1.04785007	2.50405	0	0	0	0.011	10.455189	7.68441581	1.83850054	349.315103	29.1095919	0.0931263	0.06816581	7.7091153
43	12.71466238	9.96858869	1.8638965	2.27919761	2.46444019	0.02405392	2.25514369	1.04504548	2.49678	0	0	0	0.011	10.4248341	7.68939108	1.83975552	349.553459	29.1294624	0.0931263	0.06820333	7.71431404
44	12.6797776	9.96945747	1.86332391	2.27482513	2.45971233	0.02400777	2.25081735	1.04227903	2.48929	0	0	0	0.011	10.3945528	7.69463261	1.8410099	349.791824	29.1491387	0.0931263	0.06824983	7.71950909
45	12.64537016	9.97032644	1.86275121	2.27045605	2.45498816	0.02396166	2.24640439	1.03947491	2.48253	0	0	0	0.011	10.3643451	7.69987039	1.84226079	350.02993	29.1691008	0.0931263	0.06829628	7.72470041
46	12.61038048	9.9711947	1.86217862	2.26603093	2.45026768	0.02391559	2.2421748	1.0364791	2.47507	0	0	0	0.011	10.3342026	7.705104	1.84351507	350.267864	29.1889873	0.0931263	0.06834271	7.729807
47	12.5763856	9.9720628	1.86160552	2.26172816	2.44555091	0.02386955	2.23785861	1.03346574	2.46787	0	0	0	0.011	10.3041498	7.71033464	1.84476645	350.505626	29.2088022	0.0931263	0.0683891	7.73507184
48	12.54200841	9.97293045	1.86103254	2.25736938	2.44083786	0.02382355	2.23354583	1.0308469	2.46069	0	0	0	0.012	10.274162	7.71556107	1.84601692	350.743216	29.2286033	0.0931263	0.06843546	7.74025192
49	12.50770781	9.9737975	1.86045945	2.25301405	2.43612855	0.02377759	2.22923647	1.02827759	2.45438	0	0	0	0.012	10.2442472	7.7207837	1.84726648	350.980632	29.248386	0.0931263	0.06848178	7.74542822
50	12.4734867	9.97466468	1.85988627	2.24866219	2.43142299	0.02373166	2.22493054	1.0258125	2.44633	0	0	0	0.012	10.2144054	7.72600249	1.84851513	351.218774	29.2681562	0.0931263	0.06852807	7.75060072
51	12.43935889	9.97553126	1.85931299	2.24431867	2.42636577	0.02368577	2.22062636	1.													

16	10.49630687	0.0276047	1.82417342	1.9861316	2.14755514	0.02096099	1.96517061	8.51017527	2.03614	0	0	0	0.009	8.50150587	8.04147307	1.92399428	365.558914	30.4632428	0.0931263	0.07132623	8.06327315
17	10.46667648	0.0284438	1.82359407	1.9820253	2.1431121	0.02091763	1.96110409	8.48465396	2.03003	0	0	0	0.009	8.47601056	8.04642123	1.92518717	365.783853	30.4819877	0.0931263	0.07137012	8.06817741
18	10.47151546	0.0292823	1.82301607	1.97791766	2.13867763	0.02028741	1.95704336	8.45919378	2.03084	0	0	0	0.009	8.45058034	8.05136465	1.92636093	366.008577	30.5007147	0.0931263	0.07141397	8.07307698
19	10.40762369	0.0301203	1.82421728	1.97881702	2.13423968	0.02083109	1.95298599	8.43380667	2.03786	0	0	0	0.009	8.42521508	8.05630332	1.92742555	366.233085	30.5194237	0.0931263	0.07145777	8.07797185
20	10.37820107	0.0309578	1.82185841	1.96972061	2.12981033	0.0207878	1.94983281	8.40840846	2.01180	0	0	0	0.009	8.39991467	8.06123724	1.92872303	366.457377	30.5381147	0.0931263	0.07150153	8.0828262
21	10.34884747	0.0317948	1.82127947	1.96562843	2.12538557	0.02074461	1.94488382	8.38321904	2.00576	0	0	0	0.009	8.37467898	8.06616638	1.92990238	366.681451	30.5567876	0.0931263	0.07154525	8.0877474
22	10.3195628	0.0326312	1.82070045	1.96154051	2.1209654	0.02070147	1.94083905	8.35802229	1.99973	0	0	0	0.009	8.34950788	8.07109073	1.93108057	366.905309	30.5754424	0.0931263	0.07158893	8.0926281
23	10.29034694	0.0334671	1.82012136	1.95745686	2.11654984	0.02065837	1.93679849	8.33280908	1.99372	0	0	0	0.008	8.32440329	8.07601029	1.93225762	367.128948	30.594079	0.0931263	0.07163927	8.09750403
24	10.261119878	0.0343025	1.81954422	1.95337747	2.1121389	0.02061532	1.93276215	8.30782331	1.98772	0	0	0	0.008	8.29935905	8.08092504	1.93343352	367.352369	30.6126974	0.0931263	0.07167616	8.10237518
25	10.23121211	0.0351373	1.81896296	1.94970237	2.10773259	0.02057231	1.92873005	8.28281884	1.98174	0	0	0	0.008	8.27430165	8.08684847	1.93460825	367.575757	30.6312975	0.0931263	0.07171971	8.10774156
26	10.20311111	0.0359716	1.81838364	1.94523156	2.10333093	0.02052935	1.92470221	8.25789576	1.97577	0	0	0	0.008	8.24964718	8.09074006	1.93578185	367.798552	30.6498793	0.0931263	0.07176322	8.11210315
27	10.17416939	0.0368054	1.81780425	1.94116505	2.0989339	0.02048643	1.92067861	8.23300434	1.96982	0	0	0	0.008	8.22461731	8.09564031	1.93695428	368.021313	30.6684427	0.0931263	0.07180668	8.11695993
28	10.14529592	0.0376385	1.81722479	1.93710285	2.09454155	0.02044356	1.91665929	8.20813907	1.96388	0	0	0	0.008	8.19983131	8.1005357	1.93812554	368.243853	30.6869878	0.0931263	0.07185051	8.12181189
29	10.1164906	0.0384712	1.81664526	1.93304497	2.09015387	0.02040073	1.91246444	8.18344653	1.95796	0	0	0	0.008	8.17510908	8.10542621	1.93929564	368.466172	30.7055143	0.0931263	0.07189348	8.12665903
30	10.08775331	0.0393033	1.81606565	1.92891942	2.08577087	0.02035795	1.90863247	8.15876189	1.95206	0	0	0	0.008	8.15504508	8.11031184	1.94064869	368.688269	30.7240224	0.0931263	0.07193862	8.13150133
31	10.05908995	0.0401348	1.81548597	1.92494222	2.08139257	0.02031522	1.9046227	8.13414173	1.94617	0	0	0	0.008	8.12585541	8.11150258	1.94163233	368.910143	30.7425119	0.0931263	0.07198001	8.13638977
32	10.03048241	0.0409658	1.81490622	1.92089737	2.07701897	0.02027253	1.90062483	8.10958504	1.94029	0	0	0	0.008	8.10132373	8.12068641	1.94279892	369.131794	30.7609829	0.0931263	0.07202335	8.14117135
33	10.00194856	0.0417962	1.81432639	1.91865867	2.07265008	0.02022989	1.89662698	8.08059169	1.93443	0	0	0	0.008	8.07685534	8.12493931	1.94396433	369.353222	30.7794352	0.0931263	0.07206656	8.14599906
34	9.973482317	0.042626	1.8137465	1.91282075	2.06828592	0.02018729	1.89263345	8.06066157	1.92879	0	0	0	0.008	8.0624501	8.12890529	1.94512855	369.574425	30.7978688	0.0931263	0.07210972	8.15082187
35	9.945083553	0.0434553	1.81316653	1.908789	2.06392649	0.02014475	1.88864426	8.03624557	1.92276	0	0	0	0.008	8.0281079	8.13466632	1.9462916	369.795404	30.8162837	0.0931263	0.07215283	8.15563979
36	9.916752161	0.044284	1.81258649	1.90476165	2.05957182	0.02010224	1.88465941	8.01190951	1.91694	0	0	0	0.008	8.00382862	8.1395224	1.94745346	370.016157	30.8346798	0.0931263	0.07219591	8.16045279
37	9.888488031	0.0451122	1.81200638	1.90073869	2.05522189	0.02005978	1.88067891	7.98774934	1.91114	0	0	0	0.008	7.97961214	8.14437351	1.94861413	370.236685	30.8530571	0.0931263	0.07223894	8.16526088
38	9.860291053	0.0459398	1.81142621	1.89672014	2.05086763	0.02001737	1.87670277	7.96357091	1.90536	0	0	0	0.008	7.95545835	8.14921964	1.94977361	370.456986	30.8714155	0.0931263	0.07228192	8.17006402
39	9.83216116	0.0467668	1.81084596	1.89270601	2.04653635	0.01997501	1.872731	7.9394551	1.89959	0	0	0	0.008	7.93136711	8.15406078	1.9509319	370.67706	30.889755	0.0931263	0.07232486	8.17486222
40	9.804098111	0.0475932	1.81026564	1.88869631	2.04220076	0.01993269	1.86876362	7.9154018	1.89388	0	0	0	0.008	7.90733831	8.15886961	1.95208899	370.896907	30.9080756	0.0931263	0.07236775	8.17965546
41	9.776101925	0.0484191	1.80968625	1.88469104	2.03786996	0.01989042	1.86480062	7.89141088	1.88869	0	0	0	0.008	7.88337813	8.16378204	1.95324487	371.116526	30.9263772	0.0931263	0.07241061	8.18444733
42	9.74817245	0.0492443	1.80914987	1.88069497	2.03344397	0.0198482	1.86038422	7.86474623	1.88217	0	0	0	0.008	7.87948274	8.16865932	1.95419955	371.33591	30.9464537	0.0931263	0.07245341	8.18927210
43	9.72030575	0.050069	1.80852427	1.87800248	2.02922279	0.01980602	1.85687882	7.84631573	1.88066	0	0	0	0.008	7.85362536	8.17337519	1.95553048	371.555078	30.9629672	0.0931263	0.07249617	8.19400532
44	9.692531188	0.0508931	1.80794368	1.87270194	2.02490644	0.01976389	1.85293805	7.81981125	1.87096	0	0	0	0.008	7.81184513	8.1781912	1.95670532	371.77401	30.9811675	0.0931263	0.07253889	8.19877661
45	9.664783181	0.0517167	1.80736302	1.86871451	2.02059493	0.01972181	1.8489927	7.79606867	1.86528	0	0	0	0.008	7.78812675	8.18300215	1.95785638	371.992712	30.9993927	0.0931263	0.07258156	8.20354689
46	9.637119443	0.0525396	1.80678229	1.86473156	2.01628826	0.01967978	1.84505178	7.77238788	1.85961	0	0	0	0.008	7.76447008	8.18788083	1.95900623	372.211183	30.10175986	0.0931263	0.07262419	8.20831014
47	9.609521863	0.0531369	1.8062051	1.8602015	2.01198645	0.01963779	1.84115311	7.74876877	1.85396	0	0	0	0.008	7.74087502	8.19260882	1.96015486	372.429424	30.1057653	0.0931263	0.07266677	8.21306835
48	9.581990312	0.0541734	1.80562061	1.85471795	2.00784951	0.01959585	1.83712314	7.723111	1.84813	0	0	0	0.008	7.73471045	8.19740445	1.96135029	372.647632	30.1093927	0.0931263	0.07270922	8.21821551
49	1	9.554524739	0.0550048	1.80503971	1.85280968	2.00339744	1.83525373	7.70171055	1.84270	0	0	0	0.008	7.69386925	8.2019512	1.96244847	372.865209	30.1072007	0.0931263	0.0727518	8.22256962
50	1	9.527124974	0.0558253	1.80445871	1.84884475	1.99911025	1.82933264	7.67828022	1.83710	0	0	0	0.008	7.67045829	8.20698059	1.96359344	373.082753	30.1090294	0.0931263	0.07279425	8.22731365
51	9.499790927	0.0566453	1.80387765	1.84484834	1.99482796	0.01947032	1.82541402	7.65490659	1.83150	0	0	0	0.008	7.64710846	8.21176094	1.96473718	373.300064	30.1083386	0.0931263	0.0728375	8.23205056
52	9.475224488	0.0574646	1.80329652	1.84092847	1.99055057	0.01942857	1.8214999	7.63159402	1.82893	0	0	0	0.008	7.62381965	8.21653615	1.96587869	373.517411	30.11264248	0.0931263	0.0728789	8.23678345
53	9.450319646	0.0582813	1.80271533	1.83947774	1.98627809	0.01938687	1.81759807	7.6084241	1.82036	0	0	0	0.008	7.60291677	8.22132617	1.96702987	373.731984	30.11444897	0.0931263	0.07292131	8.24151112
54	9.418181993	0.0591015	1.80214007	1.83303036	1.98201054	0.01934521	1.81368515	7.58511635	1.81482	0	0	0	0.008	7.57742457	8.22607112	1.96816101	373.950593	30.11625494	0.0931263	0.07296358	8.24623384
55	9.391109717	0.059919	1.80155275	1.82808814	1.97774792	0.01930361	1.80978454	7.56202157	1.80928	0	0	0	0.008	7.55431807	8.23083084	1.96929982	374.166966	30.11805805	0.0931263	0.07300579	8.25095135
56	9.364102608	0.0607359	1.80097136	1.8215105	1.97349024	0.01926205	1.80588845	7.53892511	1.80376	0	0	0	0.008	7.53127211	8.23558539	1.97043739	374.383104	30.1198592	0.0931263	0.07304797	8.25666373
57	9.337160558	0.0615522	1.80038991	1.82112743	1.96923751	0.01922054	1.80199689	7.51594313	1.79826	0	0	0	0.008	7.50828657	8.24033474	1.97157371	374.599006	30.12165838	0.0931263	0.07309009	8.26037095
58	9.310238455	0.0623678	1.7998084	1.81728895	1.96458974	0.01917908	1.79810986	7.49249541	1.79277	0	0	0	0.00								

18	7.905446647	0.1069929	1.76715166	1.60485471	1.73528983	0.01693712	1.58791759	6.30059194	1.50747	0	0	0	0.006	6.29417347	8.50213823	2.03421254	386.500382	32.2083652	0.0931263	0.07541224	8.51985229
19	7.882091056	0.1077699	1.76656704	1.60120015	1.73133825	0.01689855	1.5843016	6.2808909	1.502746	0	0	0	0.006	6.2744925	8.50656973	2.03527281	386.701835	32.2251239	0.0931263	0.07545154	8.52424449
20	7.858794104	0.1085461	1.76598277	1.59755059	1.72730207	0.01688004	1.58069056	6.26124351	1.49806	0	0	0	0.006	6.25486513	8.5109995	2.03527281	386.903026	32.2419189	0.0931263	0.07549408	8.5286631
21	7.835555683	0.1093216	1.76539764	1.59390603	1.72345131	0.01682157	1.57708421	6.24516965	1.49317	0	0	0	0.006	6.23529232	8.51541533	2.03738925	387.103957	32.2586631	0.0931263	0.075513	8.5301182
22	7.812375686	0.1100963	1.76481291	1.59026648	1.71951595	0.01678316	1.57348332	6.2221092	1.48870	0	0	0	0.006	6.21577068	8.5198298	2.038454	387.304627	32.2735856	0.0931263	0.07556916	8.53738905
23	7.789254005	0.1108703	1.76422811	1.58663195	1.71558601	0.0167448	1.56988714	6.20262206	1.48403	0	0	0	0.006	6.19630339	8.52423832	2.03950018	387.505035	32.2920862	0.0931263	0.07560826	8.54175637
24	7.766190534	0.1116435	1.76364326	1.58300243	1.7116615	0.0167065	1.56625993	6.1831881	1.47938	0	0	0	0.006	6.17688923	8.52864108	2.04055358	387.70518	32.308765	0.0931263	0.07564731	8.54612007
25	7.743185166	0.112416	1.76305837	1.57937794	1.70774243	0.01666825	1.56270969	6.16380723	1.47475	0	0	0	0.006	6.1575821	8.53330806	2.0416056	387.905064	32.324522	0.0931263	0.07568061	8.55048705
26	7.720377792	0.1131777	1.76247844	1.57575848	1.7038288	0.01663055	1.55912843	6.14373932	1.47032	0	0	0	0.006	6.13821988	8.53740232	2.04256623	388.104684	32.340257	0.0931263	0.07572526	8.55483031
27	7.697748007	0.1139587	1.76188847	1.57214405	1.69992026	0.0165919	1.55552515	6.12520446	1.46551	0	0	0	0.006	6.11896446	8.54181449	2.04370549	388.304041	32.3586702	0.0931263	0.07576746	8.55917083
28	7.674516603	0.114729	1.76130345	1.56853466	1.69601786	0.01655381	1.55198085	6.10598194	1.46091	0	0	0	0.006	6.09976172	8.545619432	2.04475335	388.501317	32.3752614	0.0931263	0.075803	8.56351762
29	7.651742573	0.1154585	1.76071839	1.56493032	1.69212058	0.01651577	1.54841455	6.08681225	1.45632	0	0	0	0.006	6.08061156	8.55056815	2.04579983	388.701967	32.3918306	0.0931263	0.07584818	8.56785265
30	7.629026111	0.1162672	1.76013329	1.56133103	1.68822876	0.01647779	1.54485325	6.06769508	1.45175	0	0	0	0.006	6.06151386	8.55493617	2.04684492	388.900534	32.4083778	0.0931263	0.07588054	8.57218193
31	7.606367109	0.1170352	1.75994815	1.55777368	1.6843424	0.01643985	1.54129695	6.04863031	1.44719	0	0	0	0.006	6.04246851	8.55929837	2.04788861	389.098936	32.424903	0.0931263	0.07591923	8.57650544
32	7.583765461	0.1178024	1.75896297	1.55414763	1.68046152	0.01640197	1.53774565	6.02961783	1.44264	0	0	0	0.006	6.02437541	8.56356476	2.04888802	389.296874	32.4414662	0.0931263	0.07595787	8.58082319
33	7.561221106	0.1185688	1.75837774	1.55056552	1.67658611	0.01636415	1.53419937	6.01065754	1.43810	0	0	0	0.006	6.00453443	8.56800532	2.04970549	389.494647	32.4578873	0.0931263	0.07599464	8.58513516
34	7.538733799	0.1193345	1.75792248	1.54698449	1.67271619	0.01632638	1.53065811	5.99174931	1.43358	0	0	0	0.006	5.98564546	8.57235004	2.05101134	389.692155	32.4743462	0.0931263	0.076035	8.58943134
35	7.516303573	0.1200995	1.75720717	1.54341053	1.66885176	0.01628866	1.52712187	5.97289304	1.42907	0	0	0	0.006	5.9668084	8.57668893	2.05204946	389.889397	32.4907831	0.0931263	0.07607348	8.59374174
36	7.493930274	0.1208636	1.75662182	1.53984165	1.66499282	0.01625099	1.52359066	5.95408862	1.42457	0	0	0	0.006	5.94802314	8.58102196	2.05308617	390.086373	32.5071978	0.0931263	0.07611912	8.59803634
37	7.471031796	0.121627	1.75603644	1.53627786	1.66113938	0.01621338	1.52060448	5.93533594	1.42008	0	0	0	0.006	5.92928925	8.58534914	2.05412149	390.283083	32.5235903	0.0931263	0.0761503	8.60232514
38	7.449035403	0.1223896	1.75545101	1.53271916	1.65729144	0.01617582	1.51654333	5.91663487	1.41561	0	0	0	0.006	5.91060754	8.58987046	2.05515541	390.479527	32.5399606	0.0931263	0.07618863	8.60668014
39	7.427150878	0.1231515	1.75486555	1.52916555	1.65344902	0.01613832	1.51302723	5.89789532	1.41115	0	0	0	0.006	5.89197699	8.59398592	2.05618792	390.675704	32.5563087	0.0931263	0.07622691	8.61088531
40	7.405004225	0.1239125	1.75428004	1.5261705	1.6496211	0.01610087	1.50951618	5.87938718	1.40670	0	0	0	0.006	5.87339779	8.5982955	2.05721902	390.871614	32.5726345	0.0931263	0.07626513	8.61515667
41	7.382913968	0.1246728	1.7536945	1.52207365	1.64578071	0.01606348	1.50601017	5.86084032	1.40226	0	0	0	0.006	5.85486983	8.60259919	2.05824872	391.067257	32.5889381	0.0931263	0.0763033	8.61942219
42	7.36088	0.1254324	1.75310892	1.51853536	1.64195485	0.01602613	1.50250922	5.84234464	1.39783	0	0	0	0.006	5.83639209	8.60689701	2.05927701	391.262632	32.6052193	0.0931263	0.07634142	8.62368188
43	7.338802172	0.1261911	1.7525233	1.51500218	1.63813451	0.01598885	1.49901333	5.82390004	1.39342	0	0	0	0.006	5.819768718	8.61118893	2.06030389	391.457739	32.6214783	0.0931263	0.07637949	8.62793574
44	7.316808511	0.1269416	1.75193764	1.51247612	1.63515951	0.01595161	1.49525221	5.80520465	1.38902	0	0	0	0.006	5.79921261	8.61516149	2.06133912	391.655257	32.6377149	0.0931263	0.07641751	8.63281874
45	7.295114777	0.1277063	1.75135195	1.50759115	1.63051044	0.01591443	1.490203675	5.78713639	1.38463	0	0	0	0.006	5.78126816	8.61975507	2.06235324	391.847149	32.6535021	0.0931263	0.07645547	8.63642589
46	7.273304099	0.1284626	1.75076622	1.50443338	1.62670672	0.01587731	1.48556607	5.76887153	1.38025	0	0	0	0.006	5.76299473	8.62402927	2.06337606	392.041451	32.6701209	0.0931263	0.07649338	8.64066219
47	7.251550801	0.1292183	1.75018045	1.5009207	1.62290855	0.01584023	1.48508047	5.7506301	1.37589	0	0	0	0.006	5.74477188	8.62829756	2.06439728	392.235484	32.6862093	0.0931263	0.07653124	8.64489262
48	7.229852347	0.1299731	1.74959465	1.49743136	1.61911593	0.01580322	1.48160994	5.73243919	1.37154	0	0	0	0.006	5.7265995	8.63255992	2.06541709	392.429248	32.7024373	0.0931263	0.07656905	8.64911718
49	7.208209442	0.1307271	1.74900881	1.49397076	1.61532887	0.01576625	1.4781445	5.71429868	1.36720	0	0	0	0.006	5.70847748	8.63681636	2.06643548	392.627242	32.7185618	0.0931263	0.0766068	8.65333586
50	7.18621198	0.1314913	1.74842139	1.4904123	1.61247328	0.01572934	1.47469415	5.69623046	1.36287	0	0	0	0.006	5.69461064	8.64064964	2.06746639	392.814658	32.7346539	0.0931263	0.0766445	8.65754066
51	7.165089856	0.1323228	1.74783702	1.48602319	1.60777145	0.01569249	1.4712289	5.67816846	1.35855	0	0	0	0.006	5.67238406	8.64531142	2.068468	393.008921	32.7507434	0.0931263	0.07668215	8.66175557
52	7.143612964	0.1329845	1.74725108	1.48343444	1.60400109	0.01565569	1.46777875	5.66017853	1.35425	0	0	0	0.006	5.65441245	8.64955004	2.06948213	393.201605	32.7668004	0.0931263	0.07671975	8.66595659
53	7.122191198	0.1337353	1.74666509	1.47995264	1.6002363	0.01561894	1.4643337	5.64223856	1.34996	0	0	0	0.006	5.63649076	8.6537827	2.07049483	393.394018	32.7828348	0.0931263	0.07675729	8.67015171
54	7.100824454	0.1344854	1.74607908	1.4764764	1.5964771	0.01558225	1.46093973	5.62343845	1.34568	0	0	0	0.006	5.61861888	8.6580094	2.07150611	393.586161	32.7988467	0.0931263	0.07679478	8.67434092
55	7.079512626	0.1352747	1.74549063	1.47397248	1.59346562	0.01554588	1.45745836	5.6056381	1.34141	0	0	0	0.006	5.60097612	8.66230214	2.07251595	393.778031	32.814836	0.0931263	0.07683227	8.67852343
56	7.058245629	0.1359821	1.74490695	1.46953822	1.58897545	0.01550901	1.45402919	5.58871739	1.33715	0	0	0	0.006	5.58302411	8.66644492	2.07352438	393.969632	32.8308027	0.0931263	0.0768696	8.68270161
57	7.037053298	0.1367308	1.74432083	1.46607709	1.58523302	0.01547251	1.45060459	5.57097621	1.33291	0	0	0	0.006	5.565301	8.67065371	2.07453137	394.160961	32.8467467	0.0931263	0.07690693	8.68687308
58	7.015905588	0.1374777	1.74373468	1.46262114	1.58149618	0.01543603	1.4471851	5.55328445	1.32867	0	0	0	0.006	5.54767277	8.67485653	2.07553693	394.352018	32.8626681	0.0931263	0.07694421	8.69103862
59	6.994812373	0.1382237	1.74314849	1.45917036	1.57776494	0.01539961	1.44377074	5.53564201	1.32445	0	0	0	0.006	5.53000281	8.67905336	2.07654106	394.542802	32.8785668	0.0931263	0.07698144	8.69519823
60	6.973735749	0.138969	1.74256228	1.45572477	1.5740393	0.01536325	1.44036152	5.51804878	1.32024	0	0	0	0.006</								

20	5.879204717	0.1793703	1.70969162	1.27113766	1.37444982	0.01341518	1.27272248	4.60806705	1.10252	0	0	0	0.005	4.60337277	8.90823266	2.13137426	404.961109	33.7467591	0.0931263	0.07901421	8.92234475
21	5.861095259	0.1800672	1.70910405	1.26799213	1.37104863	0.01338198	1.25461018	4.59310313	1.09894	0	0	0	0.005	4.58842409	8.9120751	2.1322936	405.135783	33.7613153	0.0931263	0.07904829	8.92615311
22	5.843034241	0.1807638	1.70851647	1.26485192	1.36765512	0.01334884	1.25150308	4.57818232	1.09537	0	0	0	0.005	4.57951849	8.91591134	2.13321145	405.310176	33.775848	0.0931263	0.07908252	8.92995533
23	5.825201545	0.1814584	1.70792087	1.26171703	1.36426532	0.01331576	1.24840127	4.56332054	1.09181	0	0	0	0.005	4.55865586	8.91974138	2.13412782	405.484286	33.7903752	0.0931263	0.07911620	8.93175139
24	5.807057129	0.1821527	1.70734162	1.25858745	1.36087959	0.01328273	1.24530473	4.54846686	1.08826	0	0	0	0.005	4.54383611	8.92356521	2.13504271	405.658114	33.8048429	0.0931263	0.07915021	8.9375413
25	5.789140835	0.182846	1.70675363	1.2554632	1.35750141	0.01324975	1.24221345	4.53367763	1.08472	0	0	0	0.005	4.52905913	8.92738283	2.13595611	405.83166	33.819305	0.0931263	0.07918407	8.94132506
26	5.771272581	0.1835385	1.70615599	1.25234427	1.35412899	0.01321684	1.23912743	4.51892831	1.08119	0	0	0	0.005	4.51432484	8.93119423	2.13686802	406.004924	33.8337437	0.0931263	0.07921787	8.94510266
27	5.753452269	0.1842301	1.70557834	1.24923066	1.35076232	0.01318398	1.23604668	4.50421261	1.07768	0	0	0	0.005	4.49963311	8.93499943	2.13777845	406.177905	33.8481587	0.0931263	0.07925163	8.94848741
28	5.735679799	0.1849308	1.70490967	1.24631238	1.34740141	0.01315117	1.23297112	4.49055762	1.07417	0	0	0	0.005	4.48498387	8.93879841	2.13868739	406.356064	33.8625503	0.0931263	0.07928532	8.95263938
29	5.717955071	0.1856106	1.70440299	1.24301942	1.34404625	0.01311843	1.22990009	4.47403565	1.07067	0	0	0	0.005	4.47027177	8.94279841	2.13954088	406.532301	33.8760183	0.0931263	0.07931986	8.95639852
30	5.700277986	0.1862995	1.7038153	1.23992178	1.34060685	0.01308574	1.22683604	4.46035621	1.06718	0	0	0	0.005	4.45581214	8.94637772	2.14050081	406.691513	33.8912628	0.0931263	0.07935255	8.96051539
31	5.682648444	0.1869875	1.70322759	1.23682947	1.33735521	0.0130531	1.22377637	4.44581898	1.06370	0	0	0	0.005	4.44128998	8.95015805	2.14140528	406.867004	33.9058536	0.0931263	0.07938608	8.96389827
32	5.665066348	0.1876746	1.70263988	1.23374248	1.33401533	0.01302052	1.22072196	4.43132386	1.06023	0	0	0	0.005	4.42680963	8.95393216	2.14230827	407.038572	33.919881	0.0931263	0.07941956	8.96763891
33	5.64531596	0.1883609	1.70205215	1.23066082	1.33068321	0.012988	1.21767282	4.41687077	1.05678	0	0	0	0.004	4.41237127	8.95770004	2.14320977	407.209857	33.9345147	0.0931263	0.07945298	8.97137337
34	5.630040991	0.1890462	1.70164441	1.22758409	1.32755685	0.01295553	1.21452896	4.4024596	1.05333	0	0	0	0.004	4.39797478	8.96146117	2.14417978	407.380859	33.9484049	0.0931263	0.07948634	8.97510166
35	5.612603734	0.1897036	1.70087666	1.22451348	1.32403624	0.01292312	1.21159636	4.38809205	1.04989	0	0	0	0.004	4.38362006	8.96521714	2.14510868	407.551578	33.9626215	0.0931263	0.07951965	8.97882779
36	5.595210425	0.1904142	1.70028889	1.22144781	1.3207214	0.01289077	1.20855704	4.37376262	1.04646	0	0	0	0.004	4.36930703	8.96896635	2.14590534	407.722014	33.9763845	0.0931263	0.07955291	8.98253974
37	5.577864065	0.1910968	1.69970112	1.21838746	1.31741232	0.01285847	1.20552899	4.35947661	1.04304	0	0	0	0.004	4.35503557	8.97270932	2.14680088	407.892166	33.9901139	0.0931263	0.07958611	8.98624952
38	5.560564557	0.1917785	1.69911334	1.21533243	1.3141409	0.01282623	1.20250621	4.34523212	1.03964	0	0	0	0.004	4.3408056	8.97644607	2.14764993	408.062036	34.0051697	0.0931263	0.07961925	8.98995313
39	5.545311802	0.1924593	1.69852554	1.21228274	1.31081144	0.01279404	1.1994887	4.33102906	1.03624	0	0	0	0.004	4.326617	8.98017659	2.14858749	408.231623	34.0109319	0.0931263	0.07965234	8.99365656
40	5.526105701	0.1931393	1.69793774	1.20923837	1.30751964	0.01276191	1.19647646	4.31686733	1.03285	0	0	0	0.004	4.3124697	8.98390088	2.14947856	408.400926	34.0234105	0.0931263	0.07968537	8.99734181
41	5.508464156	0.1938183	1.69734993	1.20619934	1.30423364	0.01272984	1.1934695	4.30274862	1.02947	0	0	0	0.004	4.29836357	8.98761893	2.15036813	408.569945	34.0407454	0.0931263	0.07971835	9.00102688
42	5.491833069	0.1944464	1.69676211	1.20316513	1.30095333	0.01269782	1.1904678	4.28866744	1.02610	0	0	0	0.004	4.28429854	8.99133075	2.15125622	408.738682	34.0615568	0.0931263	0.07975127	9.00470578
43	5.474766341	0.1951376	1.69617428	1.20013725	1.29767882	0.01266586	1.18747139	4.27426909	1.02274	0	0	0	0.004	4.27027449	8.99503634	2.15214281	408.907134	34.07755945	0.0931263	0.07978414	9.0087835
44	5.457745875	0.1958499	1.69558444	1.1971142	1.29441007	0.01263396	1.18448024	4.26063168	1.01939	0	0	0	0.004	4.25629133	8.99873568	2.15302792	409.075304	34.0896087	0.0931263	0.07981695	9.01204503
45	5.440771572	0.1965253	1.69498959	1.19490468	1.2914708	0.01260211	1.18149437	4.24667509	1.01605	0	0	0	0.004	4.24234897	9.00042879	2.15391512	409.24319	34.1035991	0.0931263	0.07984871	9.01570538
46	5.423843236	0.1971995	1.69441526	1.19198649	1.28749502	0.01257032	1.17831737	4.23247475	1.01273	0	0	0	0.004	4.23847473	9.00212595	2.15479396	409.410793	34.1175566	0.0931263	0.07988244	9.01959505
47	5.406761007	0.1978733	1.69384287	1.18870702	1.2845384	0.01253885	1.17553844	4.21888404	1.00941	0	0	0	0.004	4.2314857	9.0039763	2.15570427	409.578111	34.1315092	0.0931263	0.07991506	9.02300754
48	5.390124668	0.198546	1.693235	1.18507529	1.28139269	0.0125069	1.17256838	4.20504938	1.00610	0	0	0	0.004	4.20076566	9.01347069	2.1565534	409.745146	34.1454288	0.0931263	0.07994765	9.02664934
49	5.373334043	0.1992177	1.69264713	1.18207888	1.27815257	0.01247528	1.1696036	4.19125516	1.00280	0	0	0	0.004	4.18698549	9.01713885	2.15743104	409.911897	34.1593247	0.0931263	0.07998019	9.03028496
50	5.356580993	0.1998886	1.69205924	1.1790878	1.27491858	0.01244371	1.16664409	4.17759210	0.99950	0	0	0	0.004	4.17324563	9.02080076	2.15830718	410.078365	34.173197	0.0931263	0.08001267	9.03391439
51	5.33989872	0.2005585	1.69147435	1.17610206	1.2719016	0.0124112	1.16368985	4.16378766	0.99622	0	0	0	0.004	4.15954598	9.02445643	2.15918183	410.244548	34.1870457	0.0931263	0.08004509	9.03751764
52	5.323232829	0.2012575	1.69088435	1.17328467	1.26904675	0.01238075	1.16074064	4.1501149	0.99295	0	0	0	0.004	4.14582604	9.02812036	2.16005499	410.41044	34.2007937	0.0931263	0.08007746	9.04115447
53	5.306627321	0.2018956	1.69029555	1.17014654	1.2652506	0.01234935	1.15779719	4.13648078	0.98969	0	0	0	0.004	4.13226691	9.03174904	2.16092666	410.576065	34.2146721	0.0931263	0.08010978	9.04476557
54	5.2900641	0.2025628	1.68970764	1.16717677	1.26203947	0.01231801	1.15485877	4.12288733	0.98644	0	0	0	0.004	4.1186873	9.03538599	2.16179683	410.741397	34.2284408	0.0931263	0.08014203	9.04837025
55	5.273546069	0.203229	1.68911973	1.16421233	1.2588341	0.01228673	1.15192561	4.10933374	0.98319	0	0	0	0.004	4.10514752	9.03901668	2.1626655	410.906446	34.2422038	0.0931263	0.08017424	9.05196875
56	5.257073131	0.2038944	1.68853181	1.16125322	1.25563448	0.01225549	1.14899773	4.09581991	0.97996	0	0	0	0.004	4.09164746	9.04264114	2.16353269	411.071211	34.2559342	0.0931263	0.08020639	9.05561605
57	5.240645189	0.2045943	1.68794286	1.15824062	1.25244062	0.01222432	1.14607518	4.08256704	0.97674	0	0	0	0.004	4.07812619	9.04526295	2.16439887	411.235692	34.269641	0.0931263	0.08023814	9.05914717
58	5.224261462	0.2052223	1.6873596	1.15535097	1.24925252	0.0121932	1.14315777	4.06801118	0.97352	0	0	0	0.004	4.06476614	9.04897132	2.16526257	411.399889	34.2833241	0.0931263	0.08027052	9.06272771
59	5.207923907	0.2058849	1.68676803	1.15240783	1.24607018	0.01216214	1.14024569	4.0551608	0.97032	0	0	0	0.004	4.05138469	9.05347704	2.16612527	411.563802	34.2969835	0.0931263	0.0803025	9.06630084
60	5.191630374	0.2065465	1.68618009	1.14947002	1.24289359	0.01213114	1.13733888	4.04216036	0.96712	0	0	0	0.004	4.03804257	9.05707051	2.16698648	411.727431	34.3106193	0.0931263	0.08033463	9.06986839
61	5.175381452	0.2072073	1.68559215	1.14653753	1.23972726	0.01210019	1.13443734	4.02884393	0.96394	0	0	0	0.004	4.02473971	9.06066974	2.16784619	411.890776	34.3242314	0.0931263	0.0803663	9.07342975
62	5.159177043	0.2078671	1.6850042	1.14361036	1.2365769	0.0120693	1.13154106	4.01555669	0.96076	0	0	0									

22	4.319855277	1.2433237	1.65208247	0.98814446	1.06845624	0.01042856	0.9777159	3.33171082	0.79714	0	0	0	0.003	3.32831678	9.25517921	2.21438432	420.733021	35.0610851	0.0931263	0.08209156	9.26621396
23	4.306032492	1.2439299	1.65149478	0.98551828	1.0656166	0.01040084	0.97511742	3.32051441	0.79946	0	0	0	0.003	3.31713177	9.25841159	2.2151577	420.879962	35.0733302	0.0931263	0.08212023	9.26941767
24	4.292249152	1.2445351	1.65309711	0.98628728	1.0627826	0.01037318	0.9725241	3.30953191	0.79919	0	0	0	0.003	3.30598064	9.2616378	2.2152926	421.026623	35.0855519	0.0931263	0.08214884	9.2761526
1	4.278504744	1.2451194	1.65031946	0.98028152	1.05995424	0.01034558	0.96993514	3.29822323	0.78913	0	0	0	0.003	3.2945631	9.26485785	2.21670002	421.178004	35.0977503	0.0931263	0.0821774	9.27800074
2	4.264799238	1.2454727	1.64973181	0.97767097	1.05713151	0.01031802	0.96735294	3.28712827	0.78647	0	0	0	0.003	3.28377964	9.26807172	2.21746807	421.319104	35.1099253	0.0931263	0.08220591	9.27899211
3	4.251132585	1.2463451	1.64914418	0.97506562	1.05431442	0.01029053	0.96477509	3.27606697	0.78383	0	0	0	0.003	3.27272961	9.27127943	2.21823644	421.464924	35.122077	0.0931263	0.08223436	9.2821771
4	4.237504697	1.2469465	1.64855656	0.97246548	1.05150295	0.01026309	0.96222039	3.26503922	0.78119	0	0	0	0.003	3.26717100	9.27448098	2.21900244	421.610464	35.1342053	0.0931263	0.08226276	9.28534453
5	4.223915484	1.2475469	1.64796895	0.96987074	1.04869711	0.0102037	0.95963484	3.25404494	0.77856	0	0	0	0.003	3.25073002	9.2767638	2.21976607	421.750724	35.1463103	0.0931263	0.0822911	9.28851158
6	4.21036467	1.2481644	1.64731816	0.96723808	1.04589689	0.01020387	0.95707243	3.24308405	0.77584	0	0	0	0.003	3.23978029	9.28065661	2.22053002	421.900704	35.158392	0.0931263	0.08231939	9.29167253
7	4.196527127	1.248475	1.64673979	0.96469626	1.04310229	0.01018109	0.95455117	3.23125447	0.77312	0	0	0	0.003	3.23456316	9.2845487	2.2217916	422.045405	35.1704504	0.0931263	0.08234761	9.29482718
8	4.183379006	1.2493425	1.64620632	0.96211691	1.0403133	0.01015387	0.95196304	3.22126209	0.77072	0	0	0	0.003	3.23179056	9.28722563	2.2220571	422.189826	35.1824855	0.0931263	0.0823758	9.29797613
9	4.169943604	1.2499392	1.64561867	0.95954275	1.03752992	0.01012671	0.94941605	3.21040085	0.76812	0	0	0	0.003	3.20713039	9.29039642	2.22281035	422.333967	35.1944973	0.0931263	0.08240393	9.3011188
10	4.156546434	1.2505348	1.64503114	0.95697378	1.03475216	0.01009959	0.94687419	3.19957265	0.76553	0	0	0	0.003	3.19631322	9.29356107	2.22356752	422.477829	35.2064858	0.0931263	0.08243199	9.30425537
11	4.143187407	1.2511296	1.64444362	0.95404999	1.03197999	0.01007254	0.94433745	3.1887742	0.76294	0	0	0	0.003	3.18552888	9.29671957	2.2243322	422.621412	35.218451	0.0931263	0.08246001	9.30738586
12	4.12986434	1.2517233	1.64385612	0.95185138	1.02921343	0.01004553	0.94180585	3.17801565	0.76037	0	0	0	0.003	3.17477758	9.29897193	2.22527445	422.764715	35.230393	0.0931263	0.08248797	9.31051026
13	4.116583428	1.2523161	1.64320863	0.94929795	1.02654247	0.01001859	0.93927936	3.16728548	0.75780	0	0	0	0.003	3.16405894	9.30301816	2.22638022	422.907741	35.2423118	0.0931263	0.08251588	9.3132659
14	4.1033383	1.2529709	1.64268116	0.94674969	1.0236971	0.00999169	0.936758	3.15658861	0.75524	0	0	0	0.003	3.15337297	9.30615826	2.22658151	423.050488	35.2542073	0.0931263	0.08254373	9.31674083
15	4.090130962	1.2534988	1.64209371	0.9442066	1.02094732	0.00996485	0.93424175	3.14592436	0.75269	0	0	0	0.003	3.14271958	9.30929223	2.22733134	423.192955	35.2660976	0.0931263	0.08257153	9.319847
16	4.076961328	1.2540888	1.64150627	0.94166868	1.01820313	0.00993807	0.93173061	3.13529295	0.75015	0	0	0	0.003	3.1320987	9.31242007	2.22807971	423.335144	35.2779287	0.0931263	0.08259927	9.3229471
17	4.063829308	1.2546777	1.64091885	0.93913592	1.01546452	0.00991134	0.92922458	3.12469339	0.74761	0	0	0	0.003	3.12151023	9.31554179	2.22883661	423.477055	35.2897546	0.0931263	0.08262696	9.32604113
18	4.050734816	1.2552657	1.64033144	0.93660832	1.01273149	0.00988466	0.92672366	3.11412649	0.74508	0	0	0	0.003	3.1109541	9.3186579	2.22957204	423.618688	35.3015733	0.0931263	0.08265459	9.32921291
19	4.037677764	1.2558528	1.63974045	0.93405888	1.01004004	0.00985804	0.92422784	3.10359188	0.74256	0	0	0	0.003	3.10043022	9.32176588	2.23031601	423.760043	35.3133369	0.0931263	0.08268217	9.332211
20	4.024658065	1.2564388	1.63915668	0.9315668	1.00728216	0.00983148	0.92173712	3.09308947	0.74005	0	0	0	0.003	3.08993851	9.32487025	2.23105852	423.90112	35.3250933	0.0931263	0.0827097	9.33528685
21	4.011675631	1.257024	1.63856933	0.92905646	1.00456585	0.00980496	0.9192515	3.08261197	0.73754	0	0	0	0.003	3.07947888	9.32796751	2.23179957	424.041919	35.3368266	0.0931263	0.08273717	9.33835664
22	3.998730375	1.2576081	1.63798199	0.92654947	1.0018551	0.00977851	0.91677096	3.07218091	0.73505	0	0	0	0.003	3.06905125	9.33105867	2.23253916	424.18244	35.3485367	0.0931263	0.08276459	9.34142038
23	3.985822212	1.2581913	1.63739468	0.92404762	0.99914991	0.0097521	0.91429525	3.06177459	0.73256	0	0	0	0.003	3.05865553	9.33414372	2.23327729	424.322684	35.3602237	0.0931263	0.08279195	9.34447807
24	3.972951053	1.2587719	1.63680738	0.92150078	0.9973751	0.00972516	0.91182516	3.05140014	0.73007	0	0	0	0.003	3.04823616	9.33722748	2.2340167	424.463651	35.3718876	0.0931263	0.08281936	9.34752371
25	3.960116811	1.2593459	1.6362209	0.91950594	0.9937562	0.00969646	0.90935888	3.04015476	0.72760	0	0	0	0.003	3.03795952	9.34029553	2.23474916	424.602341	35.3835284	0.0931263	0.08284652	9.35057532
26	3.947319402	1.2599352	1.63563284	0.91657289	0.99107678	0.00967322	0.90689868	3.03074651	0.72513	0	0	0	0.003	3.02765906	9.3433262	2.23548291	424.741753	35.3951461	0.0931263	0.08287372	9.35361488
27	3.934558737	1.2605146	1.6350456	0.91409158	0.98838469	0.00964703	0.90444455	3.02046716	0.72267	0	0	0	0.003	3.01739018	9.34642298	2.23621521	424.880889	35.4067408	0.0931263	0.08290087	9.35664841
28	3.921834731	1.261093	1.63445837	0.91161539	0.9857075	0.00962029	0.9019945	3.01021934	0.72022	0	0	0	0.003	3.0071528	9.34947757	2.23694065	425.019749	35.4183124	0.0931263	0.08292796	9.35967591
29	3.909147298	1.2616704	1.63387117	0.90914432	0.98303534	0.00959482	0.89954951	3.00000297	0.71778	0	0	0	0.003	2.99694684	9.35252508	2.23767543	425.158332	35.429681	0.0931263	0.0829559	9.36269738
30	3.89649635	1.2622407	1.63328999	0.90674879	0.98056879	0.00956979	0.89710922	2.9898779	0.71531	0	0	0	0.003	2.98673232	9.35562505	2.23840167	425.299633	35.4413845	0.0931263	0.08298199	9.36571183
31	3.883881804	1.2628224	1.63269683	0.90421753	0.97770813	0.00954282	0.89467471	2.97966427	0.71291	0	0	0	0.003	2.97662886	9.35860488	2.23912983	425.434669	35.4528891	0.0931263	0.08300892	9.36872226
32	3.871303571	1.263397	1.63210969	0.9017618	0.97505281	0.0095169	0.8922449	2.96954177	0.71049	0	0	0	0.003	2.96651667	9.36163516	2.23985486	425.572423	35.4643686	0.0931263	0.0830358	9.37172567
33	3.858761568	1.2639706	1.63152257	0.89931118	0.97240301	0.00949104	0.88982014	2.95945039	0.70807	0	0	0	0.003	2.96435357	9.36465939	2.24057843	425.709902	35.4758252	0.0931263	0.08306262	9.37472307
34	3.846255708	1.2645432	1.63093547	0.89686566	0.96975873	0.00946523	0.88740043	2.94939057	0.70567	0	0	0	0.003	2.96438548	9.3677755	2.24130595	425.847105	35.4872587	0.0931263	0.08308939	9.37714446
35	3.833375906	1.265119	1.63034839	0.89436423	0.96711996	0.00943848	0.88598576	2.9406067	0.70327	0	0	0	0.003	2.96438548	9.3677755	2.24130595	425.847105	35.4872587	0.0931263	0.08311511	9.38099894
36	3.821252076	1.2656586	1.62976133	0.89180991	0.96448669	0.00941377	0.88257613	2.93296127	0.70088	0	0	0	0.003	2.962678	9.37169469	2.24274045	426.120685	35.500571	0.0931263	0.08314277	9.38367922
37	3.808954133	1.2662554	1.62917429	0.88955966	0.96185894	0.00938813	0.88017154	2.91939447	0.69849	0	0	0	0.003	2.91642046	9.37669569	2.24345822	426.257062	35.5124219	0.0931263	0.08316938	9.38665261
38	3.796591993	1.2668241	1.62858728	0.88713451	0.95923662	0.00936253	0.87777198	2.90945748	0.69611	0	0	0	0.003	2.90649359	9.37968964	2.24417455	426.393165	35.5237637	0.0931263	0.08319594	9.389861
39	3.78426557	1.267392	1.62800029	0.88471444	0.95661991	0.00933699	0.87537745	2.89955113	0.69374	0	0	0	0.003	2.89659733	9.38267754	2.24488943	426.528993	35.5404827	0.0931263	0.08322244	9.39258124
40	3.771974779	1.2679588	1.62741332	0.88229944	0.95400864	0.009315	0.87287994	2.88967534	0.69138	0	0	0	0.003	2.8867316	9.3865594						

24	3.137999417	0.12981713	1.594586	0.75502713	0.81639223	0.00796831	0.74705882	0.38297228	0.57015	0	0	0	0.002	2.38054473	0.5431442	2.28328252	433.823678	36.1519732	0.0931263	0.08464575	9.55162476
25	3.137260348	0.2998636	1.59400069	0.75289405	0.81400878	0.0079458	0.74494825	0.3747095	0.56817	0	0	0	0.002	2.32729036	0.54578952	2.28391543	433.943933	36.1619944	0.0931263	0.08466921	9.55424676
1	3.117238608	0.2991949	1.59341542	0.75076577	0.81178452	0.00792334	0.74284243	0.36647284	0.56820	0	0	0	0.002	2.36460209	0.54614604	2.28454608	434.063925	36.1719938	0.0931263	0.08469267	9.55244032
3	3.11000452	0.2997052	1.59320318	0.74864229	0.80948845	0.00790931	0.74074136	0.35826223	0.56424	0	0	0	0.002	2.35858985	0.545106292	2.28517714	434.183857	36.1819714	0.0931263	0.08471598	9.55947324
4	3.096601207	0.3002146	1.59224498	0.74652359	0.80719755	0.00787857	0.73865402	0.35007762	0.56228	0	0	0	0.002	2.34768357	0.5453601	2.28580593	434.303127	36.1919273	0.0931263	0.08473929	9.56207801
5	3.086328591	0.300723	1.59165982	0.74440968	0.80491183	0.00785626	0.73655342	0.34191891	0.560373	0	0	0	0.002	2.33953318	0.55631335	2.28643335	434.422337	36.2018614	0.0931263	0.08476255	9.5646771
6	3.076086597	0.3012305	1.59107469	0.74230055	0.80263128	0.007834	0.73446655	0.33378605	0.55834	0	0	0	0.002	2.3314086	0.55892997	2.28705954	434.541287	36.2117739	0.0931263	0.08478576	9.56727051
7	3.065875146	0.3017371	1.5904896	0.74019619	0.80035589	0.00781179	0.7323844	0.32567896	0.55644	0	0	0	0.002	2.32330977	0.56154086	2.28768408	434.659976	36.2216647	0.0931263	0.08480892	9.56985825
8	3.055946144	0.3022426	1.58989455	0.7380966	0.79886065	0.00778861	0.73030696	0.31759757	0.55451	0	0	0	0.002	2.31523661	0.56474604	2.28838044	434.778405	36.2315338	0.0931263	0.08483203	9.57244032
9	3.045143572	0.3027471	1.58931953	0.73600177	0.79682057	0.0077753	0.72823424	0.3095411	0.55258	0	0	0	0.002	2.30718905	0.56749126	2.28902314	434.896577	36.2413812	0.0931263	0.08485597	9.57501473
10	3.035423294	0.303251	1.58873455	0.7339117	0.79536062	0.00774547	0.72616623	0.3015116	0.55061	0	0	0	0.002	2.29916070	0.56933927	2.28954902	435.014485	36.2512071	0.0931263	0.08487809	9.57758748
11	3.02533256	0.3037537	1.58814961	0.73182637	0.79330582	0.00772346	0.72410291	0.29350688	0.54874	0	0	0	0.002	2.29117047	0.57192734	2.29016914	435.132137	36.2610114	0.0931263	0.08490105	9.58015259
12	3.015273379	0.3042555	1.58756154	0.7297458	0.79095614	0.0077015	0.7220443	0.28552578	0.54683	0	0	0	0.002	2.28319929	0.57450071	2.29078699	435.249529	36.2707941	0.0931263	0.08492395	9.58271206
13	3.005243589	0.3047564	1.58697984	0.72766996	0.78861159	0.00767959	0.71999037	0.27757363	0.54493	0	0	0	0.002	2.27525344	0.57708639	2.29140349	435.366663	36.2805552	0.0931263	0.08494681	9.58526588
14	2.995243809	0.3052553	1.58639501	0.72559886	0.78457216	0.00765774	0.71739412	0.26964495	0.54383	0	0	0	0.002	2.26737328	0.57965739	2.29201862	435.483539	36.2902949	0.0931263	0.08496961	9.58814086
15	2.985273964	0.3057552	1.58581023	0.72353249	0.78233784	0.00763593	0.71589566	0.26151447	0.54114	0	0	0	0.002	2.25943742	0.58222272	2.2926324	435.600155	36.3000213	0.0931263	0.08499237	9.59035665
16	2.975333978	0.3062532	1.58522548	0.72147084	0.78010863	0.00761417	0.71385667	0.25386314	0.53926	0	0	0	0.002	2.25156711	0.58478237	2.29324482	435.716516	36.3097097	0.0931263	0.08501507	9.5928936
17	2.965423776	0.3067503	1.58464076	0.71941391	0.77788452	0.00759246	0.71182144	0.24600987	0.53738	0	0	0	0.002	2.24372184	0.58733637	2.29385589	435.832619	36.3193849	0.0931263	0.08503772	9.59542495
18	2.955543282	0.3072464	1.58405609	0.71736169	0.77566151	0.0075708	0.70979088	0.23818159	0.53550	0	0	0	0.002	2.23590154	0.5898847	2.29446565	435.948464	36.3290387	0.0931263	0.08506033	9.59795088
19	2.945692422	0.3077416	1.58347146	0.71531417	0.77345158	0.00754902	0.70776498	0.23037825	0.53364	0	0	0	0.002	2.22810614	0.59247239	2.29507896	436.064052	36.338671	0.0931263	0.08508288	9.60047081
20	2.935871119	0.3082358	1.58286867	0.71327136	0.77124274	0.00752764	0.70574372	0.22259976	0.53178	0	0	0	0.002	2.22033558	0.59496443	2.29568907	436.179384	36.348282	0.0931263	0.08510538	9.60298535
21	2.9260793	0.3087729	1.58230231	0.71123324	0.76903897	0.00750613	0.70372711	0.21484606	0.52992	0	0	0	0.002	2.21258978	0.59749583	2.29628663	436.29446	36.3578717	0.0931263	0.08512783	9.6054943
22	2.916316889	0.3092214	1.5817178	0.70919581	0.76684027	0.00748467	0.70171514	0.20711708	0.52807	0	0	0	0.002	2.20486867	0.6000216	2.29689094	436.409279	36.36744	0.0931263	0.08515024	9.60799767
23	2.906583812	0.3097128	1.58113333	0.70717106	0.76464663	0.00746326	0.6997078	0.19941275	0.52623	0	0	0	0.002	2.19717219	0.60254175	2.29749391	436.523843	36.3769869	0.0931263	0.08517259	9.61049546
24	2.896879995	0.3102023	1.58054889	0.70514699	0.76245806	0.00744189	0.69770509	0.19173301	0.52439	0	0	0	0.002	2.18950027	0.60505628	2.29809553	436.638152	36.3865126	0.0931263	0.08519489	9.61298768
25	2.887205362	0.3106928	1.5799645	0.70312759	0.76027455	0.00742058	0.69570701	0.18407777	0.52256	0	0	0	0.002	2.18185283	0.60756519	2.29869581	436.752005	36.3960171	0.0931263	0.08521715	9.61547434
26	2.878558839	0.3111813	1.57938061	0.70113932	0.75820965	0.00739932	0.69371132	0.17644899	0.52073	0	0	0	0.002	2.17421312	0.61007994	2.29929474	436.866001	36.4055002	0.0931263	0.08523941	9.61795144
27	2.869743353	0.311669	1.57879058	0.69910278	0.7559226	0.00737811	0.69172467	0.16884057	0.51891	0	0	0	0.002	2.16636116	0.6125662	2.29989235	436.979547	36.4149622	0.0931263	0.08526151	9.6200431
28	2.861583553	0.3121557	1.57821157	0.69709736	0.75375419	0.00735694	0.68974042	0.16125847	0.51710	0	0	0	0.002	2.15905678	0.61505831	2.30048861	437.092836	36.424403	0.0931263	0.08528361	9.6229201
29	2.854879195	0.3126414	1.57762734	0.69509655	0.7515908	0.00733583	0.68776076	0.15370061	0.51529	0	0	0	0.002	2.15150661	0.61754483	2.30108353	437.205871	36.4338226	0.0931263	0.08530567	9.62536547
30	2.849267375	0.3131262	1.57704351	0.69310045	0.74943244	0.00731476	0.6857857	0.14616692	0.51349	0	0	0	0.002	2.1439806	0.62002578	2.30167712	437.318653	36.4432211	0.0931263	0.08532767	9.62782441
31	2.842766295	0.3136101	1.57654901	0.69110896	0.74727908	0.00729374	0.68381522	0.13865734	0.51169	0	0	0	0.002	2.13647867	0.62250114	2.30226937	437.431181	36.4529984	0.0931263	0.08534963	9.63027782
32	2.832029384	0.3140928	1.57604259	0.68914829	0.74517407	0.00727277	0.68184921	0.13117717	0.50992	0	0	0	0.002	2.12904072	0.62497904	2.30286608	437.543454	36.4619927	0.0931263	0.08537157	9.63271782
33	2.821805067	0.314575	1.57529084	0.68713985	0.74298738	0.00725185	0.679888	0.12371021	0.50812	0	0	0	0.002	2.12154677	0.62743518	2.30344989	437.655478	36.4712899	0.0931263	0.08539339	9.63516809
34	2.801434771	0.3150561	1.57470683	0.68516223	0.74084903	0.00723098	0.67793125	0.11627254	0.50634	0	0	0	0.002	2.11411667	0.62989386	2.30403815	437.767248	36.480604	0.0931263	0.0854152	9.63760496
35	2.792047923	0.3155362	1.57412285	0.68318922	0.73871566	0.00721016	0.67597996	0.1088587	0.50456	0	0	0	0.002	2.10671039	0.63234699	2.30462508	437.878765	36.4898971	0.0931263	0.08543696	9.64003833
36	2.78268945	0.3160154	1.57353881	0.68122082	0.73658728	0.00718939	0.67403143	0.10146683	0.50280	0	0	0	0.002	2.09932785	0.63479458	2.30521069	437.990031	36.4991692	0.0931263	0.08545867	9.64246221
37	2.77359279	0.3164926	1.57295106	0.67926186	0.73446386	0.00716866	0.67208989	0.0942026	0.50103	0	0	0	0.002	2.09209889	0.63728663	2.30578758	438.101445	36.5084204	0.0931263	0.08548073	9.64489025
38	2.764057138	0.316971	1.57237118	0.67729781	0.73234542	0.00714798	0.67014982	0.08675953	0.49928	0	0	0	0.002	2.08463373	0.63967135	2.30637793	438.211807	36.5176506	0.0931263	0.08550194	9.64729752
39	2.754783554	0.3174473	1.57178738	0.67534318	0.73023194	0.00712735	0.66821583	0.07944037	0.49750	0	0	0	0.002	2.07732202	0.64210415	2.30695957	438.322318	36.5268599	0.0931263	0.0855235	9.64970695
40	2.745537854	0.3179228	1.57120362	0.67339315	0.72812341	0.00710677	0.66623867	0.07214471	0.49578	0	0	0	0.002	2.0700338	0.64452964	2.30753989	438.432579	36.5360482	0.0931263	0.08554501	9.65211092
41	2.736320167	0.3183973	1.5706199	0.67144768	0.72601983	0.00708624	0.66436144	0.06487248	0.49404	0	0	0	0.002	2.06276898	0.64694961	2.30811889	438.542589	36.5452157	0.0931263	0.08556648	9.65450943
42	2.72713042	0.3188709	1.57003623	0.66950679	0.72392119	0.00706576	0.66244103	0.05762363	0.49230	0	0	0	0.002								

300	2	2.25492981	0.3439223	1.53742679	0.56791749	0.61407518	0.00599362	0.56192387	1.68701232	0.40363	0	0	0	0.002	1.68529374	9.77600485	2.33899651	444.409337	37.0341114	0.0931263	0.08671117	9.78241998
	2	2.247217617	0.3443439	1.53684594	0.56622665	0.61224692	0.00597577	0.56025088	1.68899096	0.40219	0	0	0	0.002	1.67927852	9.77811712	2.33950191	444.505362	37.0421135	0.0931263	0.08672991	9.78451359
	4	2.239529402	0.3447465	1.53626515	0.56454002	0.6104232	0.00597597	0.55882024	1.67980939	0.40076	0	0	0	0.002	1.67328306	9.78022445	2.34000699	444.601156	37.0500064	0.0931263	0.0867486	9.78602515
	2	2.231865101	0.3451842	1.53568441	0.56285757	0.60860401	0.00594022	0.55691073	1.66900753	0.39932	0	0	0	0.002	1.66707073	9.78232663	2.34050905	444.69627	37.05806	0.0931263	0.08676725	9.78868568
	6	2.22422465	0.345603	1.53510373	0.5611793	0.60678903	0.00592251	0.55525568	1.66304535	0.39790	0	0	0	0.002	1.66135110	9.78442373	2.3410108	444.792052	37.0660043	0.0931263	0.08678545	9.79076419
	7	2.216607985	0.346021	1.5345231	0.55950522	0.6049792	0.00590484	0.55360038	1.65710277	0.39648	0	0	0	0.002	1.65541466	9.78651577	2.34151134	444.887154	37.0739295	0.0931263	0.0868044	9.79283766
	2	2.209015041	0.346438	1.53394253	0.5578353	0.60317356	0.00588721	0.55148909	1.65117974	0.39506	0	0	0	0.002	1.64949767	9.78860274	2.34201067	444.982027	37.0818356	0.0931263	0.08682291	9.79490613
	9	2.201445755	0.3468542	1.53336201	0.55616935	0.60137242	0.00586963	0.55029992	1.64527672	0.39365	0	0	0	0.002	1.64360015	9.79068467	2.34250879	445.076669	37.0897224	0.0931263	0.08684138	9.79696959
	10	2.193900063	0.3472695	1.53278155	0.55450756	0.59957578	0.00585121	0.54855866	1.63939211	0.39224	0	0	0	0.002	1.63772204	9.79276155	2.34350057	445.171083	37.0975902	0.0931263	0.08685958	9.79902005
	11	2.18637779	0.3474689	1.53220151	0.55285041	0.59778343	0.00583461	0.54691735	1.63352739	0.39081	0	0	0	0.002	1.63131631	9.79483139	2.34450544	445.263267	37.1054389	0.0931263	0.08687818	9.80108151
12	2.178870205	0.3480974	1.5316208	0.55119722	0.59595956	0.00581716	0.54538006	1.62768199	0.38944	0	0	0	0.002	1.62620385	9.79690021	2.34399591	445.359223	37.1132686	0.0931263	0.08689651	9.80313	
13	2.171403912	0.3485101	1.53104051	0.54954805	0.59421276	0.00579975	0.5437483	1.62185586	0.38804	0	0	0	0.002	1.62020366	9.798962	2.34448921	445.45295	37.1210792	0.0931263	0.0869148	9.8051735	
14	2.163951959	0.3489218	1.53046027	0.54790302	0.59243403	0.00578239	0.54212063	1.61604894	0.38665	0	0	0	0.002	1.61440265	9.80101878	2.34498131	445.54645	37.1288708	0.0931263	0.08693304	9.80721204	
15	2.156523283	0.3493327	1.5298801	0.54626212	0.59065976	0.00576507	0.54049704	1.61026117	0.38527	0	0	0	0.002	1.60862078	9.80307056	2.34547222	445.639722	37.1366435	0.0931263	0.08695124	9.80924562	
16	2.149117821	0.3497427	1.52929997	0.54465323	0.58888994	0.00574178	0.53887573	1.60449249	0.38389	0	0	0	0.002	1.60285798	9.80511733	2.34596193	445.732767	37.1448972	0.0931263	0.08696939	9.81127424	
17	2.141735509	0.3501518	1.52871991	0.54299265	0.58712456	0.00573057	0.53726208	1.59874286	0.38251	0	0	0	0.002	1.59711421	9.80715912	2.34645045	445.825458	37.152132	0.0931263	0.08698753	9.81320791	
18	2.134376285	0.350506	1.5281399	0.54136407	0.58536362	0.00571338	0.53565609	1.59301222	0.38114	0	0	0	0.002	1.5913984	9.80915992	2.34693777	445.918176	37.159848	0.0931263	0.08700557	9.81531665	
19	2.127040087	0.3509673	1.52759359	0.53973959	0.58360711	0.00569624	0.53404335	1.5873005	0.37978	0	0	0	0.002	1.5856835	9.81122775	2.3474239	446.010541	37.1675451	0.0931263	0.08702599	9.81733046	
20	2.119726851	0.3513738	1.52698006	0.5381192	0.58185502	0.00567914	0.53244006	1.58107605	0.37841	0	0	0	0.002	1.57999645	9.81325461	2.34790885	446.102681	37.1752234	0.0931263	0.08704157	9.81933934	
21	2.112436516	0.3517794	1.52646022	0.53650289	0.58010735	0.00566208	0.53084081	1.57593362	0.37706	0	0	0	0.002	1.57432821	9.81527651	2.3483926	446.194959	37.1828829	0.0931263	0.0870595	9.82134331	
22	2.105169019	0.3521841	1.52592045	0.53480966	0.57836409	0.00564506	0.5292456	1.57027836	0.37570	0	0	0	0.002	1.5686787	9.81729346	2.34897518	446.286284	37.1905236	0.0931263	0.08707739	9.82342436	
23	2.097024299	0.3525288	1.52524073	0.5332825	0.57662522	0.00562809	0.52765441	1.5646418	0.37435	0	0	0	0.002	1.56304788	9.81930546	2.34935657	446.377748	37.1984456	0.0931263	0.08709524	9.82533652	
24	2.090702292	0.3529909	1.52466107	0.5316784	0.574889075	0.00561116	0.52606724	1.55902389	0.37301	0	0	0	0.002	1.5574357	9.82131253	2.34983678	446.468987	37.2057489	0.0931263	0.08711304	9.82732579	
1	2.083502937	0.353393	1.52408147	0.53007836	0.57316066	0.00559428	0.52448408	1.55342458	0.37167	0	0	0	0.002	1.55184209	9.82331467	2.3503158	446.560003	37.2133336	0.0931263	0.0871308	9.8293017	
2	2.076326173	0.3537943	1.52350192	0.52848237	0.57143495	0.00557743	0.52290493	1.54784831	0.37034	0	0	0	0.002	1.546267	9.82531188	2.35079366	446.650795	37.2208996	0.0931263	0.08714852	9.83128967	
3	2.069171937	0.3541946	1.52292244	0.52689804	0.56971362	0.00556031	0.52132978	1.54228152	0.36900	0	0	0	0.002	1.54071039	9.82730419	2.35127033	446.741363	37.2284469	0.0931263	0.08716619	9.8332643	
4	2.062040169	0.35454983	1.52234755	0.52539654	0.56754587	0.00554387	0.51975824	1.53673767	0.36768	0	0	0	0.002	1.53517121	9.82932159	2.35174581	446.832709	37.2359177	0.0931263	0.08718382	9.83523467	
5	2.054039027	0.3549927	1.52176365	0.52378165	0.5662802	0.00552676	0.51819145	1.5312122	0.36636	0	0	0	0.002	1.52965234	9.83127409	2.35222017	446.921832	37.243486	0.0931263	0.0872014	9.83719899	
6	2.047843789	0.3553904	1.52118434	0.52213874	0.56457575	0.00551048	0.51662826	1.52570504	0.36504	0	0	0	0.002	1.52415079	9.83325169	2.35269333	447.011732	37.2509777	0.0931263	0.08721894	9.83915906	
7	2.040779055	0.3557873	1.52060509	0.52056289	0.56287181	0.00549385	0.51506904	1.52021616	0.36373	0	0	0	0.002	1.5186675	9.83522442	2.35316532	447.104111	37.2584509	0.0931263	0.08723644	9.84111428	
8	2.033736544	0.3561833	1.52002259	0.51899105	0.56117223	0.00547726	0.51351379	1.51474549	0.36242	0	0	0	0.002	1.51320241	9.83719227	2.35363615	447.190868	37.2659056	0.0931263	0.08725389	9.84306468	
9	2.026716194	0.3565785	1.51944677	0.51742321	0.55947696	0.00546072	0.51196249	1.50929299	0.36111	0	0	0	0.002	1.50775545	9.83915526	2.35405881	447.280104	37.273342	0.0931263	0.08727173	9.84501026	
10	2.019717945	0.3569727	1.5188677	0.51685926	0.55778601	0.00544421	0.51041515	1.50385858	0.35981	0	0	0	0.002	1.50232659	9.84113339	2.35457411	447.369118	37.2807399	0.0931263	0.08728967	9.84695102	
11	2.012741737	0.3573662	1.51828869	0.51424905	0.55609937	0.00542775	0.50887175	1.49844224	0.35852	0	0	0	0.002	1.49691576	9.84306666	2.35504165	447.457913	37.2881594	0.0931263	0.087306	9.84888697	
12	2.005787509	0.3577587	1.51770975	0.51274362	0.55441704	0.00541133	0.50733229	1.49304389	0.35722	0	0	0	0.00									

4	1.603764417	0.3811328	1.48078935	0.42113038	0.45535789	0.00444447	0.4166859	1.18263404	0.28296	0	0	0	0.001	1.18142928	0.96000245	2.38301958	452.77372	37.7311433	0.0931263	0.08834319	9.96478556
5	1.598115182	0.3814715	1.4802146	0.41981838	0.45393926	0.00443063	0.41538775	1.1782968	0.28192	0	0	0	0.001	1.17709646	0.96165308	2.38341451	452.848756	37.7373964	0.0931263	0.08835784	9.96642155
6	1.592484213	0.3818093	1.47964001	0.41850099	0.45252444	0.00441682	0.41409308	1.17397431	0.28088	0	0	0	0.001	1.17277837	0.96252994	2.38358084	452.925956	37.743633	0.0931263	0.08837244	9.96805326
7	1.586871455	0.3821463	1.47906544	0.41720094	0.45111342	0.00440025	0.41380119	1.16946651	0.27995	0	0	0	0.001	1.16847496	0.96404414	2.38420127	452.998241	37.7498534	0.0931263	0.08838387	9.96968607
8	1.581276859	0.3824826	1.47849094	0.41590349	0.44970619	0.00438931	0.41151518	1.16537337	0.27883	0	0	0	0.001	1.16418619	0.9665791	2.3845931	453.072689	37.7565074	0.0931263	0.08840153	9.97130388
9	1.57570037	0.3828181	1.47791652	0.41460554	0.44830275	0.00437561	0.41022993	1.16109483	0.27780	0	0	0	0.001	1.15991201	0.96821252	2.38498391	453.146943	37.7622452	0.0931263	0.08841602	9.97292828
10	1.570149139	0.3831527	1.47742316	0.41331109	0.44690309	0.00436195	0.40894914	1.15683085	0.27678	0	0	0	0.001	1.15565237	0.96984164	2.38537369	453.221002	37.7684168	0.0931263	0.08843047	9.97453748
11	1.564601512	0.3834866	1.47676787	0.41202012	0.44555072	0.00434863	0.4076718	1.15258139	0.27577	0	0	0	0.001	1.15140724	0.97146649	2.38576245	453.294867	37.7745722	0.0931263	0.08844488	9.97614791
12	1.559079039	0.3838107	1.47619386	0.41073254	0.44411508	0.00433474	0.4063979	1.14843666	0.27475	0	0	0	0.001	1.14717657	0.97308707	2.38615059	453.368536	37.780513	0.0931263	0.08845925	9.97775412
13	1.553744468	0.384151	1.47561952	0.40944863	0.44271267	0.00432119	0.40512744	1.14412584	0.27375	0	0	0	0.001	1.14249631	0.97470139	2.38653601	453.442031	37.7868344	0.0931263	0.08847359	9.97935161
14	1.548087748	0.3844835	1.47505454	0.40816809	0.44134209	0.00430767	0.40386041	1.13991966	0.27274	0	0	0	0.001	1.13875841	0.97631546	2.38692021	453.515296	37.7929413	0.0931263	0.08848789	9.98095387
15	1.542618826	0.3848143	1.47447144	0.406891	0.43996121	0.0042942	0.40259681	1.13572782	0.27173	0	0	0	0.001	1.13457085	0.97792328	2.3873073	453.588386	37.7990322	0.0931263	0.08850215	9.98254743
16	1.537167653	0.3851442	1.47389751	0.40561737	0.43858407	0.00428076	0.40133662	1.13155028	0.27073	0	0	0	0.001	1.13039756	0.97952686	2.38769097	453.661284	37.805107	0.0931263	0.08851637	9.98413679
17	1.531734177	0.3854734	1.47323366	0.40434719	0.43721065	0.00426735	0.40007984	1.12736969	0.26974	0	0	0	0.001	1.12623851	0.98112622	2.38807363	453.733989	37.8111658	0.0931263	0.08853056	9.98572196
18	1.526313848	0.3858018	1.47267687	0.40308045	0.43584095	0.00425398	0.39882647	1.1232379	0.26874	0	0	0	0.001	1.12209365	0.98272136	2.38845854	453.806503	37.8172086	0.0931263	0.08854471	9.98730295
19	1.520920114	0.3861294	1.47217151	0.40181714	0.43447497	0.00424065	0.39757649	1.11910298	0.26776	0	0	0	0.001	1.11795624	0.98431228	2.38883592	453.879823	37.8232354	0.0931263	0.08855882	9.98887976
20	1.515539424	0.3864563	1.47160251	0.40055725	0.43311268	0.00422735	0.3963299	1.11498217	0.26677	0	0	0	0.001	1.11384633	0.985899	2.38921556	453.950956	37.8292463	0.0931263	0.08857289	9.99045241
21	1.51017623	0.3867823	1.47102894	0.39930079	0.4317541	0.00421409	0.3950867	1.11087544	0.26579	0	0	0	0.001	1.10974378	0.98748152	2.38959419	454.022896	37.8352414	0.0931263	0.08858693	9.99202029
22	1.504830479	0.3871076	1.47045544	0.39804773	0.4303992	0.00420087	0.39384687	1.10678275	0.26481	0	0	0	0.001	1.10565526	0.98905986	2.38997182	454.094646	37.8412205	0.0931263	0.08860093	9.99358523
23	1.499502121	0.3874321	1.46988202	0.39679808	0.42904799	0.00418768	0.3926104	1.10270404	0.26383	0	0	0	0.001	1.1015807	0.99063401	2.39034845	454.166206	37.8471838	0.0931263	0.08861489	9.99514542
24	1.494191107	0.3877558	1.46930866	0.39551183	0.42770045	0.00417453	0.39137731	1.09863927	0.26286	0	0	0	0.001	1.09752008	0.9922204	2.39072409	454.237576	37.8531314	0.0931263	0.08862882	9.99670148
1	1.488987386	0.3880788	1.46873538	0.39430897	0.42635657	0.00416141	0.39014756	1.09458841	0.26189	0	0	0	0.001	1.09347335	0.99376982	2.39109872	454.308757	37.8590631	0.0931263	0.0886427	9.99825341
2	1.483620909	0.388401	1.46816217	0.3930695	0.42501636	0.00414833	0.38892117	1.09055141	0.26092	0	0	0	0.001	1.08944046	0.99533148	2.39147236	454.379749	37.8649791	0.0931263	0.08865656	9.99980122
3	1.478361625	0.3887224	1.46759804	0.3918334	0.4236798	0.00413528	0.38769812	1.08652823	0.25996	0	0	0	0.001	1.08542137	0.99688899	2.39184501	454.450552	37.8708794	0.0931263	0.08867037	1.00134449
4	1.473119485	0.389043	1.46701597	0.39060067	0.42234688	0.00412227	0.3864784	1.08251881	0.25900	0	0	0	0.001	1.08141604	0.99844237	2.39221667	454.521168	37.876764	0.0931263	0.08868415	1.00202885
5	1.46798444	0.3893629	1.46644298	0.38937131	0.4210176	0.0041093	0.38526201	1.07852133	0.25805	0	0	0	0.001	1.07742443	0.99999161	2.3925784	454.591595	37.8826329	0.0931263	0.08869789	1.004042
6	1.462586439	0.3896419	1.46582707	0.3881463	0.41969159	0.00409636	0.38404846	1.07454114	0.25709	0	0	0	0.001	1.07448636	1.0017713	2.39293167	454.661831	37.8884662	0.0931263	0.08871159	1.00509514
7	1.457495433	0.3900004	1.46529722	0.38692264	0.41836924	0.00408364	0.38283919	1.07057279	0.25614	0	0	0	0.001	1.06948120	1.0030777	2.39332572	454.731888	37.894324	0.0931263	0.08872526	1.00704788
8	1.452321374	0.390318	1.46472445	0.38570333	0.4170155	0.00407059	0.38163274	1.06661804	0.25520	0	0	0	0.001	1.06553147	1.0046146	2.39369344	454.801754	37.9001461	0.0931263	0.0887389	1.0090002
9	1.447164212	0.3906348	1.46415176	0.38448735	0.41573669	0.00405776	0.3804296	1.06267686	0.25425	0	0	0	0.001	1.0615943	1.00601474	2.39406018	454.871433	37.9059528	0.0931263	0.08875249	1.01052122
10	1.442023897	0.3909508	1.46357913	0.3832747	0.41442549	0.00404496	0.37922974	1.05874919	0.25332	0	0	0	0.001	1.05767064	1.0076761	2.39442593	454.940927	37.9117439	0.0931263	0.08876605	1.01203664
11	1.436900382	0.3912661	1.46300568	0.38206538	0.41311787	0.0040321	0.37803318	1.05483501	0.25238	0	0	0	0.001	1.05374604	1.00920027	2.39479071	455.010235	37.9175196	0.0931263	0.08877957	1.01354575
12	1.431793817	0.3915802	1.46242411	0.38081947	0.41180431	0.00401947	0.3768349	1.05093425	0.25145	0	0	0	0.001	1.04983661	1.0107713	2.39521367	455.079354	37.9232798	0.0931263	0.08879325	1.01509545
13	1.426703553	0.3918944	1.46186171	0.37965666	0.41051339	0.00400677	0.37564899	1.04704689	0.25052	0	0	0	0.001	1.04598026	1.0122378	2.39551734	455.148295	37.9290246	0.0931263	0.08880651	1.01655676
14	1.421630143	0.3922074	1.46128938	0.37845726	0.40921651	0.00399412	0.37446314	1.04317288	0.24959	0	0	0	0.001	1.04211019	1.0137502	2.3958792	455.217049	37.9347541	0.0931263	0.08881993	1.01808966
15	1.416573337	0.3925197	1.46071713	0.37726118	0.40792913	0.00398149	0.37327966	1.03931218	0.24866	0	0	0	0.001	1.03825343	1.0152586	2.39624009	455.286168	37.9404682	0.0931263	0.0888333	1.02019515
16	1.411533087	0.3928132	1.46014495	0.37606834	0.40663342	0.00396889	0.37209943	1.03544675	0.24774	0	0	0	0.001	1.03440991	1.0167629	2.39660002	455.354003	37.9461669	0.0931263	0.08884665	1.02210425
17	1.406459945	0.3931142	1.45959728	0.37479986	0.40530635	0.00395635	0.37092245	1.03160333	0.24683	0	0	0	0.001	1.03052796	1.01827865	2.39695989	455.422205	37.9518604	0.0931263	0.08885997	1.02425497
18	1.401502064	0.393452	1.45900082	0.37369254	0.40404653	0.00394383	0.36974871	1.02789953	0.24591	0	0	0	0.001	1.02676249	1.0197594	2.39711697	455.490224	37.9575386	0.0931263	0.08887323	1.02640125
19	1.396511194	0.3937612	1.45842887	0.37250594	0.40278539	0.00393135	0.3685782	1.02400165	0.24500	0	0	0	0.001	1.02295840	1.02121517	2.397674	455.558086	37.9631716	0.0931263	0.08888664	1.02845915
20	1.391536688	0.3940697	1.45785699	0.37132981	0.40150977	0.0039189	0.36741091	1.02020868	0.24409	0	0	0	0.001	1.01916759	1.0227399	2.39803007	455.625713	37.9688094	0.0931263	0.08889966	1.02966665
21	1.386578499	0.3943774	1.45728518	0.37015333	0.40023767	0.00390648	0.36624685	1.01642517	0.24316	0	0	0	0.001	1.01538973	1.02424241	2.39838518	455.693185	37.9744321	0.0931263	0.08891283	1.0284376
22	1.381635678	0.3946844	1.45671345	0.36898009	0.39969601	0.0038941	0.365086	1.01265648	0.24229	0	0	0	0.001	1.01162488	1.025						

	6	1.12943455	10.410718	1.24282032	0.30825257	0.33330591	0.0032532	0.30499937	0.82118198	0.19648	0	0	0	0.001	0.82034543	10.1024654	2.41710511	459.249972	38.2770831	0.0931263	0.08960681	10.1059849
	7	1.12534806	10.4109483	1.2425307	0.30725238	0.3322254	0.00324265	0.30401063	0.81809152	0.19574	0	0	0	0.001	0.81725813	10.103731	2.41740792	459.307504	38.2756253	0.0931263	0.08961804	10.1072393
	8	1.12126875	10.4112499	1.2426359	0.30625865	0.3314798	0.00322124	0.30302472	0.81510119	0.19500	0	0	0	0.001	0.81418164	10.104993	2.41770987	459.364876	38.2804663	0.0931263	0.08962974	10.1084901
	9	1.11720636	10.4115348	1.24211882	0.30526128	0.33007365	0.00322165	0.30204162	0.81194309	0.19425	0	0	0	0.001	0.81111595	10.1062155	2.41800108	459.422086	38.2851739	0.0931263	0.08964039	10.1097775
	10	1.11315756	10.4117791	1.24255181	0.30427254	0.3290024	0.00321119	0.30106135	0.80888053	0.19353	0	0	0	0.001	0.80806101	10.1070565	2.41831125	459.479137	38.2892081	0.0931263	0.08965153	10.1109813
	11	1.10912263	10.4120427	1.24219849	0.30328465	0.32793422	0.00320077	0.30008388	0.80583771	0.19280	0	0	0	0.001	0.8050168	10.108758	2.41861067	459.536028	38.294669	0.0931263	0.08966263	10.1122217
	12	1.10510068	10.4123056	1.242141805	0.3022996	0.3268691	0.00319037	0.29910922	0.80280108	0.19208	0	0	0	0.001	0.80198326	10.110006	2.41890926	459.59276	38.2993966	0.0931263	0.0896737	10.1134586
	13	1.101092486	10.4125678	1.24085129	0.30131736	0.32580704	0.00318001	0.29813736	0.79977512	0.19135	0	0	0	0.001	0.79896038	10.112504	2.41920701	459.649332	38.304111	0.0931263	0.08968473	10.114692
	14	1.097097742	10.4128204	1.2428462	0.30033795	0.32474803	0.00316967	0.29716828	0.79675979	0.19063	0	0	0	0.001	0.79594812	10.1124914	2.41953092	459.705746	38.3088121	0.0931263	0.08969574	10.115922
	15	1.093116405	10.4130061	1.24219181	0.29936136	0.32360292	0.00315936	0.29620199	0.79375505	0.18991	0	0	0	0.001	0.79294644	10.1137289	2.4198	459.762001	38.3135001	0.0931263	0.08970673	10.1174485
	16	1.089148436	10.4133505	1.24191512	0.29838757	0.32263912	0.00314909	0.29523848	0.79076087	0.18920	0	0	0	0.001	0.78995531	10.1149629	2.42009525	459.818098	38.3181748	0.0931263	0.08971766	10.1183715
	17	1.085193794	10.41361	1.241858509	0.29741658	0.32158922	0.00313884	0.29427774	0.78777721	0.18848	0	0	0	0.001	0.7869747	10.1161934	2.42038967	459.874037	38.3228364	0.0931263	0.08972858	10.1195912
	18	1.081252439	10.4138689	1.241801875	0.29644839	0.32054233	0.00312862	0.29331977	0.78480405	0.18777	0	0	0	0.001	0.78400456	10.1174205	2.42068326	459.928919	38.3274849	0.0931263	0.08973984	10.1208074
	19	1.077324331	10.4141271	1.24175428	0.29548298	0.31949847	0.00311843	0.29236455	0.78184135	0.18706	0	0	0	0.001	0.78104488	10.1186441	2.42097602	459.985444	38.3321203	0.0931263	0.08975031	10.1222021
	20	1.07340943	10.4143847	1.24168631	0.29452036	0.31845761	0.00310827	0.29125109	0.77889907	0.18636	0	0	0	0.001	0.77809561	10.11988453	2.42126796	460.040912	38.3367427	0.0931263	0.08976114	10.1232295
	21	1.069507096	10.4146416	1.241632021	0.29356051	0.31741975	0.00309814	0.29004237	0.77597418	0.18565	0	0	0	0.001	0.77515672	10.1210811	2.42155908	460.096224	38.341352	0.0931263	0.08977193	10.1242554
	22	1.065619088	10.4148978	1.24157542	0.29263044	0.31638488	0.00308804	0.28951539	0.77301565	0.18495	0	0	0	0.001	0.77222817	10.1222944	2.42184937	460.15138	38.3459484	0.0931263	0.08978269	10.1252638
	23	1.061743567	10.4151534	1.24158827	0.29164912	0.315353	0.00307797	0.2885715	0.77009445	0.18425	0	0	0	0.001	0.76930995	10.1235043	2.42213885	460.206381	38.3505317	0.0931263	0.08979342	10.1262837
	24	1.057881094	10.4154083	1.24162242	0.29069756	0.31432411	0.00306793	0.28762963	0.76718353	0.18356	0	0	0	0.001	0.766402	10.1247107	2.42242275	460.261226	38.3551022	0.0931263	0.08980412	10.1280329
	25	1.054031629	10.4156625	1.24154666	0.28974875	0.31329818	0.00305792	0.28669084	0.76428288	0.18286	0	0	0	0.001	0.7635043	10.1259138	2.42271535	460.319196	38.3596597	0.0931263	0.08981479	10.1292253
	26	1.050195132	10.4159161	1.241340999	0.28880268	0.31227522	0.00304793	0.28575475	0.76139245	0.18217	0	0	0	0.001	0.76061681	10.1271134	2.42300238	460.379451	38.3642043	0.0931263	0.08982543	10.1304143
	27	1.046371563	10.4161691	1.241292539	0.28785935	0.31125522	0.00303798	0.28482138	0.75851221	0.18148	0	0	0	0.001	0.75773951	10.1283097	2.42328859	460.424833	38.3687661	0.0931263	0.08983605	10.1316
	28	1.042560885	10.4164213	1.24125398	0.28691876	0.31023818	0.00302805	0.28389071	0.75564213	0.18079	0	0	0	0.001	0.75487235	10.1295026	2.423574	460.47906	38.373255	0.0931263	0.08984663	10.1327823
	29	1.038763057	10.416673	1.24117945	0.28598088	0.30922408	0.00301815	0.28292673	0.75278218	0.18011	0	0	0	0.001	0.75201531	10.1306921	2.4238586	460.533134	38.3777612	0.0931263	0.08985718	10.1339612
	30	1.034978041	10.4169239	1.24112291	0.28504572	0.30821292	0.00300828	0.28203744	0.74993232	0.17943	0	0	0	0.001	0.74916835	10.1318782	2.42414239	460.587054	38.3822545	0.0931263	0.08986777	10.1351386
	31	1.031205797	10.4171743	1.241066385	0.28411328	0.30720469	0.00299844	0.2811484	0.74709252	0.17875	0	0	0	0.001	0.74631345	10.133061	2.42442538	460.640882	38.3867552	0.0931263	0.08987819	10.1363091
	32	1.02746287	10.4174381	1.241009638	0.28318564	0.30619938	0.00298851	0.28019451	0.74425275	0.17807	0	0	0	0.001	0.74350545	10.1342584	2.42470779	460.694327	38.3912301	0.0931263	0.08988865	10.1374781
	33	1.023699472	10.417673	1.24095638	0.2822555	0.30519699	0.00297824	0.27927766	0.74144277	0.17740	0	0	0	0.001	0.74068766	10.1354165	2.42498985	460.7479	38.3957584	0.0931263	0.08989908	10.1386437
	34	1.019965313	10.4179213	1.240896858	0.28133215	0.30419752	0.00296909	0.27836306	0.73863136	0.17672	0	0	0	0.001	0.73788071	10.1365892	2.42526953	460.801211	38.4001009	0.0931263	0.08990948	10.139806
	35	1.016243771	10.4181691	1.240840366	0.28041409	0.30320095	0.00295936	0.27745113	0.73583328	0.17605	0	0	0	0.001	0.73508368	10.1377586	2.42554932	460.854371	38.4054309	0.0931263	0.08991986	10.140965
	36	1.012534809	10.4184162	1.240783883	0.27949151	0.30220728	0.00294966	0.27654184	0.7330433	0.17539	0	0	0	0.001	0.73229654	10.1389246	2.42582831	460.907379	38.4089483	0.0931263	0.08993032	10.1421208
	37	1.008838388	10.4186626	1.240727407	0.2787572	0.3012165	0.00293999	0.27563521	0.73026319	0.17472	0	0	0	0.001	0.72951928	10.1400874	2.42610651	460.960237	38.4133531	0.0931263	0.08994053	10.1432732
	38	1.005154469	10.4189185	1.24067056	0.2779615	0.3002286	0.00293035	0.27473181	0.72749281	0.17406	0	0	0	0.001	0.72873181	10.1412414	2.42638932	461.012944	38.4177453	0.0931263	0.08995078	10.1444223
	39	1.001483015	10.4191535	1.240614483	0.27675058	0.29924358	0.00292074	0.27382894	0.72473244	0.17340	0	0	0	0.001	0.72739914	10.142403	2.42666053	461.065501	38.4221251	0.0931263	0.08996105	10.1455582
	40	0.997823986	10.4193981	1.240558033	0.27584225	0.29826143	0.00291115	0.2729311	0.72198173	0.17274	0	0	0	0.001	0.72124624	10.1435558	2.42693636	461.117908	38.4264924	0.0931263	0.08997128	10.1467108
	41	0.994177347	10.4196419	1.240501592	0.27493658	0.29728214	0.00290159	0.27203498	0.71924077	0.17208	0	0	0	0.001	0.71850807	10.1447054	2.4272114	461.170166	38.4308472	0.0931263	0.08998147	10.1478502
	42	0.990543057	10.4198852	1.24045159	0.27403354	0.29630705	0.00289206	0.27114148	0.71650952	0.17143	0	0	0	0.001	0.7157796	10.1458516	2.42748566	461.222275	38.4351896	0.0931263	0.08999164	10.1489863
	43	0.986921081	10.4201278	1.240400735	0.27311371	0.29533213	0.00288256	0.27025059	0.71379724	0.17078	0	0	0	0.001	0.71512912	10.14699616	2.42775913	461.274424	38.4396195	0.0931263	0.08999938	10.1501192
	44	0.983311379	10.4203697	1.240332319	0.27223538	0.2943613	0.00287308	0.26936229	0.711076	0.17013	0	0	0	0.001	0.71035162	10.1481344	2.42803182	461.326046	38.4438372	0.0931263	0.09000189	10.1512488
	45	0.979713915	10.4206111	1.240275912	0.27134023	0.2933935	0.00286364	0.26847659	0.70837368	0.16948	0	0	0	0.001	0.70765206	10.1492708	2.42830373	461.377709	38.4481424	0.0931263	0.09000217	10.1523752
	46	0.976128651	10.4208518	1.240219514	0.2704477	0.29242863	0.00285422	0.26759348	0.70568095	0.16884	0	0	0	0.001	0.70496206	10.1504041	2.42857487	461.429225	38.4524354	0.0931263	0.09000302	10.1534984
	47	0.972555549	10.4210918	1.240163124	0.2695577	0.29146619	0.00284483	0.26671296	0.70299776	0.16820	0	0	0	0.001	0.70228161	10.1515341	2.42884522	461.480593	38.4567161</			

8	0.787824706	10.43377	1.36963349	0.22295034	0.2410707	0.00235295	0.22059739	0.56487437	0.13515	0	0	0	0.001	0.56429893	10.2108196	2.44302983	464.175667	38.6813056	0.0931263	0.09056789	10.213378
9	0.784896317	10.4339754	1.36907471	0.2222015	0.240261	0.00234504	0.21985646	0.56269482	0.13463	0	0	0	0.001	0.56212159	10.2117739	2.44325815	464.219049	38.6849208	0.0931263	0.09057638	10.2143239
10	0.781978052	10.4341803	1.36851602	0.22145482	0.23965375	0.00237176	0.21911776	0.56052313	0.13411	0	0	0	0.001	0.559959212	10.2127254	2.44348858	464.262037	38.6885252	0.0931263	0.09058488	10.2152669
11	0.779096978	10.4343847	1.36795742	0.2207106	0.23864893	0.00223931	0.2188129	0.55835928	0.13359	0	0	0	0.001	0.55779048	10.2136741	2.44371278	464.305428	38.692119	0.0931263	0.09059321	10.2162072
12	0.776171763	10.4345885	1.36739892	0.21996852	0.23784654	0.00232148	0.21764704	0.55620325	0.13308	0	0	0	0.001	0.55553664	10.2146199	2.44393909	464.348426	38.6957022	0.0931263	0.0906016	10.2171446
13	0.773283677	10.4347917	1.3668405	0.21922868	0.23704657	0.00231367	0.21691501	0.554055	0.13256	0	0	0	0.001	0.55349058	10.215563	2.44416472	464.391297	38.6992748	0.0931263	0.09060996	10.2180793
14	0.770405587	10.4349943	1.36628218	0.21849108	0.23624902	0.00230588	0.2161852	0.55191451	0.13205	0	0	0	0.001	0.55135227	10.2165033	2.44438969	464.434041	38.7028368	0.0931263	0.0906183	10.2190113
15	0.767537462	10.4351965	1.36572934	0.21775571	0.23545388	0.00229812	0.21545759	0.54978175	0.13154	0	0	0	0.001	0.54922168	10.2174407	2.44461399	464.476568	38.7063882	0.0931263	0.09062667	10.2199404
16	0.764679271	10.435398	1.3651658	0.21702567	0.23466115	0.00229039	0.21473218	0.54765671	0.13103	0	0	0	0.001	0.54740988	10.2183755	2.44483763	464.519149	38.7099291	0.0931263	0.09063491	10.2208668
17	0.761830982	10.435599	1.36460775	0.21629164	0.23387082	0.00228267	0.21400897	0.54553934	0.13053	0	0	0	0.001	0.54540819	10.2193074	2.4450606	464.561514	38.7134595	0.0931263	0.09064313	10.2217905
18	0.758992563	10.4357995	1.36404079	0.21556293	0.23302888	0.00227498	0.21328758	0.54342964	0.13002	0	0	0	0.001	0.54287604	10.2202365	2.44528201	464.603753	38.7169794	0.0931263	0.09065142	10.2227114
19	0.756163985	10.4359994	1.36349192	0.21483642	0.23229733	0.00226731	0.21256911	0.54132756	0.12952	0	0	0	0.001	0.54077611	10.221163	2.44550456	464.645867	38.7204889	0.0931263	0.09065963	10.2236296
20	0.753345215	10.4361987	1.36293415	0.21411212	0.23151416	0.00225967	0.21185245	0.53923309	0.12902	0	0	0	0.001	0.53868377	10.2220866	2.44572555	464.687855	38.7239879	0.0931263	0.09066783	10.2245451
21	0.750536223	10.4363975	1.36237646	0.21339001	0.23073332	0.00225205	0.21113796	0.53714621	0.12852	0	0	0	0.001	0.53659901	10.2230075	2.44594589	464.729719	38.7274766	0.0931263	0.090676	10.2254578
22	0.747736977	10.4365958	1.36181887	0.2126701	0.22995484	0.00224445	0.21042555	0.53506688	0.12802	0	0	0	0.001	0.53453218	10.2239257	2.44616857	464.771458	38.7309949	0.0931263	0.09068414	10.2263678
23	0.744947448	10.4367935	1.36126137	0.21195237	0.22917887	0.00223688	0.20971549	0.53295908	0.12752	0	0	0	0.001	0.53245211	10.2248411	2.4463846	464.813074	38.7344228	0.0931263	0.09069226	10.2272752
24	0.742167604	10.4369907	1.36070396	0.21123682	0.22840517	0.00222933	0.20900749	0.53093078	0.12703	0	0	0	0.001	0.53038992	10.2257538	2.44660297	464.854565	38.7378804	0.0931263	0.09070306	10.2281798
25	0.739397415	10.4371873	1.36014664	0.21052345	0.22763381	0.0022218	0.20830165	0.52887397	0.12654	0	0	0	0.001	0.5283352	10.2266638	2.4468207	464.895933	38.7413277	0.0931263	0.09070843	10.2290817
26	0.736636849	10.4373834	1.35958941	0.20981224	0.2268648	0.00221429	0.20759795	0.52682461	0.12605	0	0	0	0.001	0.52628793	10.2275711	2.44703777	464.931717	38.7447467	0.0931263	0.09071647	10.2299809
27	0.733858577	10.4375789	1.35890328	0.2091032	0.22609813	0.00220681	0.20689639	0.52478268	0.12556	0	0	0	0.001	0.52424808	10.2284757	2.4472542	464.978298	38.7481915	0.0931263	0.0907245	10.2308775
28	0.731144468	10.4377739	1.35847524	0.20839631	0.22533379	0.00219935	0.20619696	0.52274816	0.12507	0	0	0	0.001	0.52221563	10.2293716	2.44746909	465.019297	38.7516081	0.0931263	0.0907325	10.2317714
29	0.728412592	10.4379684	1.35791829	0.20769158	0.22457178	0.00219191	0.20549967	0.52072102	0.12459	0	0	0	0.001	0.52019055	10.2302768	2.44768512	465.060174	38.7550145	0.0931263	0.09074047	10.2326266
30	0.725690219	10.4381623	1.35736143	0.20698889	0.22381209	0.0021845	0.20480449	0.51870123	0.12410	0	0	0	0.001	0.51817283	10.2311733	2.44789962	465.100928	38.7584077	0.0931263	0.09074842	10.2335512
31	0.722977318	10.4383557	1.35680467	0.20628854	0.22305472	0.0021771	0.20411144	0.51668878	0.12362	0	0	0	0.001	0.51616242	10.2320671	2.44811348	465.141561	38.7617967	0.0931263	0.09075635	10.2344371
32	0.72027386	10.4385485	1.356248	0.20559023	0.22229965	0.00216973	0.2034205	0.51468363	0.12314	0	0	0	0.001	0.51415932	10.2329583	2.4483267	465.182072	38.7651727	0.0931263	0.09076426	10.2353203
33	0.717579814	10.4387408	1.35569142	0.20484005	0.22154689	0.00216239	0.20273167	0.51268576	0.12266	0	0	0	0.001	0.51216348	10.2338468	2.44859628	465.222462	38.7685385	0.0931263	0.09077214	10.2362609
34	0.71489515	10.4389329	1.35514934	0.20410962	0.22081506	0.00215506	0.20204491	0.51069513	0.12219	0	0	0	0.001	0.51017491	10.2347326	2.44881753	465.262373	38.7718943	0.0931263	0.09078009	10.2370789
35	0.712219839	10.4391238	1.35457854	0.20335086	0.22004685	0.00214776	0.2013603	0.50871178	0.12171	0	0	0	0.001	0.50819355	10.2356158	2.44903623	465.30288	38.77524	0.0931263	0.09078783	10.2379542
36	0.709553851	10.4393145	1.35402223	0.20261823	0.21930236	0.00214048	0.20067776	0.50673562	0.12124	0	0	0	0.001	0.5062194	10.2364963	2.4491732	465.342909	38.7785757	0.0931263	0.09079564	10.238827
37	0.706897157	10.4395047	1.35346603	0.20213052	0.21855875	0.00213322	0.1999973	0.50476664	0.12077	0	0	0	0.001	0.50425243	10.2373742	2.44938325	465.382818	38.7819015	0.0931263	0.09080343	10.2396971
38	0.704249726	10.4396944	1.35290991	0.20144691	0.21781741	0.00212598	0.19931892	0.50280482	0.1203	0	0	0	0.001	0.50229261	10.2382495	2.44959267	465.422606	38.7852172	0.0931263	0.09081119	10.2405646
39	0.701611529	10.4398845	1.35235389	0.20076139	0.21707834	0.00211877	0.19864262	0.50085014	0.11983	0	0	0	0.001	0.50033992	10.2391221	2.44980415	465.462276	38.788523	0.0931263	0.09081893	10.24144295
40	0.698982537	10.4400743	1.35179796	0.20007221	0.21629414	0.00211158	0.19796829	0.4989025	0.11937	0	0	0	0.001	0.49894343	10.2400092	2.4500791	465.501827	38.7918189	0.0931263	0.09082655	10.2423198
41	0.696362721	10.4402602	1.35124212	0.19940063	0.21560699	0.00210441	0.19729622	0.49696209	0.11890	0	0	0	0.001	0.49645583	10.2408596	2.45021715	465.541259	38.7951049	0.0931263	0.09083434	10.2431515
42	0.693752051	10.4404477	1.35068638	0.19873237	0.21487469	0.00209726	0.19662611	0.49502868	0.11844	0	0	0	0.001	0.49452439	10.2417244	2.45042406	465.580572	38.798381	0.0931263	0.09084201	10.2440087
43	0.691150499	10.4406348	1.35013073	0.19804819	0.21414463	0.00209014	0.19559806	0.49310231	0.11792	0	0	0	0.001	0.49259998	10.2425866	2.45063036	465.619767	38.8016473	0.0931263	0.09084966	10.2448632
44	0.688558034	10.4408213	1.34957517	0.19737308	0.21341681	0.00208303	0.19529205	0.49118295	0.11743	0	0	0	0.001	0.490686258	10.2434462	2.45083603	465.658845	38.8049037	0.0931263	0.09085728	10.2457152
45	0.685974628	10.4410073	1.34902705	0.19669123	0.21269059	0.00207595	0.19462704	0.48926106	0.1161												

	10	0.544416136	10.4514122	1.31531582	0.15946699	0.17242773	0.00168296	0.15778403	0.38494914	0.09210	0	0	0	0.000	0.38455699	10.2919452	2.46243984	467.86357	38.9886309	0.0931263	0.09128746	10.293784
	11	0.542340101	10.4515681	1.31476628	0.15891385	0.17129663	0.00167713	0.15723672	0.38342717	0.09174	0	0	0	0.000	0.38303657	10.2926542	2.46260948	467.895802	38.9913168	0.0931263	0.09129375	10.2944868
	12	0.540273295	10.4517235	1.31421468	0.15836245	0.17123341	0.00167131	0.15669114	0.38191085	0.09138	0	0	0	0.000	0.38152179	10.293561	2.4627786	467.927934	38.9939945	0.0931263	0.09130002	10.2951873
	13	0.538212933	10.4518785	1.31366749	0.15781279	0.17063907	0.00166551	0.15614728	0.38040015	0.09101	0	0	0	0.000	0.38001263	10.2940457	2.46294719	467.959964	38.9966538	0.0931263	0.09130627	10.2958857
	14	0.53615991	10.452033	1.31318125	0.15726486	0.17004662	0.00165972	0.15565014	0.37889055	0.09065	0	0	0	0.000	0.37850907	10.2947681	2.46311526	467.991899	38.9993249	0.0931263	0.09131125	10.2965819
	15	0.534114204	10.4521871	1.3125691	0.15671867	0.16945603	0.00165396	0.15506471	0.37739954	0.09030	0	0	0	0.000	0.37701108	10.2954684	2.46328281	468.023733	39.0019778	0.0931263	0.09131871	10.297276
	16	0.532075789	10.4523407	1.31202005	0.1561742	0.16886371	0.00164821	0.15452598	0.37590159	0.08994	0	0	0	0.000	0.37551866	10.2961665	2.46344983	468.055468	39.0046224	0.0931263	0.0913249	10.2979679
	17	0.530044642	10.4524939	1.31147109	0.15563145	0.16828045	0.00164248	0.15398896	0.37441319	0.08958	0	0	0	0.000	0.37403178	10.2968624	2.46361634	468.087105	39.0072587	0.0931263	0.09133107	10.2986577
	18	0.528027024	10.4526466	1.31092224	0.15509042	0.16769565	0.00163677	0.15345304	0.37293032	0.08923	0	0	0	0.000	0.37355042	10.2975262	2.46378223	468.118643	39.009887	0.0931263	0.09133723	10.2993453
	19	0.526004058	10.4527989	1.31037348	0.15454511	0.16711229	0.00163108	0.15292002	0.37145296	0.08887	0	0	0	0.000	0.37107456	10.2982478	2.46394781	468.150084	39.012507	0.0931263	0.09134336	10.3001008
	20	0.523994573	10.4529508	1.30982482	0.15401349	0.16653099	0.00162541	0.15238808	0.36998109	0.08852	0	0	0	0.000	0.36960418	10.2989373	2.46411727	468.181427	39.0151189	0.0931263	0.09134948	10.3007141
	21	0.521992261	10.4531022	1.30927626	0.15347758	0.16595152	0.00161975	0.15185782	0.36851469	0.08817	0	0	0	0.000	0.36813928	10.2996246	2.46427722	468.212672	39.0177226	0.0931263	0.09135557	10.3013954
	22	0.519997099	10.4532532	1.3087278	0.15294336	0.16537389	0.00161412	0.15132925	0.36705374	0.08782	0	0	0	0.000	0.36667981	10.3003098	2.46444116	468.24382	39.0203183	0.0931263	0.09136165	10.3020745
	23	0.518009063	10.4534037	1.30817944	0.15241084	0.16479809	0.00160805	0.15082035	0.36559822	0.08747	0	0	0	0.000	0.36522578	10.3009929	2.46460458	468.274871	39.0229059	0.0931263	0.09136771	10.3027515
	24	0.516028129	10.4535538	1.30763117	0.15188001	0.16422411	0.00160208	0.15027712	0.36414812	0.08713	0	0	0	0.000	0.36377716	10.3016178	2.46476155	468.305825	39.0254854	0.0931263	0.09137375	10.3034264
	25	0.514054276	10.4537035	1.307083	0.15135087	0.16365196	0.00159731	0.14975356	0.36270341	0.08678	0	0	0	0.000	0.36233332	10.3023526	2.46492929	468.336683	39.0280649	0.0931263	0.09137977	10.3040991
	26	0.512087478	10.4538527	1.30653493	0.1508234	0.16308162	0.00159174	0.14923166	0.36126408	0.08644	0	0	0	0.000	0.36089606	10.3030293	2.46509182	468.367445	39.0306204	0.0931263	0.09138577	10.3047698
	27	0.510127713	10.45400015	1.30598696	0.1502976	0.16251309	0.00158619	0.14871141	0.35983011	0.08609	0	0	0	0.000	0.35946355	10.3037039	2.46525322	468.398111	39.0331759	0.0931263	0.09139176	10.3054384
	28	0.508174958	10.4541498	1.30549339	0.14977348	0.16194637	0.00158066	0.14819282	0.35840148	0.08575	0	0	0	0.000	0.35803637	10.3043764	2.46541411	468.428681	39.0357234	0.0931263	0.09139772	10.3061049
	29	0.50629319	10.4542978	1.30489131	0.14925102	0.16138145	0.00157515	0.14767587	0.35697817	0.08541	0	0	0	0.000	0.35661451	10.3050467	2.46557451	468.459156	39.038263	0.0931263	0.09140367	10.3067694
	30	0.504290386	10.4544452	1.30434364	0.14873022	0.16081832	0.00156965	0.14716057	0.35554016	0.08507	0	0	0	0.000	0.35513795	10.305715	2.4657344	468.489536	39.0407947	0.0931263	0.09140959	10.3074117
	31	0.502358523	10.4545923	1.30379606	0.14821108	0.16025699	0.00156417	0.14664691	0.35414744	0.08473	0	0	0	0.000	0.35378667	10.3063812	2.46589379	468.519821	39.0433184	0.0931263	0.0914155	10.308092
	32	0.500433578	10.4547389	1.30324858	0.14769359	0.15969744	0.00155871	0.14613488	0.35273999	0.08440	0	0	0	0.000	0.35238065	10.3070453	2.46605269	468.550011	39.0458342	0.0931263	0.09142139	10.3087502
	33	0.498515528	10.4548851	1.30270121	0.14717775	0.15913967	0.00155327	0.14562448	0.35133778	0.08406	0	0	0	0.000	0.35097987	10.3077074	2.46621109	468.580107	39.0483422	0.0931263	0.09142727	10.3094064
	34	0.49660435	10.4550309	1.30215392	0.14666354	0.15858368	0.00154784	0.14511517	0.34994081	0.08373	0	0	0	0.000	0.34958432	10.3083673	2.46636899	468.610108	39.0508424	0.0931263	0.09143312	10.3100005
	35	0.494700022	10.4551762	1.30160674	0.14615098	0.15802945	0.00154243	0.14460855	0.34854904	0.08339	0	0	0	0.000	0.34819397	10.3090253	2.46652454	468.640016	39.0533347	0.0931263	0.09143896	10.3107126
	36	0.492802122	10.4553211	1.30109664	0.14564605	0.1574477	0.00153704	0.14410381	0.34716127	0.08305	0	0	0	0.000	0.34680282	10.3096821	2.46668321	468.669822	39.0558427	0.0931263	0.09144472	10.3113626
	37	0.490911826	10.4554656	1.30054375	0.14513075	0.1569263	0.00153166	0.14359808	0.34578108	0.08273	0	0	0	0.000	0.34542883	10.3103349	2.46683974	468.699551	39.058296	0.0931263	0.09145057	10.3120106
	38	0.489027912	10.4556097	1.29996579	0.14462307	0.15637736	0.00152631	0.14309676	0.34440484	0.08240	0	0	0	0.000	0.34405399	10.3109866	2.46699568	468.729179	39.0607649	0.0931263	0.09145635	10.3126566
	39	0.487150759	10.4557533	1.29941901	0.14411701	0.15583017	0.00152096	0.14259605	0.34303375	0.08207	0	0	0	0.000	0.3426843	10.3116363	2.46715113	468.758714	39.0632262	0.0931263	0.09146212	10.3133005
	40	0.485283042	10.4558966	1.29887232	0.14361257	0.15528473	0.00151564	0.14209693	0.34166777	0.08175	0	0	0	0.000	0.34131971	10.312284	2.46730609	468.788156	39.0656797	0.0931263	0.09146786	10.3139424
	41	0.483416641	10.4560394	1.29832574	0.14310974	0.15474103	0.00151033	0.1415994	0.34030691	0.08142	0	0	0	0.000	0.33996023	10.3129296	2.46746056	468.817506	39.0681255	0.0931263	0.09147359	10.3145823
	42	0.481559634	10.4561874	1.29779907	0.14261504	0.154219907	0.00150504	0.14110358	0.33895112	0.08110	0	0	0	0.000	0.33861942	10.3135723	2.46761455	468.848474	39.070537	0.0931263	0.09147931	10.3152202
	43	0.479709297	10.4563327	1.29723286	0.14210888	0.15365883	0.00149977	0.14060911	0.33760041	0.08077	0	0	0	0.000	0.3373255	10.3142148	2.46776805	468.879593	39.0729942	0.0931263	0.09148499	10.3158561

12	0.372737817	0.4647003	1.26193328	0.11286186	0.12203475	0.00119111	0.11167076	0.25987595	0.06218	0	0	0	0.000	0.25961122	0.3518385	2.47676985	470.586271	39.2155226	0.0931263	0.0918187	0.13531461
13	0.371281971	0.4646188	1.26139356	0.11258562	0.12159682	0.00118685	0.11127166	0.25882346	0.06193	0	0	0	0.000	0.25855979	0.3525383	2.47689422	470.609903	39.2174919	0.0931263	0.09182331	0.13536613
14	0.369831454	0.4645933	1.2608395	0.11205469	0.12115932	0.00118261	0.11087388	0.25777496	0.06167	0	0	0	0.000	0.25751208	0.3535965	2.4777528	470.634848	39.2194548	0.0931263	0.09182791	0.13541749
15	0.368368248	0.4650408	1.26031444	0.11165578	0.12072065	0.00117838	0.11047474	0.25673047	0.06143	0	0	0	0.000	0.25646893	0.3543393	2.47714178	470.656937	39.2214114	0.0931263	0.09183249	0.13546868
16	0.36663463	0.4651462	1.25977053	0.11125639	0.12029879	0.00117416	0.11008223	0.25568994	0.06118	0	0	0	0.000	0.25542047	0.35339078	2.47726495	470.680341	39.2236317	0.0931263	0.09183705	0.13551597
17	0.365511698	0.4652793	1.25923573	0.11085831	0.11968363	0.00116996	0.10968835	0.25465339	0.06093	0	0	0	0.000	0.25439397	0.3545421	2.47738773	470.703669	39.2253057	0.0931263	0.09184161	0.13557057
18	0.364082317	0.465394	1.25869653	0.11046154	0.11943934	0.00116578	0.10929576	0.25362078	0.06068	0	0	0	0.000	0.25336241	0.3549325	2.47751011	470.726921	39.2272435	0.0931263	0.09184614	0.13562126
19	0.362658176	0.4655084	1.25815743	0.11006607	0.11901173	0.0011616	0.10894447	0.2525921	0.06043	0	0	0	0.000	0.25233479	0.3555443	2.4776321	470.750099	39.2291749	0.0931263	0.09185067	0.1356718
20	0.361239256	0.4656224	1.25761843	0.10979619	0.11858553	0.00115744	0.10851446	0.25159619	0.06019	0	0	0	0.000	0.25113108	0.3559505	2.47775389	470.772201	39.2311001	0.0931263	0.09185517	0.13572216
21	0.35982554	0.4657303	1.25718794	0.10927903	0.11816072	0.0011533	0.10825274	0.25054651	0.05993	0	0	0	0.000	0.25029127	0.3564671	2.47787489	470.796232	39.2330191	0.0931263	0.09185967	0.13577337
22	0.35841701	0.4658494	1.25654075	0.10888745	0.11773732	0.00114916	0.10773829	0.24952956	0.05970	0	0	0	0.000	0.24927536	0.3569562	2.4779957	470.819312	39.2349319	0.0931263	0.09186414	0.13582242
23	0.357013649	0.4659624	1.25600206	0.10849716	0.1173153	0.00114504	0.10735212	0.24851469	0.05946	0	0	0	0.000	0.24826332	0.3574563	2.47811611	470.842061	39.2368384	0.0931263	0.09186861	0.1358723
24	0.355615439	0.4660751	1.25546348	0.10810815	0.11689468	0.00114094	0.10696722	0.24750729	0.05922	0	0	0	0.000	0.24725515	0.3579669	2.47823614	470.864866	39.2387388	0.0931263	0.09187306	0.13592202
320	0.354222362	0.4661874	1.2549525	0.10772203	0.11647544	0.00113685	0.10658358	0.24650193	0.05898	0	0	0	0.000	0.24625082	0.3584667	2.47835577	470.887597	39.2406331	0.0931263	0.09187749	0.13597158
2	0.352834402	0.4662994	1.25438662	0.10733398	0.11605759	0.00113277	0.10620211	0.24550042	0.05874	0	0	0	0.000	0.24552033	0.3589854	2.47847812	470.910254	39.2425212	0.0931263	0.09188191	0.13602098
3	0.35145154	0.466411	1.25384835	0.10694881	0.11564111	0.0011287	0.1058201	0.24450273	0.05850	0	0	0	0.000	0.24425366	0.3594622	2.47859388	470.932838	39.2444032	0.0931263	0.09188632	0.13607021
4	0.350073759	0.4665223	1.25331018	0.1065649	0.115226	0.00112465	0.10544025	0.24350886	0.05826	0	0	0	0.000	0.24326079	0.3599573	2.47871236	470.955349	39.2462791	0.0931263	0.09189071	0.13611929
5	0.348701043	0.4666332	1.25277211	0.10618226	0.11481226	0.00112061	0.10506165	0.24251878	0.05802	0	0	0	0.000	0.24227172	0.3604509	2.47883045	470.977786	39.2481488	0.0931263	0.09189509	0.13616821
6	0.347333373	0.4667438	1.25223415	0.10580089	0.11439989	0.00111659	0.1046843	0.24153249	0.05779	0	0	0	0.000	0.24128643	0.3609429	2.47894814	471.000151	39.2500126	0.0931263	0.09189945	0.13621697
7	0.345970734	0.466854	1.25166929	0.10542077	0.11398888	0.00111258	0.10430819	0.24054996	0.05755	0	0	0	0.000	0.24030491	0.3614333	2.47906549	471.022443	39.2518702	0.0931263	0.0919038	0.13626558
8	0.344613106	0.466964	1.25115854	0.10504191	0.11357923	0.00110858	0.10393333	0.2395712	0.05732	0	0	0	0.000	0.23932714	0.36191221	2.47918243	471.044663	39.2537219	0.0931263	0.09190814	0.13631402
9	0.3432460474	0.4670735	1.25062088	0.1046643	0.11317093	0.00110459	0.10355971	0.23859618	0.05709	0	0	0	0.000	0.23835312	0.3624092	2.479299	471.06681	39.2556675	0.0931263	0.09191246	0.13636231
10	0.341912821	0.4671828	1.25008333	0.10428794	0.11276397	0.00110062	0.10318732	0.23762488	0.05685	0	0	0	0.000	0.23738281	0.3628949	2.47941519	471.088885	39.2574071	0.0931263	0.09191677	0.13641044
11	0.340570129	0.4672917	1.24954589	0.10391282	0.11235837	0.00109666	0.10281616	0.23665731	0.05662	0	0	0	0.000	0.23641623	0.3633789	2.479531	471.110889	39.2592408	0.0931263	0.09192106	0.13645841
12	0.339232381	0.4674003	1.24900855	0.10353894	0.1119541	0.00109272	0.10244622	0.23569344	0.05639	0	0	0	0.000	0.23545334	0.3638613	2.47964643	471.132821	39.2610684	0.0931263	0.09192534	0.13650623
13	0.337899562	0.4675085	1.24847131	0.1031663	0.11155117	0.00108878	0.10207751	0.23473326	0.05616	0	0	0	0.000	0.23449414	0.3643422	2.4797614	471.154682	39.2628902	0.0931263	0.09192961	0.13655389
14	0.336571553	0.4676169	1.24793148	0.10279488	0.11114958	0.00108486	0.10171002	0.23376716	0.05593	0	0	0	0.000	0.23424861	0.3648216	2.47987617	471.176471	39.2647079	0.0931263	0.09193386	0.13660114
15	0.335246838	0.467724	1.24739715	0.10242471	0.11074931	0.00108096	0.10134375	0.23282338	0.05571	0	0	0	0.000	0.23398765	0.3653093	2.47999047	471.19819	39.2665518	0.0931263	0.09193831	0.13664875
16	0.33393501	0.4678313	1.24686022	0.10205576	0.11035037	0.00107706	0.10097869	0.23187474	0.05548	0	0	0	0.000	0.23363853	0.3657755	2.48010441	471.219838	39.2683198	0.0931263	0.09194232	0.13669595
17	0.332617224	0.4679382	1.2463234	0.10168803	0.10995276	0.00107318	0.10061484	0.2309292	0.05525	0	0	0	0.000	0.23036935	0.3662502	2.48021797	471.241415	39.2701179	0.0931263	0.09194653	0.13674299
18	0.331308792	0.4680448	1.24578668	0.10132151	0.10955641	0.00106931	0.1002522	0.22998728	0.05503	0	0	0	0.000	0.22975299	0.3667233	2.48033117	471.262922	39.2719011	0.0931263	0.09195073	0.13678988
19	0.330005187	0.468151	1.24525707	0.10096622	0.10916147	0.00106546	0.09990706	0.22904879	0.05480	0	0	0	0.000	0.22881564	0.3671948	2.48044399	471.284358	39.2736965	0.0931263	0.09195491	0.13683662
20	0.328702093	0.4682571	1.24471356	0.10059211	0.10875062	0.00106152	0.09953288	0.22814216	0.05457	0	0	0	0.000	0.22858187	0.3676671	2.48055674	471.305721	39.2754771	0.0931263	0.09195909	0.13688321
21	0.327412394	0.4683626	1.24417715	0.10022925	0.10835742	0.00105779	0.09917146	0.22718314	0.05436	0	0	0	0.000	0.22695171	0.3681333	2.48066854	471.327022	39.2772518	0.0931263	0.09196323	0.13692964
22	0.326123174	0.4684679	1.24364085	0.09986758	0.10798435	0.00105397	0.09881361	0.2262556	0.05413	0	0	0	0.000	0.22602511	0.3686003	2.48078026	471.34825	39.2790208	0.0931263	0.09196737	0.13697592
23	0.324838715	0.4685728	1.24310465	0.0995071	0.10759458	0.00105017	0.09845604	0.22533161	0.05391	0	0	0	0.000	0.22510206	0.3690657	2.48089162	471.369408	39.280784	0.0931263	0.0919715	0.13702205
24	0.323559001	0.4686775	1.24256856	0.09914783	0.1072061	0.00104637	0.09810145	0.22441117	0.05369	0	0	0	0.000	0.22421826	0.3695296	2.48100261	471.390497	39.2825414	0.0931263	0.09197562	0.13706803
321	0.322284017	0.4687818	1.24197895	0.09878975	0.10682182	0.00104258	0.0977415	0.22349927	0.05347	0	0	0	0.000	0.2232566	0.3700348	2.48113125	471.411517	39.2842831	0.0931263	0.09197972	0.13711186
2	0.321013746	0.4688858	1.24149668	0.09843285	0.10643302	0.00103883	0.09739402	0.22258809	0.05325	0	0	0	0.000	0.22231515	0.3705429	2.48122352	471.432468	39.286039	0.0931263	0.09198381	0.13715954
3	0.319748173	0.4689894	1.24096009	0.09807715	0.1060484	0.00103507	0.09704207	0.22167103	0.05304	0	0	0	0.000	0.22144521	0.37109123	2.48133342	471.453531	39.2877792	0.0931263	0.09198788	0.13720507
4	0.31848728	0.4690928	1.24045222	0.09772262	0.10565606	0.00103133	0.09669129	0.22076466	0.05282	0	0	0	0.000	0.22053976	0.37173701	2.48144297	471.474165	39.2895337	0.0931263	0.09199194	0.13725045
5	0.317231052	0.4691958	1.23988965	0.09736928	0.105283	0.0010276	0.09634168	0.21986177	0.05260	0	0	0	0.000	0.2196378	0.3718265	2.48155216	471.494911	39.2912426	0.0931263	0.09199599	0.13729568
6	0.315979472	0.4692985	1.23935415	0.09701711	0.10490221	0.00102389	0.09599323	0.21896236	0.05239	0	0	0	0.000	0.2187393	0.3722814	2.481661</					

14	0.252838915	10.4745667	1.20953598	0.07906836	0.08549467	0.00083446	0.0782339	0.17377055	0.04158	0	0	0	0.000	0.17359353	10.3954984	2.48721587	472.571014	39.3809179	0.031263	0.09220295	10.3964187
15	0.251827432	10.4746526	1.20090654	0.0787771	0.08518039	0.00083139	0.0779631	0.17304972	0.04140	0	0	0	0.000	0.17287344	10.3958749	2.48730596	472.588132	39.3823443	0.031263	0.09220929	10.3967919
16	0.25081975	10.4747382	1.2084772	0.07848804	0.08466718	0.00082834	0.0776597	0.17231571	0.04123	0	0	0	0.000	0.17215615	10.3962502	2.48739574	472.605191	39.383766	0.031263	0.09221262	10.3971639
17	0.249815854	10.4748216	1.20794796	0.07819916	0.08455504	0.00082529	0.07737407	0.1716165	0.04106	0	0	0	0.000	0.17144167	10.3966242	2.48748523	472.622194	39.3851329	0.031263	0.09221594	10.3975146
18	0.248815738	10.4749086	1.20741884	0.07791166	0.08424395	0.00082225	0.0770784	0.17090408	0.04089	0	0	0	0.000	0.17072098	10.396997	2.48757442	472.63914	39.386595	0.031263	0.09221925	10.3979704
19	0.247819382	10.4749934	1.20688981	0.07762493	0.08393393	0.00081923	0.0768057	0.17019445	0.04072	0	0	0	0.000	0.17002107	10.3973685	2.48766331	472.650629	39.3880024	0.031263	0.09222254	10.3982723
20	0.246826775	10.475078	1.2063609	0.07733918	0.08362495	0.00081621	0.07652297	0.16948759	0.04055	0	0	0	0.000	0.16931493	10.3977388	2.4877519	472.672862	39.3894052	0.031263	0.09222583	10.3986392
21	0.245837904	10.4751622	1.20583209	0.07705441	0.08331703	0.00081321	0.0762412	0.1687835	0.04038	0	0	0	0.000	0.16861155	10.3981078	2.4878404	472.689638	39.3908032	0.031263	0.0922291	10.399005
22	0.244852755	10.4752462	1.2053304	0.07677706	0.08301016	0.00081026	0.07596039	0.16808215	0.04022	0	0	0	0.000	0.16791098	10.3984756	2.48792862	472.706538	39.3921965	0.031263	0.09223236	10.3995827
23	0.243871316	10.4753271	1.2047748	0.07648776	0.08270431	0.00080723	0.07568053	0.16738132	0.04005	0	0	0	0.000	0.16714417	10.3988422	2.48801591	472.721802	39.3935852	0.031263	0.09223561	10.4001313
24	0.242875913	10.4754134	1.20424632	0.07620588	0.08239954	0.00080425	0.07540163	0.16668769	0.03988	0	0	0	0.000	0.16651789	10.3992075	2.48810332	472.73963	39.3949692	0.031263	0.09223885	10.4006905
1	0.241919515	10.4754966	1.20371794	0.07592496	0.08209579	0.00080129	0.07512367	0.16595945	0.03972	0	0	0	0.000	0.16582545	10.3995716	2.48819043	472.756182	39.3963485	0.031263	0.09224208	10.4009559
2	0.240949127	10.4755795	1.20318967	0.075645	0.08179307	0.00079883	0.07484667	0.16530413	0.03955	0	0	0	0.000	0.16513573	10.3999345	2.48827726	472.772679	39.3977723	0.031263	0.0922453	10.4011774
3	0.239982397	10.4756622	1.2026615	0.07536599	0.08149139	0.00079539	0.07457061	0.1646164	0.03939	0	0	0	0.000	0.16444871	10.4002962	2.48836379	472.78912	39.3990934	0.031263	0.09224851	10.4015313
4	0.239019312	10.4757446	1.20212344	0.07508794	0.08119074	0.00079245	0.07429549	0.16393137	0.03922	0	0	0	0.000	0.16376437	10.4006567	2.48844958	472.805507	39.4004689	0.031263	0.09225177	10.4015313
5	0.23805986	10.4758267	1.20160549	0.07481083	0.08089111	0.00078953	0.07402113	0.16324903	0.03906	0	0	0	0.000	0.16308272	10.4010159	2.48853599	472.821838	39.4018198	0.031263	0.09225489	10.4018873
6	0.23710407	10.4759086	1.20107765	0.07453467	0.08059251	0.00078661	0.07374806	0.16256936	0.03890	0	0	0	0.000	0.16240375	10.4013739	2.48862165	472.838114	39.4031761	0.031263	0.09225807	10.4022422
7	0.236151802	10.4759902	1.20054991	0.07425945	0.08029492	0.00078371	0.07345754	0.16189235	0.03873	0	0	0	0.000	0.16172743	10.4017308	2.48870703	472.854335	39.4045279	0.031263	0.09226123	10.4025958
8	0.23520317	10.4760716	1.20002229	0.07399834	0.08007802	0.00078082	0.07320436	0.161218	0.03857	0	0	0	0.000	0.16105376	10.4020864	2.48879212	472.870502	39.4058752	0.031263	0.09226449	10.4029483
9	0.23425812	10.4761527	1.19949476	0.07371183	0.07977029	0.00077793	0.0729339	0.16054629	0.03841	0	0	0	0.000	0.16038274	10.4024409	2.48887692	472.886615	39.4072179	0.031263	0.09226775	10.4032996
10	0.233216639	10.4762335	1.19890675	0.07349492	0.07949824	0.00077506	0.07266437	0.15987722	0.03825	0	0	0	0.000	0.15971435	10.4027941	2.48896144	472.902573	39.4085561	0.031263	0.09227067	10.4036497
11	0.232378715	10.4763141	1.19844004	0.07316795	0.07911147	0.00077219	0.07239575	0.15921077	0.03809	0	0	0	0.000	0.15904858	10.4031462	2.48904567	472.918677	39.4098988	0.031263	0.09227379	10.4039987
12	0.231444334	10.4763944	1.19791284	0.0728974	0.07882216	0.00076934	0.07212806	0.15854694	0.03793	0	0	0	0.000	0.15838543	10.403497	2.48912962	472.934627	39.411219	0.031263	0.09227697	10.4043464
13	0.230513485	10.4764745	1.19738575	0.07262777	0.07853062	0.00076649	0.07186128	0.1578571	0.03778	0	0	0	0.000	0.15772748	10.4038467	2.48921328	472.950524	39.4125437	0.031263	0.09228	10.404693
14	0.229586156	10.4765543	1.19685887	0.07235907	0.07824008	0.00076365	0.07159542	0.15727209	0.03762	0	0	0	0.000	0.15706692	10.4041952	2.48929667	472.966367	39.4138639	0.031263	0.09228309	10.4050434
15	0.228662333	10.4766388	1.19633189	0.07209129	0.07795053	0.00076083	0.07133046	0.15668769	0.03746	0	0	0	0.000	0.15641154	10.4045426	2.48937977	472.982157	39.4151797	0.031263	0.09228617	10.4053827
16	0.227742004	10.4767211	1.19580513	0.07182462	0.07765981	0.00075791	0.07106641	0.156017	0.03735	0	0	0	0.000	0.15570411	10.4048987	2.48946327	472.997891	39.4164912	0.031263	0.09228929	10.4057258
17	0.226825157	10.4767922	1.19528792	0.07155847	0.07737441	0.00075521	0.07080327	0.15526669	0.03715	0	0	0	0.000	0.15510851	10.4052342	2.48954571	473.013576	39.417798	0.031263	0.09229231	10.4060677
18	0.225911781	10.476871	1.1947519	0.07129343	0.07708783	0.00075241	0.07054102	0.15461835	0.03699	0	0	0	0.000	0.15446084	10.4055776	2.4896274	473.029206	39.4191005	0.031263	0.09229535	10.4064085
19	0.225001862	10.4769495	1.19422546	0.0710293	0.07680223	0.00074962	0.07027968	0.15397256	0.03684	0	0	0	0.000	0.15381571	10.4059202	2.48970939	473.044784	39.4203987	0.031263	0.09229839	10.4067481
20	0.224095388	10.4770278	1.19369912	0.07076607	0.07651761	0.00074684	0.07001923	0.15329586	0.03663	0	0	0	0.000	0.15317312	10.4062617	2.48979171	473.060309	39.4216924	0.031263	0.09230142	10.4070866
21	0.223192348	10.4771058	1.19317289	0.07050375	0.07623397	0.00074407	0.06975968	0.1526886	0.03653	0	0	0	0.000	0.15253035	10.4066021	2.48987253	473.075781	39.4229618	0.031263	0.09230444	10.407424
22	0.222292729	10.4771832	1.19264519	0.07024131	0.07595929	0.00074131	0.06950151	0.1520504	0.03638	0	0	0	0.000	0.15189521	10.4069247	2.48995451	473.091321	39.4242658	0.031263	0.09230745	10.4077602
23	0.221396518	10.4772612	1.19212075	0.0699818	0.07566959	0.00073857	0.06924323	0.1514172	0.03623	0	0	0	0.000	0.15126047	10.4072794	2.49003458	473.10657	39.4255475	0.031263	0.09231045	10.4080952
24	0.220503706	10.4773385	1.19159484	0.06972216	0.07538886	0.00073583	0.06898634	0.15078154	0.03608	0	0	0	0.000	0.15062794	10.4076163	2.49011519	473.121886	39.4268238	0.031263	0.09231344	10.4084291
1	0.219614278	10.4774155	1.19106904	0.06946342	0.07510909	0.00073309	0.06873033	0.1501185	0.03592	0	0	0	0.000	0.14999789	10.4079521	2.49019553	473.13715	39.4280958	0.031263	0.09231642	10.408762
2	0.21872823	10.4774923	1.19053375	0.06920557	0.07483028	0.00073037	0.0684752	0.1495257	0.03577	0	0	0	0.000	0.14937033	10.4082867	2.49027559	473.152363	39.4293635	0.031263	0.09231938	10.4090936
3	0.21784563	10.4775698	1.19000776	0.06894524	0.07455263	0.00072766	0.06822094	0.14889693	0.03562	0	0	0	0.000	0.14874512							

16	0.169908015	0.4817979	1.15816237	0.05484387	0.05930132	0.0005788	0.05426506	0.11506415	0.02753	0	0	0	0.0000	0.11494693	0.1426954	2.49474191	474.000963	39.50000802	0.0931263	0.09248496	10.4275953
17	0.169211994	0.4818604	1.15764353	0.05463673	0.05907735	0.00057662	0.05406011	0.11457526	0.02741	0	0	0	0.0000	0.11445854	0.14272237	2.49480643	474.013222	39.50110118	0.0931263	0.09248773	10.4278626
18	0.168518657	0.4819227	1.15712481	0.05443033	0.05885417	0.00055447	0.05385359	0.11408833	0.02730	0	0	0	0.0000	0.11397121	0.14274924	2.49480703	474.025438	39.50211998	0.0931263	0.09248894	10.4281229
19	0.167827994	0.4819849	1.15660619	0.05422464	0.05862177	0.00057227	0.05365237	0.11360335	0.02718	0	0	0	0.0000	0.11348762	0.14277602	2.4949348	474.037613	39.50311344	0.0931263	0.09249211	10.4318944
20	0.167139995	0.4824068	1.15608769	0.05401968	0.05841015	0.00057011	0.05344957	0.11312032	0.02707	0	0	0	0.0000	0.11300508	0.14280271	2.49499866	474.040745	39.5041454	0.0931263	0.09249448	10.4286589
21	0.166454652	0.4821085	1.15556929	0.05381544	0.05818931	0.00056795	0.05324749	0.11263921	0.02695	0	0	0	0.0000	0.11252447	0.14282931	2.49506229	474.061835	39.5051529	0.0931263	0.09249684	10.4289225
22	0.165771955	0.48217	1.155051	0.05361191	0.05796924	0.0005658	0.05304611	0.11216004	0.02684	0	0	0	0.0000	0.11204578	0.14285581	2.4951257	474.073884	39.506157	0.0931263	0.09249919	10.4291852
23	0.165091894	0.4822313	1.15453283	0.0534091	0.05774994	0.00056366	0.05284544	0.11168279	0.02672	0	0	0	0.0000	0.11156092	0.14288222	2.4951889	474.085891	39.5071575	0.0931263	0.09250153	10.4294947
24	0.164414459	0.4823244	1.15401476	0.0532037	0.05753162	0.00056153	0.05265447	0.11120661	0.02661	0	0	0	0.0000	0.11109717	0.14289854	2.49525187	474.097855	39.5081546	0.0931263	0.09250386	10.4297079
25	0.163779941	0.482353	1.15349481	0.05300561	0.05731367	0.0005594	0.05244621	0.11073403	0.02649	0	0	0	0.0000	0.11062122	0.14293477	2.49531463	474.109779	39.5091483	0.0931263	0.09250619	10.4299678
26	0.163067431	0.4824214	1.15297896	0.05280493	0.05709667	0.00055729	0.05224765	0.1102625	0.02638	0	0	0	0.0000	0.11015017	0.14296091	2.49537717	474.121662	39.5103185	0.0931263	0.09250851	10.4302269
27	0.16239782	0.4824746	1.15246123	0.05260496	0.05688045	0.00055518	0.05204978	0.10979286	0.02627	0	0	0	0.0000	0.10968101	0.14298696	2.49543949	474.133503	39.5111253	0.0931263	0.09251082	10.4304851
28	0.161730797	0.4825349	1.1519436	0.05240569	0.05666498	0.00055307	0.05185261	0.10932511	0.02616	0	0	0	0.0000	0.10921374	0.14301292	2.4955016	474.145303	39.5121086	0.0931263	0.09251312	10.4307423
29	0.161066353	0.482595	1.15142608	0.05220712	0.05645027	0.00055098	0.05165614	0.10885924	0.02605	0	0	0	0.0000	0.10874834	0.14303878	2.49556349	474.157062	39.5130085	0.0931263	0.09251542	10.4309987
30	0.160404448	0.4826549	1.15090868	0.05200924	0.05623631	0.00054809	0.05146036	0.10839524	0.02593	0	0	0	0.0000	0.10824841	0.14306456	2.49562516	474.168781	39.5140651	0.0931263	0.09251777	10.4312342
31	0.159745168	0.4827146	1.15039138	0.05181207	0.05602311	0.00054608	0.05126526	0.1079331	0.02582	0	0	0	0.0000	0.10782315	0.14309025	2.49568662	474.180459	39.5150382	0.0931263	0.09251998	10.4315058
32	0.159088408	0.4827741	1.1498742	0.05161559	0.05581066	0.00054473	0.05107085	0.10747282	0.02571	0	0	0	0.0000	0.10736334	0.14311585	2.49574787	474.192096	39.516008	0.0931263	0.09252225	10.4317625
33	0.15843419	0.4828334	1.14935712	0.0514198	0.05559896	0.00054267	0.05087713	0.10701439	0.02560	0	0	0	0.0000	0.10690537	0.14314136	2.49580891	474.203693	39.5169744	0.0931263	0.09252452	10.4320154
34	0.157782506	0.4828925	1.14884016	0.0512247	0.05538801	0.00054061	0.05068409	0.1065578	0.02549	0	0	0	0.0000	0.10644925	0.14316678	2.49586934	474.215249	39.5179374	0.0931263	0.09252677	10.4322674
35	0.157133345	0.4829514	1.14832331	0.05103029	0.05517779	0.00053856	0.05049173	0.10610306	0.02539	0	0	0	0.0000	0.10599497	0.14319122	2.49593934	474.226765	39.5188971	0.0931263	0.09252902	10.4325184
36	0.1564867	0.4830102	1.14780656	0.05083656	0.05496832	0.00053651	0.0503005	0.10565014	0.02538	0	0	0	0.0000	0.10554251	0.14321736	2.49599075	474.238242	39.5198535	0.0931263	0.09253126	10.4327687
37	0.15584256	0.4830687	1.14728993	0.05064352	0.05475959	0.00053448	0.05010905	0.10519094	0.02517	0	0	0	0.0000	0.10509187	0.14324252	2.49605094	474.249678	39.5208065	0.0931263	0.09253349	10.433018
38	0.155200918	0.483127	1.1467734	0.05045116	0.05455516	0.00053245	0.04991871	0.10474976	0.02506	0	0	0	0.0000	0.10464305	0.14326759	2.49611092	474.261075	39.5217562	0.0931263	0.09253571	10.4332665
39	0.154561763	0.4831852	1.14625699	0.05025948	0.05434433	0.00053042	0.04972906	0.10430229	0.02496	0	0	0	0.0000	0.10419603	0.14329257	2.49617069	474.272432	39.5227076	0.0931263	0.09253793	10.4335141
40	0.153925087	0.4832431	1.14574069	0.05006487	0.0541378	0.00052841	0.04954007	0.10385662	0.02485	0	0	0	0.0000	0.10375082	0.14331747	2.49623026	474.283749	39.5236458	0.0931263	0.09254014	10.4337608
41	0.15329088	0.4833009	1.1452245	0.04987814	0.053932	0.0005264	0.04935174	0.10341274	0.02474	0	0	0	0.0000	0.10330739	0.14334228	2.49628962	474.295027	39.5245856	0.0931263	0.09254234	10.4340067
42	0.152659115	0.4833588	1.14470841	0.04968048	0.0537269	0.0005244	0.04916408	0.10297676	0.02463	0	0	0	0.0000	0.10316481	0.14336712	2.4963487	474.306266	39.5255232	0.0931263	0.09254452	10.4342518
43	0.152029842	0.4834158	1.14419844	0.04949949	0.05352258	0.0005224	0.04897709	0.10253305	0.02453	0	0	0	0.0000	0.10242459	0.14339323	2.49640771	474.317465	39.5264554	0.0931263	0.09254671	10.4344959
44	0.151402991	0.483473	1.14367658	0.04931117	0.05331895	0.00052041	0.04879076	0.10209182	0.02443	0	0	0	0.0000	0.10198782	0.14341619	2.49646645	474.328626	39.5273855	0.0931263	0.09254889	10.4347393
45	0.150778575	0.48353	1.14316083	0.04912352	0.05311605	0.00051843	0.04860508	0.10165506	0.02432	0	0	0	0.0000	0.1015515	0.14344065	2.49652499	474.339748	39.5283123	0.0931263	0.09255106	10.4349817
46	0.150156585	0.4835868	1.14264519	0.04893652	0.05291386	0.00051646	0.04842006	0.10122006	0.02422	0	0	0	0.0000	0.10111695	0.14346503	2.49658332	474.35083	39.5292539	0.0931263	0.09255322	10.4352234
47	0.14953701	0.4836434	1.14212966	0.04875019	0.05271238	0.00051449	0.04821357	0.10078682	0.02411	0	0	0	0.0000	0.10068414	0.14348932	2.49664144	474.361875	39.5301562	0.0931263	0.09255538	10.4354642
48	0.148919844	0.4836952	1.14162412	0.04856952	0.05251162	0.00051253	0.048051309	0.10035132	0.02401	0	0	0	0.0000	0.10058961	0.14351337	2.49670017	474.373288	39.5310793	0.0931263	0.09255753	10.4356794
49	0.148350577	0.4837561	1.14109894	0.04837951	0.05231157	0.00051058	0.04786893	0.09992557	0.02391	0	0	0	0.0000	0.09998237	0.14353766	2.49675709	474.383847	39.5319873	0.0931263	0.09255967	10.4359432
50	0.1476927	0.4838122	1.14058374	0.04819515	0.05211223	0.00050864	0.04768652	0.09949755	0.02381	0	0	0	0.0000	0.099939619	0.1435617	2.49681461	474.394776	39.532898	0.0931263	0.0925618	10.4361815
51	0.147082705	0.483868	1.14006865	0.04801145	0.05191359	0.00050667	0.04750475	0.09907126	0.02370	0	0	0	0.0000	0.09897033	0.14358566	2.49687193	474.405667	39.5338056	0.0931263	0.09256392	10.4364619
52	0.146475083	0.4839217	1.13955368	0.04782839	0.05171566	0.00050477	0.04732363	0.09864669	0.02360	0	0	0	0.0000	0.0985462	0.14360933	2.49692905	474.41652	39.53471	0.0931263	0.09256604	10.4366556
53	0.145890825	0.4839782	1.13902754	0.04764593	0.05151983	0.00050294	0.04713415	0.09821237	0.02350	0	0	0	0.0000	0.09836648	0.14363332	2.49698617	474.427334	39.5356112	0.0931263	0.09256818	10.4368974
54	0.145266923	0.4840345	1.13852406	0.04746423	0.0513219	0.00050092	0.04696331	0.09780269	0.02340	0	0	0	0.0000	0.097770306	0.14365703	2.49704269	474.438111	39.5365093	0.0931263	0.09257025	10.4371263
55	0.144666368	0.4840896	1.13800941	0.04728312	0.05112607	0.00049901	0.0467841	0.09737385	0.02330	0	0	0	0.0000	0.097278405	0.14368085	2.49709921	474.448851	39.5374042	0.0931263	0.09257235	10.4373605
56	0.144068152	0.4841446	1.13749488	0.04710264	0.05093039	0.00049711	0.04660554	0.09696551	0.02320	0	0	0	0.0000	0.09686673	0.14370419	2.49715554	474.459552	39.538296	0.0931263	0.09257444	10.4375938
57	0.143472266	0.4841993	1.13698046	0.04692281	0.05073648	0.00049521	0.0464276	0.09654945	0.02310	0	0	0	0.0000	0.0964511	0.14372765	2.49721167	474.470216	39.5391847	0.0931263	0.09257652	10.4378263
58	0.142878702	0.4842539	1.13646615	0.04674362	0.05055427	0.00049332	0.0462503	0													

18	0.113095433	10.4870346	1.10784246	0.0376662	0.04072753	0.00039752	0.03726868	0.07542924	0.01805	0	0	0	0.000	0.0753524	10.4493684	2.50010474	475.019901	39.5849918	0.0931263	0.09268377	10.4498109
19	0.112621075	10.4870796	1.10733451	0.03752014	0.04056961	0.00039598	0.03712417	0.07510093	0.01797	0	0	0	0.000	0.07502443	10.4495594	2.50015046	475.028587	39.5857156	0.0931263	0.09268547	10.4500003
20	0.112148594	10.4871244	1.10682667	0.03737462	0.04041225	0.00039444	0.03698018	0.07477397	0.01789	0	0	0	0.000	0.07466978	10.4497498	2.50019601	475.037242	39.5864568	0.0931263	0.09268716	10.450189
21	0.111577981	10.4871691	1.10618084	0.03722962	0.04025547	0.00039291	0.03683671	0.07444836	0.01781	0	0	0	0.000	0.07437252	10.4499195	2.5002414	475.045866	39.5871555	0.0931263	0.09268884	10.450377
22	0.11120923	10.4872137	1.10581133	0.03708514	0.04009925	0.00039138	0.03669376	0.07412409	0.01773	0	0	0	0.000	0.07404857	10.4501285	2.50028663	475.054459	39.5878716	0.0931263	0.09269051	10.4505643
23	0.110742335	10.4872581	1.10530383	0.03694119	0.0399436	0.00038987	0.03655133	0.07380114	0.01766	0	0	0	0.000	0.07372596	10.4503169	2.50033169	475.063021	39.5885851	0.0931263	0.09269218	10.450751
24	0.110277287	10.4873023	1.10479644	0.03679776	0.03978851	0.00038835	0.03640941	0.07347953	0.01758	0	0	0	0.000	0.07340467	10.4505046	2.5003766	475.071553	39.5892961	0.0931263	0.09269385	10.450937
332	1	0.109814081	10.4873464	1.10428917	0.03665485	0.03963398	0.0362684	0.07315923	0.01750	0	0	0	0.000	0.07308471	10.4506916	2.50042134	475.080055	39.5900046	0.0931263	0.09269551	10.4511224
	2	0.109352171	10.4873905	1.103782	0.03651245	0.03948001	0.03613854	0.07304066	0.01743	0	0	0	0.000	0.07276606	10.4508779	2.50046958	475.088626	39.5907105	0.0931263	0.09269716	10.4513071
	3	0.108931166	10.4874342	1.10327495	0.03637057	0.0393266	0.03603884	0.07290673	0.01735	0	0	0	0.000	0.07244872	10.4510649	2.50051035	475.096967	39.5914139	0.0931263	0.09269881	10.4514911
	4	0.108435444	10.4874778	1.10276801	0.0362292	0.03917374	0.0358225	0.072720624	0.01728	0	0	0	0.000	0.07213268	10.4512486	2.50055462	475.105378	39.5921148	0.0931263	0.09270045	10.4516745
	5	0.107979535	10.4875214	1.10226119	0.03608835	0.03902144	0.03580806	0.07250748	0.01720	0	0	0	0.000	0.07181795	10.4514133	2.50059873	475.113758	39.5928132	0.0931263	0.09270208	10.4518572
	6	0.107525434	10.4875647	1.10175447	0.035948	0.0388669	0.03579398	0.07157743	0.01713	0	0	0	0.000	0.07150451	10.4516167	2.50064268	475.122109	39.5935091	0.0931263	0.09270371	10.4520393
	7	0.107073134	10.4876079	1.10124787	0.03580817	0.03871849	0.03577991	0.07134206	0.01705	0	0	0	0.000	0.07119327	10.4517997	2.50068647	475.13043	39.5942025	0.0931263	0.09270534	10.4522207
	8	0.10652628	10.487651	1.10074138	0.03566804	0.03856784	0.03562815	0.07109438	0.01698	0	0	0	0.000	0.07088151	10.4519821	2.50073011	475.138721	39.5948934	0.0931263	0.09270695	10.4524015
	9	0.106173909	10.4876939	1.100235	0.03553002	0.03841773	0.03549747	0.07073359	0.01690	0	0	0	0.000	0.07057193	10.4521639	2.50077359	475.146983	39.5955819	0.0931263	0.09270857	10.4525816
	10	0.105726971	10.4877366	1.09972874	0.0353917	0.03826187	0.03537351	0.07033527	0.01683	0	0	0	0.000	0.07026362	10.4523449	2.50081692	475.155215	39.5962679	0.0931263	0.09271017	10.4527611
11	0.105281807	10.4877793	1.09922259	0.03525238	0.03811915	0.03807206	0.03488182	0.07002793	0.01675	0	0	0	0.000	0.06995659	10.4525254	2.50086009	475.163417	39.5969514	0.0931263	0.09271177	10.4529398
12	0.104838411	10.4878217	1.09871655	0.03511656	0.03797067	0.03803761	0.03474595	0.06972185	0.01668	0	0	0	0.000	0.06965082	10.4527052	2.50090313	475.171759	39.5976325	0.0931263	0.09271337	10.4531181
13	0.104396776	10.4878641	1.09821063	0.03497974	0.03782723	0.03780915	0.03461058	0.06944703	0.01661	0	0	0	0.000	0.06934632	10.4528843	2.50094597	475.179734	39.5983111	0.0931263	0.09271496	10.4532957
14	0.103956895	10.4879062	1.09770481	0.03484342	0.03767533	0.03760373	0.03447569	0.06911348	0.01654	0	0	0	0.000	0.06904307	10.4530628	2.50098868	475.187848	39.5989874	0.0931263	0.09271654	10.4534726
15	0.103518762	10.4879483	1.09719911	0.03470759	0.03752846	0.03736629	0.0343413	0.06881117	0.01646	0	0	0	0.000	0.06874107	10.4532407	2.50103123	475.195934	39.5996612	0.0931263	0.09271812	10.4536489
16	0.103082371	10.4879902	1.09669353	0.03457226	0.03738213	0.03736486	0.03420739	0.06851011	0.01639	0	0	0	0.000	0.06844032	10.4534179	2.50107363	475.20399	39.6003325	0.0931263	0.09271969	10.4538245
17	0.102647715	10.4880319	1.09618805	0.03443742	0.03723633	0.03703634	0.03407398	0.0682103	0.01632	0	0	0	0.000	0.06814081	10.4535945	2.50111588	475.212018	39.6010015	0.0931263	0.09272126	10.4539995
18	0.102214787	10.4880735	1.09568269	0.03430307	0.03709106	0.03636202	0.03394104	0.06791172	0.01625	0	0	0	0.000	0.06784254	10.4537704	2.50115798	475.220017	39.6016681	0.0931263	0.09272282	10.4541739
19	0.101778581	10.488115	1.09517744	0.0341602	0.03694632	0.03630661	0.03380859	0.06761438	0.01618	0	0	0	0.000	0.06764555	10.4539428	2.50119993	475.227987	39.6023322	0.0931263	0.09272437	10.4543447
20	0.101354091	10.4881567	1.0946723	0.03402583	0.03680021	0.03615632	0.033674967	0.06731821	0.01611	0	0	0	0.000	0.06747212	10.4541265	2.50124173	475.235933	39.6029394	0.0931263	0.09272592	10.4545108
21	0.10092631	10.4881975	1.09416728	0.03390294	0.03665841	0.03600378	0.03354514	0.06702337	0.01604	0	0	0	0.000	0.0669551	10.4542405	2.50128384	475.243841	39.6036534	0.0931263	0.09272746	10.4546934
22	0.100500232	10.4882385	1.09366237	0.03377053	0.03651524	0.03583564	0.03341413	0.0667297	0.01597	0	0	0	0.000	0.06666172	10.4544468	2.50132487	475.251726	39.6043105	0.0931263	0.092729	10.4548653
23	0.10007585	10.4882794	1.09315757	0.03363861	0.0363726	0.03563501	0.03328359	0.06643724	0.01590	0	0	0	0.000	0.06636956	10.4546408	2.50136622	475.259582	39.6049652	0.0931263	0.09273054	10.4550366
24	0.099653159	10.4883202	1.09265289	0.03350716	0.03623047	0.03553562	0.03315354	0.066146	0.01583	0	0	0	0.000	0.06607861	10.4548413	2.50140472	475.26741	39.6056175	0.0931263	0.09273206	10.4552072
25	0.099232152	10.4883608	1.09214831	0.0333762	0.03608886	0.03535224	0.03302396	0.06585955	0.01576	0	0	0	0.000	0.06578887	10.4549486	2.50144487	475.27521	39.6062675	0.0931263	0.09273347	10.4553773
26	0.098812822	10.4884036	1.09164398	0.03324577	0.03593591	0.03513086	0.03289403	0.06555611	0.01569	0	0	0	0.000	0.06569817	10.4550912	2.50148696	475.283282	39.6069052	0.0931263	0.09273491	10.4555497
27	0.098395164	10.4884416	1.09113951	0.0331157	0.03580719	0.0349449	0.03276621	0.06527947	0.01562	0	0	0	0.000	0.06521297	10.4553259	2.50153014	475.290726	39.6076505	0.0931263	0.09273661	10.4557156
28	0.097979171	10.4884818	1.09063528	0.03298616	0.03566712	0.03481813	0.03263803	0.06499301	0.01555	0	0	0	0.000	0.0649268	10.4554956	2.50157075	475.298442	39.6082035	0.0931263	0.09273812	10.4558838
29	0.097564836	10.4885218	1.09013116	0.0328571	0.03552757	0.034676	0.03251033	0.06470774	0.01548	0	0	0	0.000	0.06464482	10.4556647	2.50161211	475.30613	39.6088442	0.0931263	0.09273962	10.4560514
30	0.097152155	10.4885618	1.08962715	0.0327285	0.03538852	0.0345451	0.03238309	0.064442365	0.01541	0	0	0	0.000	0.06447584	10.4558490	2.5016517	475.313379	39.6094825	0.0931263	0.09274111	10.4562184
31	0.09674112	10.4885936	1.0891326	0.03260938	0.03524948	0.0344045	0.03225632	0.064175	0.01535	0	0	0	0.000	0.06429754	10.4560312	2.50169167	475.321421	39.6101166	0.0931263	0.0927426	10.4563889
32	0.096331725	10.4886412	1.08863948	0.0324772	0.03511195	0.0342471	0.03213001	0.06385901	0.01528	0	0	0	0.000	0.06417935	10.4562165	2.50173173	475.329029	39.6107524	0.0931263	0.09274409	10.4565507
33	0.095923965	10.4886807	1.0881158	0.03234553	0.03497442	0.0340136	0.03200416	0.06357844	0.01521	0	0	0	0.000	0.06351367	10.4563352	2.50177161	475.336607	39.6113839	0.0931263	0.09274556	10.4567159
34	0.095517832	10.4887201	1.08761225	0.0322188	0.0348374	0.03403403	0.03187878	0.06329903	0.01514	0	0	0	0.000	0.06323455	10.4565033	2.50181136	475.344158	39.6120131	0.0931263	0.09274704	10.4568805
35	0.095113322	10.4887593	1.08710881	0.03209254	0.03470087	0.0338869	0.03175384	0.06302078	0.01508	0	0	0	0.000	0.06292568	10.4566668	2.50185095	475.351881	39.6126401	0.0931263	0.09274851	10.4570446
36	0.094710428	10.4887984	1.08660548	0.03196674	0.03456485	0.033737	0.03162937	0.06274369	0.01501	0	0	0	0.000	0.06267977	10.45						

20	0.074549493	10.4907846	1.05860037	0.02561249	0.02769415	0.00027031	0.02534218	0.04893701	0.011771	0	0	0	0.0000	0.04888715	10.4651721	2.50388593	475.738326	39.64484605	0.0931263	0.09282395	10.4654744
21	0.074229334	10.4908166	1.05810352	0.02551057	0.02758395	0.00026923	0.02524134	0.04871877	0.011660	0	0	0	0.0000	0.04866914	10.4653061	2.50391798	475.744416	39.645368	0.0931263	0.09282513	10.4656072
22	0.073910474	10.4908486	1.0576068	0.02540902	0.02747415	0.00026816	0.02514087	0.04850145	0.011610	0	0	0	0.0000	0.04845204	10.4654395	2.50394992	475.750484	39.6458737	0.0931263	0.09282632	10.4657395
23	0.073592906	10.4908804	1.05711018	0.02530766	0.02736476	0.00026709	0.02504077	0.04830505	0.01155	0	0	0	0.0000	0.04823586	10.4655725	2.50398173	475.756531	39.6463775	0.0931263	0.09282775	10.4658713
24	0.073276627	10.4909121	1.05661368	0.02520707	0.02725579	0.00026603	0.02494104	0.04809656	0.01150	0	0	0	0.0000	0.04802059	10.465705	2.50401344	475.762553	39.6468794	0.0931263	0.09282867	10.4660026
1	0.072961631	10.4909437	1.0561173	0.02510666	0.02714721	0.00026497	0.02484169	0.04785497	0.01145	0	0	0	0.0000	0.04780622	10.465837	2.50404502	475.768554	39.6473795	0.0931263	0.09282984	10.4661335
2	0.072647913	10.4909752	1.05562102	0.02500662	0.02703904	0.00026391	0.02474271	0.04764129	0.01140	0	0	0	0.0000	0.04757926	10.4659686	2.50407649	475.774533	39.6478778	0.0931263	0.09283101	10.4662639
3	0.072335468	10.4910066	1.05512487	0.02490065	0.02693127	0.00026286	0.02464409	0.04742852	0.01135	0	0	0	0.0000	0.04738002	10.4660996	2.50410785	475.780491	39.6483742	0.0931263	0.09283217	10.4663937
4	0.072024293	10.4910378	1.05468383	0.02480766	0.02682391	0.00026181	0.02454584	0.04721664	0.011300	0	0	0	0.0000	0.04716854	10.4662302	2.50413908	475.786426	39.6488688	0.0931263	0.09283333	10.4665211
5	0.071714138	10.491060	1.0541329	0.02470873	0.02671694	0.00026077	0.02444776	0.04700565	0.01125	0	0	0	0.0000	0.04695777	10.4663609	2.50417021	475.792333	39.6493616	0.0931263	0.09283449	10.4666521
6	0.071405727	10.4911	1.05363708	0.02461017	0.02661037	0.00025973	0.02435044	0.04679556	0.01120	0	0	0	0.0000	0.04674788	10.4664689	2.50420122	475.798231	39.6498526	0.0931263	0.09283563	10.4667805
7	0.071098329	10.491131	1.05314139	0.02451198	0.02650542	0.00025869	0.02425329	0.04658365	0.01115	0	0	0	0.0000	0.04653889	10.4666619	2.50423211	475.804101	39.6503418	0.0931263	0.09283678	10.4669085
8	0.070792179	10.4911618	1.0526458	0.02441416	0.02639843	0.00025766	0.0241565	0.04637802	0.01110	0	0	0	0.0000	0.04633078	10.4667476	2.50426289	475.80995	39.6508292	0.0931263	0.09283792	10.467036
9	0.070487274	10.4911925	1.05215033	0.0243167	0.02629305	0.00025663	0.02406007	0.04617058	0.01105	0	0	0	0.0000	0.04612354	10.4668758	2.50429356	475.815777	39.6513147	0.0931263	0.09283906	10.4671631
10	0.070186509	10.4912221	1.05165498	0.02421286	0.02618806	0.00025561	0.023964	0.04596401	0.01100	0	0	0	0.0000	0.04591718	10.4670035	2.50432432	475.821582	39.6517985	0.0931263	0.09284013	10.4672896
11	0.069881179	10.4912536	1.05115974	0.02412287	0.02608346	0.00025458	0.02386828	0.04575831	0.01095	0	0	0	0.0000	0.04571717	10.4671308	2.50435456	475.827367	39.6522005	0.0931263	0.09284132	10.4674518
12	0.06957998	10.491284	1.05066461	0.0240265	0.02597926	0.00025357	0.02377293	0.04555348	0.01090	0	0	0	0.0000	0.04550708	10.4672575	2.50438489	475.833129	39.6527608	0.0931263	0.09284244	10.4675414
13	0.069280006	10.4913143	1.0501696	0.02393048	0.02587544	0.00025255	0.02367793	0.04534952	0.01085	0	0	0	0.0000	0.04530333	10.4673838	2.50441511	475.838871	39.6532393	0.0931263	0.09284356	10.4676666
14	0.068981254	10.4913445	1.0496747	0.02383483	0.02577201	0.00025155	0.02358328	0.04514642	0.01080	0	0	0	0.0000	0.04510043	10.4675097	2.50444522	475.844591	39.6537116	0.0931263	0.09284468	10.4677913
15	0.068683717	10.4913746	1.04917992	0.02373953	0.02566897	0.00025054	0.02348899	0.04494419	0.01075	0	0	0	0.0000	0.0448984	10.4676351	2.50447521	475.850291	39.6541909	0.0931263	0.09284579	10.4679156
16	0.068387393	10.4914046	1.04868525	0.02364659	0.02556631	0.00024954	0.02339505	0.04474428	0.01071	0	0	0	0.0000	0.04469722	10.46776	2.50450551	475.855969	39.6546641	0.0931263	0.09284689	10.4680394
17	0.068092276	10.4914344	1.0481907	0.02355	0.02546404	0.00024854	0.02330147	0.04454227	0.01066	0	0	0	0.0000	0.0444969	10.4678844	2.50453488	475.861627	39.6551355	0.0931263	0.092848	10.4681627
18	0.067798361	10.4914642	1.04769626	0.02345621	0.02536215	0.00024754	0.02320823	0.04434259	0.01061	0	0	0	0.0000	0.04429742	10.4680084	2.50456454	475.867263	39.6556053	0.0931263	0.0928491	10.4682856
19	0.067505644	10.4914938	1.04720194	0.02336189	0.02526604	0.00024655	0.02311534	0.04414375	0.01056	0	0	0	0.0000	0.04400978	10.4681319	2.5045941	475.872879	39.6560732	0.0931263	0.0928502	10.468408
20	0.06721412	10.4915234	1.04670773	0.02326836	0.02515951	0.00024557	0.0230228	0.04394576	0.01051	0	0	0	0.0000	0.04390099	10.468255	2.50462355	475.878474	39.6565393	0.0931263	0.09285129	10.46853
21	0.066923786	10.4915528	1.04621364	0.02317518	0.02505876	0.00024458	0.0229306	0.0437486	0.01047	0	0	0	0.0000	0.04370403	10.4683726	2.50465288	475.884048	39.657004	0.0931263	0.09285238	10.4686516
22	0.066623435	10.4915822	1.04571966	0.02308388	0.02496338	0.00024346	0.02283879	0.0435522	0.01042	0	0	0	0.0000	0.04350791	10.4684963	2.50468218	475.889601	39.6575248	0.0931263	0.09285346	10.4687756
23	0.066345664	10.4916114	1.0452528	0.02298987	0.02486588	0.00024263	0.02274724	0.04335679	0.01037	0	0	0	0.0000	0.04331262	10.4686215	2.50471124	475.895133	39.6579279	0.0931263	0.09285454	10.4688933
24	0.066059869	10.4916405	1.04473205	0.02289774	0.02475876	0.00024166	0.02265608	0.04316213	0.01033	0	0	0	0.0000	0.04311816	10.4687428	2.50474025	475.900648	39.6583873	0.0931263	0.09285562	10.4690135
1	0.065774244	10.4916696	1.04423841	0.02280594	0.02464551	0.00024069	0.02256526	0.0429683	0.01028	0	0	0	0.0000	0.04292453	10.4688636	2.50476916	475.90614	39.658845	0.0931263	0.09285669	10.4691332
2	0.065489785	10.4916985	1.04374489	0.0227145	0.02454603	0.00023972	0.02247478	0.04277529	0.01023	0	0	0	0.0000	0.04273171	10.4689894	2.50479796	475.911612	39.659301	0.0931263	0.09285776	10.4692525
3	0.065206488	10.4917273	1.04325149	0.02262339	0.02446212	0.00023876	0.02238463	0.04258309	0.01019	0	0	0	0.0000	0.04253971	10.4691039	2.50482665	475.917064	39.6597553	0.0931263	0.09285882	10.4693714
4	0.064923448	10.4917561	1.04274281	0.02252967	0.02436903	0.0002378	0.02229453	0.04239172	0.01014	0	0	0	0.0000	0.04234521	10.469228	2.50485526	475.922498	39.660208	0.0931263	0.09285993	10.4694985
5	0.064643361	10.4917846	1.04225603	0.02244221	0.02426621	0.00023685	0.02220536	0.04220115	0.01010	0	0	0	0.0000	0.04215816	10.4693424	2.50488372	475.927907	39.6606589	0.0931263	0.09286094	10.4696078
6	0.064363522	10.4918132	1.04177197	0.02235212	0.0241688	0.0002359	0.02211623	0.0420114	0.01005	0	0	0	0.0000	0.0419686	10.4694461	2.5049121	475.933298	39.6611082	0.0931263	0.09286199	10.4697254
7	0.064084828	10.4918416	1.04127902	0.02226238	0.02407176	0.00023495	0.02202743	0.04182245	0.01001	0	0	0	0.0000	0.0417984	10.4695792	2.50494037	475.938867	39.6615558	0.0931263	0.09286304	10.4698425
8	0.063807273	10.4918699	1.04078619	0.02217297	0.02397509	0.00023401	0.02193897	0.0416343	0.00996	0	0	0	0.0000	0.04159189	10.4696969	2.50496853	475.944022	39.6620018	0.0931263	0.09286408	10.4699591
9	0.063530853	10.4919238	1.04029039	0.02207978	0.02388207	0.00023307	0.02185038	0.04144698	0.00991	0	0	0	0.0000	0.04140471	10.4698169	2.50499628	475.949353	39.6624651	0.0931263	0.09286511	10.4700754
10	0.063255565	10.4919562	1.03980088	0.02199516	0.02379283	0.00023213	0.02176303	0.0412604	0.00987	0	0	0	0.0000	0.04121837	10.4699311	2.50502455	475.954665	39.6628888	0.0931263	0.09286616	10.4701912
11	0.062981402	10.4919542	1.03930839	0.02190676	0.02368724	0.0002312	0.02167556	0.04107465	0.00983	0	0	0	0.0000	0.0410328	10.4700475	2.50505241	475.959958	39.6633298	0.0931263	0.09286719	10.4703066
12	0.062708362	10.4919822	1.03881602	0.02181868	0.023592	0.00023027	0.02158842	0.04088966	0.00978	0	0	0	0.0000	0.04084802	10.4701635	2.50508016	475.96523	39.6637692	0.0931263	0.09286822	10.4704216
13	0.06243644	10.49201	1.03832377	0.02173094	0.02349713	0.00022934	0.0215016	0.0407055	0.00974	0	0	0	0.0000	0.04066403	10.470279	2.50510781	475.970483	39.664207	0.0931263	0.09286924	10.4705361
14	0.062165632	10.4920377	1.03783163	0.02164553	0.02340262	0.00022842	0.0														

340	22	0.048651899	10.4934414	1.01045612	0.01724111	0.01864239	0.00018196	0.01705915	0.03141079	0.00752	0	0	0	0.0000	0.03137879	10.4762003	2.50652452	476.23966	39.6866383	0.0931263	0.09292176	10.4764048
	23	0.048437943	10.493464	1.00997057	0.01717071	0.01856627	0.00018121	0.0169895	0.03126723	0.00748	0	0	0	0.0000	0.03123538	10.4762933	2.50654677	476.24386	39.6869905	0.0931263	0.09292259	10.4764697
	24	0.048224877	10.4934865	1.00948514	0.01710059	0.01848064	0.00018047	0.01692011	0.03112429	0.00745	0	0	0	0.0000	0.03109258	10.4763859	2.50656893	476.248097	39.6874141	0.0931263	0.09292341	10.4765888
	1	0.048012096	10.4935089	1.00899981	0.01703073	0.01841491	0.00017974	0.01685029	0.03098197	0.00741	0	0	0	0.0000	0.03095041	10.4764782	2.50659311	476.252392	39.687691	0.0931263	0.09292422	10.4766802
	2	0.047801398	10.4935312	1.00851463	0.01696114	0.01833966	0.000179	0.01768214	0.03084026	0.00738	0	0	0	0.0000	0.03080884	10.4765701	2.506613	476.256471	39.6880392	0.0931263	0.09292504	10.4767714
	3	0.047590978	10.4935535	1.00802954	0.01689181	0.0182647	0.00017827	0.01761354	0.03069917	0.00735	0	0	0	0.0000	0.03066789	10.4766617	2.50663491	476.260634	39.6883861	0.0931263	0.09292586	10.4768621
	4	0.047381434	10.4935757	1.00754458	0.01682275	0.01819003	0.00017754	0.01664521	0.03055868	0.00731	0	0	0	0.0000	0.03052755	10.4767529	2.50665674	476.264781	39.6887318	0.0931263	0.09292667	10.4769525
	5	0.047172762	10.4935978	1.00705973	0.01675396	0.01811564	0.00017682	0.01657714	0.0304188	0.00728	0	0	0	0.0000	0.03038782	10.4768438	2.50667849	476.268913	39.6890761	0.0931263	0.09292747	10.4770426
	6	0.046969694	10.4936198	1.00657498	0.01668453	0.01804154	0.00017609	0.01650933	0.03027933	0.00724	0	0	0	0.0000	0.03024869	10.4769375	2.50670025	476.273029	39.6894191	0.0931263	0.09292828	10.4771324
	7	0.046758019	10.4936417	1.00609037	0.01661716	0.01796772	0.00017537	0.01644178	0.0301408	0.00721	0	0	0	0.0000	0.03011016	10.4770245	2.50672173	476.27713	39.6897608	0.0931263	0.09292908	10.4772118
341	8	0.046551042	10.4936636	1.00565087	0.01654915	0.01789491	0.00017465	0.01637449	0.03000279	0.00718	0	0	0	0.0000	0.02997223	10.4771144	2.50674335	476.281215	39.6901012	0.0931263	0.09292987	10.4773108
	9	0.046346724	10.4936853	1.00512149	0.0164814	0.01782093	0.00017394	0.01630746	0.02986532	0.00715	0	0	0	0.0000	0.0298349	10.4772039	2.50676465	476.285284	39.6904404	0.0931263	0.09293067	10.4773996
	10	0.04614236	10.493707	1.00463722	0.01641391	0.01774796	0.00017323	0.01624068	0.02972845	0.00711	0	0	0	0.0000	0.02969816	10.4772931	2.50678599	476.289338	39.6907782	0.0931263	0.09293146	10.477488
	11	0.045938849	10.4937286	1.00413506	0.01634668	0.01767527	0.00017252	0.01617417	0.02959217	0.00708	0	0	0	0.0000	0.02956202	10.4773782	2.50680875	476.293377	39.6911148	0.0931263	0.09293225	10.477576
	12	0.045736185	10.4937502	1.00363693	0.01627971	0.01760285	0.00017181	0.01610379	0.02945647	0.00705	0	0	0	0.0000	0.02942547	10.4774705	2.50683043	476.297401	39.6914501	0.0931263	0.09293303	10.4776637
	13	0.045534367	10.4937716	1.00313511	0.016213	0.01753071	0.00017111	0.01604189	0.02932137	0.00702	0	0	0	0.0000	0.02929215	10.4775586	2.50684952	476.301409	39.6917841	0.0931263	0.09293381	10.4777511
	14	0.04533339	10.493793	1.0027013	0.01614654	0.01745885	0.00017041	0.01597613	0.02918685	0.00698	0	0	0	0.0000	0.02915712	10.4776465	2.50687054	476.305402	39.6921169	0.0931263	0.09293459	10.4778382
	15	0.045133252	10.4938143	1.00221762	0.01608034	0.01738727	0.00016971	0.01591063	0.02905292	0.00695	0	0	0	0.0000	0.02902332	10.477734	2.50689148	476.30938	39.6924484	0.0931263	0.09293537	10.4779249
	16	0.044933949	10.4938356	1.00173404	0.01601439	0.01731596	0.00016901	0.01584538	0.02891956	0.00692	0	0	0	0.0000	0.0288901	10.4778212	2.50691233	476.31343	39.6927786	0.0931263	0.09293614	10.4780113
	17	0.044735477	10.4938567	1.00125059	0.01594869	0.01724493	0.00016832	0.01578037	0.02878679	0.00689	0	0	0	0.0000	0.02875746	10.477908	2.50693311	476.317291	39.6931076	0.0931263	0.09293691	10.4780974
342	18	0.044537835	10.4938778	1.00076725	0.01588325	0.01717415	0.00016763	0.01571562	0.02865459	0.00686	0	0	0	0.0000	0.0286254	10.4779945	2.50695381	476.321224	39.6934354	0.0931263	0.09293768	10.4781832
	19	0.044341017	10.4938988	1.00028403	0.01581805	0.01710367	0.00016694	0.01565112	0.02852596	0.00682	0	0	0	0.0000	0.02849391	10.4780807	2.50697443	476.325142	39.6937619	0.0931263	0.09293844	10.4782686
	20	0.044145022	10.4939197	0.99980092	0.01575311	0.01703345	0.00016625	0.01558686	0.02839191	0.00679	0	0	0	0.0000	0.02836299	10.4781666	2.50699498	476.329046	39.6940871	0.0931263	0.0929392	10.4783537
	21	0.043949846	10.4939405	0.99931793	0.01568842	0.0169635	0.00016557	0.01552285	0.02826142	0.00676	0	0	0	0.0000	0.028223263	10.4782521	2.50701544	476.332934	39.6944112	0.0931263	0.09293996	10.4784385
	22	0.043755485	10.4939613	0.99883506	0.01562398	0.01689382	0.00016489	0.01545909	0.02813151	0.00673	0	0	0	0.0000	0.02810285	10.4783373	2.50703583	476.336807	39.694734	0.0931263	0.09294072	10.4785229
	23	0.043561937	10.493982	0.99835231	0.01555978	0.01682441	0.00016421	0.01539557	0.02800215	0.00670	0	0	0	0.0000	0.02797363	10.4784252	2.50705614	476.340666	39.6950555	0.0931263	0.09294147	10.478607
	24	0.043369198	10.4940032	0.99787674	0.01549583	0.01675236	0.00016354	0.01533132	0.02787336	0.00667	0	0	0	0.0000	0.02784497	10.4785138	2.50707648	476.34451	39.6953759	0.0931263	0.09294222	10.4786909
	1	0.043177265	10.4940232	0.99738714	0.01543213	0.01668638	0.00016287	0.01526927	0.02774513	0.00664	0	0	0	0.0000	0.02771687	10.4785971	2.50709653	476.34834	39.695695	0.0931263	0.09294297	10.4787744
	2	0.042986135	10.4940436	0.99690474	0.01536868	0.01661777	0.00016212	0.01520648	0.02761746	0.00661	0	0	0	0.0000	0.02758932	10.4786749	2.50711661	476.352155	39.6960129	0.0931263	0.09294371	10.4788575
	3	0.042795804	10.494064	0.99642245	0.01530546	0.01654942	0.00016153	0.01514393	0.02749034	0.00658	0	0	0	0.0000	0.02746234	10.4787585	2.50713661	476.355956	39.6963297	0.0931263	0.09294446	10.4789404
343	4	0.042602671	10.4940843	0.99594028	0.01524249	0.01648133	0.00016086	0.01508163	0.02736378	0.00655	0	0	0	0.0000	0.0273359	10.4788418	2.50715654	476.359742	39.6966452	0.0931263	0.09294519	10.4790229
	5	0.042417531	10.4941046	0.99545822	0.01517977	0.01641351	0.00016002	0.01501957	0.02723776	0.00652	0	0	0	0.0000	0.02721002	10.4789248	2.50717639	476.363514	39.6969659	0.0931263	0.09294593	10.4791022
	6	0.042229581	10.4941248	0.99497628	0.01511697	0.01634595	0.00015954	0.01495774	0.02712123	0.00649	0	0	0	0.0000	0.02708461	10.4790129	2.5071967	476.367272	39.6972726	0.0931263	0.09294667	10.4791717
	7	0.042042419	10.4941448	0.99449446	0.01505504	0.01627864	0.00015889	0.01489615	0.02699738	0.00646	0	0	0	0.0000	0.02695989	10.4790988	2.50721586	476.371014	39.6975845	0.0931263	0.09294739	10.4792687
	8	0.04185604	10.4941649	0.99401275	0.01499304	0.01621216	0.00015823	0.0148348	0.0268683	0.00643	0	0	0	0.0000	0.02683564	10.4791718	2.50723549	476.374743	39.6978952	0.0931263	0.09294812	10.47935
	9	0.041670443	10.4941848	0.99353116	0.01493127	0.01614482	0.00015758	0.01477369	0.02673917	0.0064	0	0	0	0.0000	0.02671193	10.4792535	2.50725504	476.378458	39.6982408	0.0931263	0.09294885	10.479431
	10	0.041485624	10.4942047	0.99303069	0.01486975	0.01607829	0.00015693	0.01471282	0.02661588	0.00637	0	0	0	0.0000	0.026658876	10.4793349	2.50727452	476.382158	39.6985832	0.0931263	0.09294957	10.4795117
	11	0.041301579	10.4942246	0.99252637	0.01480624	0.01601628	0.00015621	0.01465217	0.02649312	0.00634	0	0	0	0.0000	0.02659883	10.4794166	2.50729427	476.385844	39.6988204	0.0931263	0.09295029	10.4795982
	12	0.041118307	10.4942442	0.99202879	0.01474741	0.01594601	0.00015564	0.01459177	0.0263709	0.00631	0	0	0	0.0000	0.02643404	10.4794948	2.50731325	476.389517	39.6991264	0.0931263	0.092951	10.4796721
	13	0.040935803	10.4942639	0.99160597	0.01468659	0.01588025	0.000155	0.01453159	0.02624921	0.00628	0	0	0	0.0000	0.02622247	10.4795773	2.5073325	476.393175	39.6994312	0.0931263	0.09295172	10.4797519
344	14	0.040754065	10.4942835	0.99112496	0.01462601	0.01581474	0.00015436	0.01447165	0.02612806	0.00625	0	0	0	0.0000	0.02610144	10.4796575	2.50735168	476.396819	39.6997349	0.0931263	0.09295243	10.4798313

344	24	0.031425417	0.4953043	0.963427	0.01148674	0.01242033	0.00012123	0.01136552	0.01993867	0.00477	0	0	0	0.0000	0.01991836	10.4838176	2.50834703	476.585935	39.7154946	0.0931263	0.09298933	10.4839545	
	1	0.031283878	0.4953201	0.9662991	0.01143862	0.0123683	0.00012072	0.01131179	0.01984525	0.00475	0	0	0	0.0000	0.01982504	10.4838814	2.50836231	476.588838	39.7157365	0.0931263	0.09298989	10.4840178	
	2	0.031142942	0.4953357	0.96427894	0.01139609	0.01215647	0.00012021	0.01127048	0.01975225	0.00473	0	0	0	0.0000	0.01973213	10.4839451	2.50837753	476.591373	39.7159775	0.0931263	0.09299064	10.4840809	
	3	0.031020606	0.4953425	0.96120509	0.01134295	0.01215645	0.00011971	0.01122324	0.01965966	0.00470	0	0	0	0.0000	0.01963963	10.4840304	2.50839259	476.594611	39.7162176	0.0931263	0.09299103	10.4841437	
	4	0.030862869	0.4953669	0.96153136	0.01129539	0.01211343	0.00011921	0.01117619	0.01956748	0.00468	0	0	0	0.0000	0.01954754	10.4840716	2.50840779	476.597481	39.7164567	0.0931263	0.09299158	10.4842063	
	5	0.030727327	0.4953825	0.96105774	0.01124802	0.01216221	0.00011871	0.01112932	0.0194757	0.00466	0	0	0	0.0000	0.01945586	10.4841344	2.50842284	476.600339	39.7166949	0.0931263	0.09299214	10.4842686	
	6	0.030585179	0.4953979	0.96058424	0.01120084	0.01211119	0.00011821	0.01108263	0.01938434	0.00464	0	0	0	0.0000	0.01936459	10.4841971	2.50843782	476.603187	39.7169322	0.0931263	0.09299269	10.4843307	
	7	0.030447222	0.4954133	0.96011086	0.01115385	0.01206038	0.00011771	0.01103613	0.01929338	0.00462	0	0	0	0.0000	0.01927372	10.4842595	2.50845275	476.606023	39.7171686	0.0931263	0.09299325	10.4843925	
	8	0.030308654	0.4954286	0.9596376	0.01110703	0.01200976	0.00011722	0.01098981	0.01920382	0.00459	0	0	0	0.0000	0.01918326	10.4843416	2.50846762	476.608848	39.717408	0.0931263	0.09299398	10.4844541	
	9	0.030173072	0.4954439	0.95914446	0.01106071	0.01199393	0.00011671	0.01094368	0.01911266	0.00457	0	0	0	0.0000	0.01909319	10.4843835	2.50848244	476.611663	39.7176386	0.0931263	0.09299435	10.4845155	
	10	0.030036873	0.4954592	0.95869413	0.01101396	0.01190913	0.00011624	0.01089772	0.01902091	0.00455	0	0	0	0.0000	0.01900353	10.4844452	2.50849719	476.614466	39.7178722	0.0931263	0.09299489	10.4845766	
	11	0.029901257	0.4954743	0.95821852	0.0109677	0.01185911	0.00011575	0.01085195	0.01893356	0.00453	0	0	0	0.0000	0.01891427	10.4845066	2.50851189	476.617259	39.7181049	0.0931263	0.09299544	10.4846375	
	12	0.029766219	0.4954894	0.95774573	0.01092162	0.01180928	0.00011526	0.01080636	0.0188446	0.00451	0	0	0	0.0000	0.0188254	10.4845678	2.50852653	476.620004	39.7183367	0.0931263	0.09299598	10.4846981	
	13	0.029631759	0.4955045	0.95727306	0.01087573	0.01175965	0.00011478	0.01076095	0.01875603	0.00449	0	0	0	0.0000	0.01873693	10.4845628	2.50854111	476.622811	39.7185676	0.0931263	0.09299652	10.4847585	
	14	0.029497873	0.4955195	0.9568005	0.01083001	0.01171022	0.0001143	0.01071571	0.01866786	0.00447	0	0	0	0.0000	0.01864885	10.48456895	2.50855584	476.625571	39.7187976	0.0931263	0.09299706	10.4848187	
	15	0.02936456	0.4955344	0.95632807	0.01078447	0.01166068	0.00011382	0.01067066	0.01858009	0.00445	0	0	0	0.0000	0.01856116	10.4845701	2.50857011	476.628321	39.7190267	0.0931263	0.09299756	10.4848787	
	16	0.029231816	0.4955493	0.95585575	0.01073912	0.01161194	0.00011334	0.01062578	0.0184927	0.00442	0	0	0	0.0000	0.01847386	10.48458102	2.50858452	476.631059	39.719255	0.0931263	0.09299813	10.4849384	
	17	0.02909964	0.4955642	0.95538355	0.01069394	0.01156309	0.00011286	0.01058108	0.0184057	0.00440	0	0	0	0.0000	0.01838695	10.48458702	2.50859888	476.633787	39.7194823	0.0931263	0.09299866	10.4849979	
	18	0.02896803	0.4955789	0.95491146	0.01064894	0.01151444	0.00011239	0.01053655	0.01831909	0.00438	0	0	0	0.0000	0.01830043	10.48459	2.50861318	476.636505	39.7197087	0.0931263	0.09299919	10.4850571	
		19	0.028836982	0.4955937	0.95443495	0.01060412	0.01146597	0.00011191	0.01049221	0.01823286	0.00436	0	0	0	0.0000	0.01821429	10.48459895	2.50862743	476.639212	39.7199343	0.0931263	0.09299972	10.4851161
20		0.028706496	0.4956083	0.95396765	0.01055947	0.01141177	0.00011144	0.01044803	0.01814702	0.00434	0	0	0	0.0000	0.01813854	10.48459848	2.50864162	476.641908	39.720159	0.0931263	0.09300025	10.4851749	
21		0.028576568	0.4956229	0.95345952	0.010515	0.01136961	0.00011097	0.01040403	0.01806156	0.00432	0	0	0	0.0000	0.01804316	10.48459879	2.50865576	476.644593	39.7203828	0.0931263	0.09300077	10.4852335	
22		0.028447197	0.4956375	0.95302431	0.01047071	0.01132172	0.0001105	0.01036021	0.01797649	0.00430	0	0	0	0.0000	0.01795817	10.48459848	2.50866984	476.647269	39.7206057	0.0931263	0.09300131	10.4852918	
23		0.028318379	0.495652	0.95255282	0.01042659	0.01127402	0.00011004	0.01031655	0.01789179	0.00428	0	0	0	0.0000	0.01787356	10.48459284	2.50868386	476.649934	39.7208278	0.0931263	0.09300182	10.4853499	
24		0.028190114	0.4956664	0.95208144	0.01038265	0.0112265	0.00010958	0.01027307	0.01780746	0.00426	0	0	0	0.0000	0.01778932	10.48459283	2.50869783	476.652588	39.7211049	0.0931263	0.09300233	10.4854078	
1		0.02806296	0.4956808	0.95161019	0.01033888	0.01117918	0.00010911	0.01022977	0.01772352	0.00424	0	0	0	0.0000	0.01770546	10.48459284	2.50871175	476.655322	39.7212933	0.0931263	0.09300285	10.4854654	
2		0.02793523	0.4956952	0.95111929	0.01030428	0.01113905	0.00010865	0.01017399	0.01763945	0.00422	0	0	0	0.0000	0.01761287	10.48459284	2.50872593	476.657964	39.7214898	0.0931263	0.09300334	10.4855228	
		3	0.027808607	0.4957095	0.95068083	0.01025186	0.01108508	0.00010819	0.01014366	0.01755675	0.00420	0	0	0	0.0000	0.01753886	10.48459284	2.50873942	476.660489	39.7217074	0.0931263	0.09300387	10.48558
		4	0.027682527	0.4957327	0.95019712	0.01020861	0.01103831	0.00010774	0.01010087	0.01747392	0.00418	0	0	0	0.0000	0.01745612	10.48459284	2.50875317	476.663102	39.7219252	0.0931263	0.09300438	10.485637
	5	0.027556987	0.4957379	0.94972634	0.01016552	0.01099173	0.00010728	0.01005824	0.01739146	0.00416	0	0	0	0.0000	0.01737375	10.48459284	2.50876687	476.665705	39.7221421	0.0931263	0.09300489	10.4856938	
	6	0.027431987	0.495752	0.94925567	0.01012261	0.01094533	0.00010683	0.01001578	0.01730937	0.00414	0	0	0	0.0000	0.01729174	10.48459284	2.50878052	476.668298	39.7223582	0.0931263	0.09300504	10.4857503	
	7	0.027307523	0.4957661	0.94878513	0.01010787	0.01089912	0.00010638	0.00997349	0.01722765	0.00412	0	0	0	0.0000	0.01721701	10.48459284	2.50879411	476.670981	39.7225734	0.0931263	0.09300509	10.4858066	
	8	0.027183593	0.4957803	0.9483147	0.01008737	0.01085293	0.00010591	0.00993173	0.01714629	0.00410	0	0	0	0.0000	0.01715286	10.48459284	2.50880484	476.673451	39.7227878	0.0931263	0.09300564	10.4858627	
	9	0.027060196	0.4957941	0.94784438	0.01006949	0.01080724	0.00010548	0.00988942	0.01707653	0.00408	0	0	0	0.0000	0.01704791	10.48459284	2.50882114	476.676016	39.7230013	0.0931263	0.09300609	10.4859185	
	10	0.026937328	0.495808	0.94737419	0.00995266	0.01076157	0.00010504	0.00984763	0.01698466	0.00406	0	0	0	0.0000	0.01696736	10.48459284	2.50883457	476.678569	39.723214	0.0931263	0.09300704	10.4859742	
		11	0.026814089	0.4958218	0.94690412	0.0099106	0.01071608	0.00010459	0.0098006	0.01690439	0.00404	0	0	0	0.0000	0.01688717	10.48459284	2.50884795	476.681111	39.7234259	0.0931263	0.09300709	10.4860296
		12	0.026693175	0.4958356	0.94643416	0.00986887	0.01067078	0.00010415	0.00976454	0.01682448	0.00403	0	0	0	0.0000	0.01680874	10.48459284	2.50886128	476.683644	39.7236337	0.0931263	0.09300839	10.4860849
13		0.02657																					

0.0200838	0.4965973	0.91572847	0.00757227	0.00818771	7.99155-05	0.00749235	0.01251153	0.00229	0	0	0	0.000	0.01249878	0.4889025	2.50959329	476.822661	39.7352217	0.0931263	0.09303552	10.4891158
0.01991139	0.4966081	0.91706599	0.00759372	0.00815251	7.95725-05	0.00746015	0.01245142	0.00298	0	0	0	0.000	0.01243873	0.4890684	2.50960334	476.824634	39.7353862	0.0931263	0.09303559	10.4891588
0.019898883	0.496619	0.91666064	0.00759703	0.00817466	7.93235-05	0.00742807	0.01239158	0.00296	0	0	0	0.000	0.01237896	0.4891117	2.50961369	476.8266	39.73555	0.0931263	0.09303629	10.4892017
0.01980703	0.4966298	0.9161414	0.00747501	0.00808255	7.88896-05	0.00739613	0.01231201	0.00295	0	0	0	0.000	0.01231945	0.48909167	2.50962487	476.828558	39.7357132	0.0931263	0.09303667	10.4892444
0.019175578	0.4966405	0.91567928	0.00744286	0.00804778	7.8555-05	0.00736431	0.01227272	0.00294	0	0	0	0.000	0.01226022	0.4891976	2.50963426	476.830509	39.7358757	0.0931263	0.09303705	10.4892869
0.019624526	0.4966512	0.91521729	0.00741083	0.00801315	7.8212E-05	0.00733262	0.01221369	0.00292	0	0	0	0.000	0.01220125	0.4892404	2.50964448	476.832451	39.7360376	0.0931263	0.09303743	10.4893292
0.019533872	0.4966619	0.91507347	0.00737893	0.00797866	7.7875E-05	0.00730106	0.01215494	0.00291	0	0	0	0.000	0.01214256	0.4892829	2.50965466	476.834386	39.7361988	0.0931263	0.09303778	10.4893714
0.019443615	0.4966725	0.91429365	0.00734717	0.00794431	7.7545E-05	0.00726963	0.01209645	0.00289	0	0	0	0.000	0.01208413	0.4893253	2.50966481	476.836313	39.7363594	0.0931263	0.09303818	10.4894134
0.019353753	0.4966831	0.91383201	0.00731553	0.0079101	7.7206E-05	0.00723832	0.01203823	0.00288	0	0	0	0.000	0.01202596	0.4893675	2.50967491	476.83832	39.7365194	0.0931263	0.09303856	10.4894538
0.019264284	0.4966937	0.91337401	0.00728401	0.00787602	7.6873E-05	0.00720714	0.01198027	0.00287	0	0	0	0.000	0.01196807	0.4894096	2.50968497	476.840144	39.7366787	0.0931263	0.09303891	10.4894947
0.019175206	0.4967041	0.91290909	0.00725263	0.00784209	7.6542E-05	0.00717609	0.01192258	0.00285	0	0	0	0.000	0.01191043	0.4894515	2.50969499	476.842048	39.7368373	0.0931263	0.0930393	10.4895385
0.019086518	0.4967146	0.9124478	0.00722137	0.00780829	7.6212E-05	0.00714516	0.01186515	0.00284	0	0	0	0.000	0.01185306	0.4894932	2.50970497	476.843945	39.7369954	0.0931263	0.09303967	10.4895798
0.018998219	0.496725	0.91198664	0.00719024	0.00777463	7.5883E-05	0.00711436	0.01180798	0.00283	0	0	0	0.000	0.01179595	0.4895348	2.50971491	476.845833	39.7371528	0.0931263	0.09304004	10.489621
0.018910307	0.4967354	0.91151256	0.00715923	0.0077411	7.5556E-05	0.00708368	0.01175107	0.00281	0	0	0	0.000	0.0117391	0.4895761	2.50972481	476.847715	39.7373096	0.0931263	0.09304041	10.489662
0.01882278	0.4967457	0.91106467	0.00712836	0.00770771	7.5233E-05	0.00705312	0.01169442	0.00280	0	0	0	0.000	0.01168251	0.4896174	2.50973468	476.849689	39.7374657	0.0931263	0.09304077	10.4897029
0.018735636	0.4967575	0.91060387	0.00709776	0.00767446	7.4906E-05	0.00702269	0.01163804	0.00278	0	0	0	0.000	0.01162616	0.4896584	2.5097445	476.851455	39.7376212	0.0931263	0.09304113	10.4897436
0.018648875	0.4967663	0.91014319	0.00706697	0.00764134	7.4583E-05	0.00699239	0.0115819	0.00277	0	0	0	0.000	0.01157011	0.4896993	2.50975428	476.853314	39.7377761	0.0931263	0.0930415	10.4897841
0.018562493	0.4967765	0.90968262	0.00703647	0.00760836	7.4261E-05	0.00696922	0.01152603	0.00276	0	0	0	0.000	0.01151429	0.48974	2.50976403	476.855165	39.7379304	0.0931263	0.09304186	10.4898245
0.018476491	0.4967867	0.90922217	0.00700608	0.00757575	7.3943E-05	0.00693214	0.01147041	0.00274	0	0	0	0.000	0.01145872	0.4897806	2.50977373	476.857009	39.7380841	0.0931263	0.09304222	10.4898647
0.018390866	0.4967968	0.90876185	0.00697582	0.00754279	7.3621E-05	0.00690922	0.01141504	0.00273	0	0	0	0.000	0.01140341	0.489821	2.5097834	476.858846	39.7382371	0.0931263	0.09304258	10.4899047
0.018305517	0.4968069	0.90830164	0.00694569	0.0075102	7.3303E-05	0.00687239	0.01135993	0.00272	0	0	0	0.000	0.01134836	0.4898612	2.50979303	476.860675	39.7383906	0.0931263	0.09304293	10.4899446
0.018220742	0.496817	0.90784155	0.00691567	0.00747775	7.2986E-05	0.00684269	0.01130507	0.00270	0	0	0	0.000	0.01129355	0.4899013	2.50980262	476.862497	39.7385414	0.0931263	0.09304329	10.4899843
0.01813624	0.496827	0.90738158	0.00688578	0.00744543	7.267E-05	0.00681311	0.01125046	0.00269	0	0	0	0.000	0.011239	0.4899412	2.50981217	476.864312	39.7386926	0.0931263	0.09304364	10.4900239
0.018052108	0.496837	0.90692174	0.00685601	0.00741324	7.2356E-05	0.00678366	0.0111961	0.00268	0	0	0	0.000	0.01118469	0.489981	2.50982168	476.866119	39.7388433	0.0931263	0.093044	10.4900633
0.017968347	0.496847	0.90646201	0.00682636	0.00738118	7.2043E-05	0.00675432	0.01114198	0.00267	0	0	0	0.000	0.01113063	0.4900206	2.50983115	476.867919	39.7389933	0.0931263	0.09304435	10.4901025
0.017884953	0.4968569	0.9060024	0.00679883	0.00734925	7.1732E-05	0.0067251	0.01108812	0.00265	0	0	0	0.000	0.01107682	0.49006	2.50984059	476.869712	39.7391427	0.0931263	0.0930447	10.4901416
0.01780126	0.496867	0.9055291	0.00676742	0.00731765	7.1421E-05	0.0066969	0.01103345	0.00264	0	0	0	0.000	0.01101323	0.4900993	2.50985062	476.871498	39.7392915	0.0931263	0.09304502	10.4901806
0.017719264	0.4968766	0.90508354	0.00673983	0.00728578	7.1112E-05	0.00666702	0.01098113	0.00263	0	0	0	0.000	0.01096994	0.4901384	2.50985935	476.873276	39.7394397	0.0931263	0.09304539	10.4902193
0.017636965	0.4968864	0.90462429	0.00670896	0.00725424	7.0804E-05	0.00663816	0.010928	0.00261	0	0	0	0.000	0.01091687	0.4901774	2.50986867	476.875048	39.7395873	0.0931263	0.09304574	10.490258
0.017555028	0.4968961	0.90416516	0.00667991	0.00722282	7.0498E-05	0.00660941	0.01087512	0.00260	0	0	0	0.000	0.01086404	0.4902162	2.50987796	476.876812	39.7397343	0.0931263	0.09304608	10.4902964
0.017473452	0.4969058	0.90370615	0.00665098	0.00719154	7.0192E-05	0.00658078	0.01082248	0.00259	0	0	0	0.000	0.01081145	0.4902549	2.50988721	476.878569	39.7398808	0.0931263	0.09304643	10.4903347
0.017392235	0.4969155	0.90324725	0.00662216	0.00716038	6.9888E-05	0.00655227	0.01077007	0.00258	0	0	0	0.000	0.0107591	0.4902934	2.50989642	476.88032	39.7400266	0.0931263	0.09304677	10.4903729
0.017311175	0.4969256	0.90278844	0.00659451	0.00712935	6.9585E-05	0.00652387	0.01071991	0.00257	0	0	0	0.000	0.0107072	0.4903321	2.50990571	476.882024	39.7401719	0.0931263	0.09304711	10.4904109
0.017230871	0.4969348	0.90232983	0.00656488	0.00709844	6.9284E-05	0.0064956	0.01066599	0.00255	0	0	0	0.000	0.01065513	0.4903699	2.50991473	476.883799	39.7403166	0.0931263	0.09304745	10.4904488
0.017150722	0.4969444	0.9018713	0.00653641	0.00706766	6.8983E-05	0.00646743	0.01061431	0.00254	0	0	0	0.000	0.0106035	0.4904079	2.50992383	476.885528	39.7404607	0.0931263	0.09304778	10.4904865
0.017070926	0.4969539	0.90141288	0.00650806	0.00703701	6.8684E-05	0.00643938	0.01056286	0.00253	0	0	0	0.000	0.0105521	0.4904458	2.5099329	476.88725	39.7406072	0.0931263	0.09304812	10.490524
0.016991482	0.4969634	0.90095459	0.00647983	0.00700648	6.8386E-05	0.00641144	0.01051165	0.00252	0	0	0	0.000	0.01050094	0.4904836	2.50994192	476.888965	39.7407471	0.0931263	0.09304845	10.4905614
0.016912387	0.496973	0.90049661	0.00645174	0.00697608	6.8089E-05	0.00638362	0.01046002	0.00251	0	0	0	0.000	0.01045002	0.4905211	2.50995062	476.890671	39.7408895	0.0931263	0.09304879	10.4905987
0.016833642	0.4969823	0.90003836	0.00642371	0.0069458	6.7794E-05	0.00635591	0.01040994	0.00249	0	0	0	0.000	0.01039933	0.4905586	2.50995987	476.892375	39.7410133	0.0931263	0.09304912	10.4906358

4	0.012695246	10.4974856	0.87277485	0.00493755	0.00533885	5.2109E-05	0.00488544	0.0077577	0.00186	0	0	0	0.000	0.00774979	10.492548	2.51043587	476.982815	39.7485679	0.0931263	0.09306677	10.4926076
5	0.012635234	10.497493	0.87232413	0.00495157	0.00523153	1.5879E-05	0.00486389	0.00771946	0.00185	0	0	0	0.000	0.0077116	10.4925772	2.51044285	476.984142	39.7486785	0.0931263	0.09306702	10.4926365
6	0.01257549	10.4975004	0.87187353	0.00489408	0.00529185	5.1651E-05	0.00484243	0.00781841	0.00184	0	0	0	0.000	0.00767359	10.4926063	2.51044981	476.985465	39.7487887	0.0931263	0.09306788	10.4926653
7	0.012516015	10.4975078	0.87142305	0.00487448	0.00525849	5.1423E-05	0.00482106	0.00784354	0.00183	0	0	0	0.000	0.00761375	10.4926353	2.51049774	476.985782	39.7488085	0.0931263	0.09306754	10.4926941
8	0.012456805	10.4975151	0.87097269	0.00485097	0.00524523	5.1139E-05	0.00479977	0.00780584	0.00182	0	0	0	0.000	0.00759809	10.4926541	2.51046365	476.988093	39.7490078	0.0931263	0.0930678	10.4927227
9	0.012397862	10.4975224	0.87052245	0.00482955	0.00522207	5.0969E-05	0.00477858	0.00756832	0.00181	0	0	0	0.000	0.00756061	10.4926929	2.51047052	476.989399	39.7491166	0.0931263	0.09306805	10.4927511
10	0.012339182	10.4975297	0.87007233	0.00480821	0.005199	5.0744E-05	0.00475747	0.00753097	0.00180	0	0	0	0.000	0.00752533	10.4927215	2.51047737	476.9907	39.749225	0.0931263	0.09306883	10.4927795
11	0.012280766	10.497537	0.86962233	0.00478697	0.00517603	5.052E-05	0.00473645	0.0074938	0.00179	0	0	0	0.000	0.00748616	10.49275	2.51048419	476.991996	39.749333	0.0931263	0.09306856	10.4928077
12	0.012228162	10.4975442	0.86917246	0.00476581	0.00515316	5.0297E-05	0.00471552	0.0074568	0.00178	0	0	0	0.000	0.0074402	10.4927784	2.51049098	476.993286	39.7494405	0.0931263	0.09306881	10.4928359
13	0.012164719	10.4975514	0.86872227	0.00474475	0.00513038	5.0075E-05	0.00469467	0.00741977	0.00178	0	0	0	0.000	0.00741241	10.4927866	2.51049774	476.994571	39.7495476	0.0931263	0.09306896	10.4928639
14	0.012107086	10.4975585	0.86827307	0.00472376	0.00510769	4.9853E-05	0.00467391	0.00738332	0.00177	0	0	0	0.000	0.0073758	10.4928348	2.51050447	476.99585	39.7496542	0.0931263	0.09306931	10.4928918
15	0.012049711	10.4975657	0.86782355	0.00470287	0.0050851	4.9633E-05	0.00465324	0.00734684	0.00176	0	0	0	0.000	0.00733936	10.4928628	2.51051118	476.997125	39.7497604	0.0931263	0.09306956	10.4929196
16	0.011992594	10.4975728	0.86737416	0.00468207	0.0050626	4.9413E-05	0.00463265	0.00731053	0.00175	0	0	0	0.000	0.00730308	10.4928907	2.51051786	476.998394	39.7498661	0.0931263	0.09306968	10.4929472
17	0.011935734	10.4975799	0.86692489	0.00466135	0.0050402	4.9194E-05	0.00461215	0.00727439	0.00174	0	0	0	0.000	0.00726698	10.4929185	2.51052451	476.999658	39.7499715	0.0931263	0.09307005	10.4929748
18	0.011879129	10.4975869	0.86647574	0.00464071	0.00501789	4.8977E-05	0.00459174	0.00723842	0.00173	0	0	0	0.000	0.00723104	10.4929462	2.51053114	477.000916	39.7500764	0.0931263	0.0930703	10.4930022
19	0.011822779	10.497594	0.8660267	0.00462016	0.00499567	4.876E-05	0.00457141	0.00720261	0.00172	0	0	0	0.000	0.00719528	10.4929738	2.51053774	477.00217	39.7501808	0.0931263	0.09307054	10.4930206
20	0.011766681	10.497601	0.86557779	0.0045997	0.00497355	4.8544E-05	0.00455116	0.00716698	0.00171	0	0	0	0.000	0.00715968	10.4930013	2.51054431	477.003418	39.7502849	0.0931263	0.09307079	10.4930568
21	0.011710837	10.4976079	0.86512901	0.00457933	0.00495151	4.8329E-05	0.004531	0.00713151	0.00171	0	0	0	0.000	0.00712425	10.4930286	2.51055085	477.004661	39.7503885	0.0931263	0.09307103	10.4930839
22	0.011655243	10.4976149	0.86468034	0.00455903	0.00492957	4.8115E-05	0.00451092	0.00709621	0.00170	0	0	0	0.000	0.00708898	10.4930558	2.51055737	477.00509	39.7504916	0.0931263	0.09307127	10.4931109
23	0.011599899	10.4976218	0.86423179	0.00453883	0.00490772	4.7901E-05	0.00449093	0.00706107	0.00169	0	0	0	0.000	0.00705388	10.493083	2.51056386	477.007133	39.7505944	0.0931263	0.09307151	10.4931378
24	0.011544805	10.4976287	0.86378336	0.0045187	0.00488956	4.7689E-05	0.00447101	0.0070261	0.00168	0	0	0	0.000	0.00701894	10.49311	2.51057032	477.008361	39.7506967	0.0931263	0.09307175	10.4931645
1	0.011489958	10.4976356	0.86333506	0.00449866	0.00486429	4.7477E-05	0.00445119	0.00699129	0.00167	0	0	0	0.000	0.00698417	10.4931369	2.51057676	477.009584	39.7507986	0.0931263	0.09307199	10.4931912
2	0.011435359	10.4976424	0.86288687	0.00447871	0.00484272	4.7267E-05	0.00443144	0.00695665	0.00166	0	0	0	0.000	0.00694956	10.4931637	2.51058317	477.010802	39.7509001	0.0931263	0.09307223	10.4932178
3	0.011381005	10.4976492	0.86243881	0.00445804	0.00482123	4.7057E-05	0.00441178	0.00692217	0.00165	0	0	0	0.000	0.00691512	10.4931904	2.51058955	477.012014	39.7510012	0.0931263	0.09307246	10.4932444
4	0.011326896	10.497656	0.86199087	0.00443956	0.00479983	4.6848E-05	0.0043922	0.00688785	0.00165	0	0	0	0.000	0.00688083	10.4932169	2.51059591	477.013222	39.7511019	0.0931263	0.0930727	10.4932705
5	0.011273031	10.4976627	0.86154304	0.00441934	0.00477852	4.6644E-05	0.0043727	0.00685369	0.00164	0	0	0	0.000	0.00684671	10.4932434	2.51060224	477.014425	39.7512021	0.0931263	0.09307293	10.4932968
6	0.011219409	10.4976697	0.86109371	0.00439971	0.0047573	4.6433E-05	0.00435328	0.00681969	0.00163	0	0	0	0.000	0.00681271	10.493269	2.51060861	477.015621	39.7513019	0.0931263	0.09307317	10.4933239
7	0.011166029	10.4976762	0.86065746	0.00438017	0.00473617	4.6227E-05	0.00433395	0.00678586	0.00162	0	0	0	0.000	0.00677894	10.4932926	2.51061482	477.016816	39.7514014	0.0931263	0.0930734	10.4933489
8	0.01112889	10.4976828	0.8602031	0.00436071	0.00471513	4.6022E-05	0.00431469	0.00675218	0.00162	0	0	0	0.000	0.0067453	10.4933221	2.51062108	477.018004	39.7515004	0.0931263	0.09307363	10.4933748
9	0.011059989	10.4976895	0.85975297	0.00434133	0.00469417	4.5817E-05	0.00429551	0.00671866	0.00161	0	0	0	0.000	0.00671181	10.4933482	2.5106273	477.019188	39.751599	0.0931263	0.09307386	10.4934006
10	0.011007328	10.4976961	0.85930575	0.00432203	0.00467331	4.5613E-05	0.00427642	0.00668529	0.00160	0	0	0	0.000	0.00667848	10.4933741	2.51063351	477.020366	39.7516972	0.0931263	0.09307409	10.4934263
11	0.010954904	10.4977027	0.85885865	0.00430281	0.00465253	4.5411E-05	0.0042574	0.00665209	0.00159	0	0	0	0.000	0.00664538	10.4933999	2.51063968	477.021539	39.751795	0.0931263	0.09307432	10.4934519
12	0.010902717	10.4977093	0.85841168	0.00428368	0.00463183	4.5206E-05	0.0042387	0.00661902	0.00158	0	0	0	0.000	0.00661418	10.4934256	2.51064592	477.022707	39.7518923	0.0931263	0.09307454	10.4934774
13	0.010850765	10.4977158	0.85796483	0.00426462	0.00461123	4.5007E-05	0.00421961	0.00658615	0.00158	0	0	0	0.000	0.00659574	10.4934512	2.51065196	477.023872	39.7519893	0.0931263	0.09307478	10.4935027
14	0.010799049	10.4977223	0.85751809	0.00424564	0.00459071	4.4807E-05	0.00420083	0.00655341	0.00157	0	0	0	0.000	0.00654673	10.4934767	2.51065806	477.025031	39.7520859	0.0931263	0.093075	10.4935258
15	0.010747565	10.4977288	0.85707148	0.00422674	0.00457027	4.4608E-05	0.00418214	0.00652082	0.00156	0	0	0	0.000	0.00651418	10.4935021	2.51066413	477.026185	39.7521821	0.0931263	0.09307523	10.4935532
16	0.010696315	10.4977353	0.85662499	0.00420792	0.00454992	4.4409E-05	0.00416351	0.00648839	0.00155	0	0	0	0.000	0.00648178	10.4935274	2.51067018	477.027335	39.7522779	0.0931263	0.09307545	10.4935782
17	0.010645326	10.4977417	0.85617255	0.00418962	0.00452966	4.4211E-05	0.00414486	0.00645691	0.00154	0	0	0	0.000	0.00643844	10.4935538	2.51067621	477.028478	39.7523733	0.0931263	0.09307568	10.4936032
18	0.010594508	10.4977482	0.85572328	0.00417052	0.00450948	4.4014E-05	0.00412651	0.00642399	0.00154	0	0	0	0.000	0.00641744	10.4935776	2.51068221	477.029619	39.7524683	0.0931263	0.0930759	10.4936288
19	0.010543949	10.4977545	0.85528625	0.00415194	0.00448939	4.3818E-05	0.00410812	0.00639201	0.00153	0	0	0	0.000	0.0063855	10.4936026	2.51068818	477.030755	39.7525629	0.0931263	0.09307612	10.4936528
20	0.01049362	10.4977609	0.85484024	0.00413343	0.00446938	4.3623E-05	0.00408981	0.00636019	0.00152	0	0	0	0.000	0.00635371	10.4936275	2.51069443	477.031885	39.7526571	0.0931263	0.09307634	10.4936774
21	0.010443518	10.4977672	0.85439436	0.004115	0.00444945	4.3428E-05	0.00407157	0.00632851	0.00151	0	0	0	0.000	0.00632207	10.4936522	2.51070006	477.033011	39.7527509	0.0931263	0.09307656	10.493702
22	0.010393642	10.4977736	0.8539486	0.00409665	0.00442961	4.3235E-05	0.00405342	0.00629699	0.001												

	6	0.007934237	10.4980897	0.82917973	0.00318344	0.00344217	3.35975-05	0.00314984	0.00475008	0.00114	0	0	0	0.0000	0.00474596	10.4949062	2.51100008	477.090016	39.7575013	0.0931263	0.09308768	10.4949448
	7	0.0078958	10.4980947	0.8287409	0.00316902	0.00342659	3.34456-05	0.00313558	0.00472678	0.00113	0	0	0	0.0000	0.00472196	10.4949257	2.51100473	477.09099	39.757575	0.0931263	0.09308785	10.4949641
	8	0.00785754	10.4980997	0.82830219	0.00315467	0.00341107	3.32936-05	0.00312138	0.00470287	0.00113	0	0	0	0.0000	0.004686808	10.4949485	2.51100937	477.091779	39.7576483	0.0931263	0.09308803	10.4949833
	9	0.00781456	10.4981047	0.82786361	0.00314038	0.00339962	3.31436-05	0.00310774	0.00467908	0.00112	0	0	0	0.0000	0.00467431	10.4949463	2.51100424	477.093656	39.7577213	0.0931263	0.0930882	10.4950024
	10	0.007781547	10.4981096	0.82742514	0.00312615	0.00338023	3.29926-05	0.00309316	0.0046554	0.00111	0	0	0	0.0000	0.00465065	10.4949835	2.51101857	477.093528	39.757794	0.0931263	0.09308837	10.4950214
	11	0.007743812	10.4981146	0.8269686	0.00311198	0.00336491	3.28436-05	0.00307914	0.00463183	0.00111	0	0	0	0.0000	0.00462711	10.4950026	2.51102314	477.094397	39.7578664	0.0931263	0.09308854	10.4950404
	12	0.00770625	10.4981195	0.82654858	0.00309787	0.00334965	3.26946-05	0.00306518	0.00460838	0.00110	0	0	0	0.0000	0.00460369	10.4950216	2.5110277	477.095262	39.7579385	0.0931263	0.09308871	10.4950592
	13	0.00766862	10.4981244	0.82611048	0.00308382	0.00333446	3.25466-05	0.00305128	0.00458504	0.00110	0	0	0	0.0000	0.00458037	10.4950406	2.51103223	477.096124	39.7580103	0.0931263	0.09308887	10.4950708
	14	0.007631645	10.4981293	0.8256723	0.00306983	0.00331933	3.23986-05	0.00303743	0.00456181	0.00109	0	0	0	0.0000	0.00455717	10.4950594	2.51103674	477.096981	39.7580818	0.0931263	0.09308904	10.4951067
	15	0.0075946	10.4981342	0.82523464	0.0030559	0.00330427	3.22515-05	0.00302365	0.0045387	0.00109	0	0	0	0.0000	0.00453407	10.4950786	2.51104124	477.097834	39.758153	0.0931263	0.09308921	10.4951153
	16	0.007557725	10.498139	0.82479661	0.00304203	0.00328927	3.21056-05	0.00300993	0.00451569	0.00108	0	0	0	0.0000	0.00451109	10.4950969	2.51104572	477.098686	39.7582239	0.0931263	0.09308937	10.4951339
	17	0.007521021	10.4981438	0.8243593	0.00302822	0.00327434	3.19596-05	0.00299626	0.0044928	0.00107	0	0	0	0.0000	0.00448822	10.4951156	2.51105018	477.099533	39.7582945	0.0931263	0.09308954	10.4951523
	18	0.007484485	10.4981486	0.82392181	0.00301447	0.00325947	3.18146-05	0.00298266	0.00447001	0.00107	0	0	0	0.0000	0.00446546	10.4951341	2.51105462	477.100377	39.7583647	0.0931263	0.0930897	10.4951707
	19	0.007448118	10.4981534	0.82348445	0.00300078	0.00324467	3.16696-05	0.00296911	0.00444734	0.00106	0	0	0	0.0000	0.00444281	10.4951526	2.51105904	477.101217	39.7584347	0.0931263	0.09308987	10.495189
	20	0.007411918	10.4981582	0.82304472	0.00298714	0.00322992	3.15236-05	0.00295562	0.00442477	0.00106	0	0	0	0.0000	0.00442027	10.495171	2.5110644	477.102053	39.7585044	0.0931263	0.09309003	10.4952073
	21	0.007375885	10.4981629	0.82261008	0.00297357	0.00321524	3.13826-05	0.00294218	0.00440232	0.00105	0	0	0	0.0000	0.00439783	10.4951893	2.51106782	477.102886	39.7585739	0.0931263	0.09309019	10.4952254
	22	0.007340018	10.4981676	0.82217308	0.00296005	0.00320063	3.12396-05	0.00292881	0.00437997	0.00105	0	0	0	0.0000	0.00437551	10.4952076	2.51107219	477.103716	39.758643	0.0931263	0.09309035	10.4952435
	23	0.007304317	10.4981723	0.8217362	0.00294659	0.00318607	3.10976-05	0.00291549	0.00435773	0.00104	0	0	0	0.0000	0.00435329	10.4952257	2.51107653	477.104541	39.7587118	0.0931263	0.09309052	10.4952615
	24	0.00726878	10.498177	0.82129945	0.00293319	0.00317158	3.09566-05	0.00290223	0.00433559	0.00104	0	0	0	0.0000	0.00433118	10.4952438	2.51108086	477.105364	39.7587803	0.0931263	0.09309068	10.4952795
357	1	0.007233408	10.4981817	0.82086281	0.00291984	0.00315715	3.08156-05	0.00288903	0.00431357	0.00103	0	0	0	0.0000	0.00430917	10.4952619	2.51108517	477.106183	39.7588486	0.0931263	0.09309084	10.4952973
	2	0.007198198	10.4981863	0.82042463	0.00290655	0.00314278	3.06756-05	0.00287588	0.00429165	0.00103	0	0	0	0.0000	0.00428727	10.4952798	2.51108946	477.106998	39.7589165	0.0931263	0.093091	10.4953151
	3	0.007163151	10.498191	0.81998992	0.00289332	0.00312848	3.05356-05	0.00286279	0.00426983	0.00102	0	0	0	0.0000	0.00426548	10.4952977	2.51109374	477.10781	39.7589842	0.0931263	0.09309115	10.4953328
	4	0.007128267	10.4981956	0.81955365	0.00288015	0.00311423	3.03966-05	0.00284975	0.00424812	0.00102	0	0	0	0.0000	0.00424379	10.4953154	2.51109799	477.108619	39.7590516	0.0931263	0.09309131	10.4953504
	5	0.007093543	10.4982002	0.81911751	0.00286703	0.00310005	3.02586-05	0.00283677	0.00422651	0.00101	0	0	0	0.0000	0.00422221	10.4953331	2.51110223	477.109424	39.7591187	0.0931263	0.09309147	10.495368
	6	0.00705898	10.4982048	0.81868148	0.00285397	0.00308593	3.01216-05	0.00282385	0.00420501	0.00101	0	0	0	0.0000	0.00420073	10.4953508	2.51110645	477.110226	39.7591855	0.0931263	0.09309163	10.4953855
	7	0.007024576	10.4982093	0.81824558	0.00284096	0.00307186	2.99836-05	0.00281098	0.00418361	0.00101	0	0	0	0.0000	0.00417935	10.4953683	2.51111065	477.111024	39.759252	0.0931263	0.09309178	10.4954029
	8	0.006990321	10.4982134	0.8178091	0.00282786	0.00305786	2.98466-05	0.00279817	0.00416212	0.00101	0	0	0	0.0000	0.00416508	10.4953858	2.51111482	477.111818	39.7593182	0.0931263	0.09309194	10.4954204
	9	0.006956245	10.4982184	0.81737415	0.00281512	0.00304392	2.97116-05	0.00278541	0.00414113	0.00099	0	0	0	0.0000	0.00413691	10.4954032	2.511119	477.112611	39.7593842	0.0931263	0.09309209	10.4954375
	10	0.006922317	10.4982229	0.81693862	0.00280228	0.00303004	2.95746-05	0.00277271	0.00412004	0.00099	0	0	0	0.0000	0.00411584	10.4954206	2.51112315	477.113399	39.7594499	0.0931263	0.09309224	10.4954546
	11	0.006888545	10.4982274	0.81650321	0.0027895	0.00301621	2.94396-05	0.00276006	0.00409905	0.00098	0	0	0	0.0000	0.00409487	10.4954379	2.51112728	477.114184	39.7595153	0.0931263	0.09309231	10.4954718
	12	0.00685493	10.4982318	0.81606792	0.00277677	0.00300245	2.93056-05	0.00274746	0.00407816	0.00098	0	0	0	0.0000	0.00407401	10.495455	2.51113134	477.114965	39.7595804	0.0931263	0.09309255	10.4954888
	13	0.006821471	10.4982363	0.81563276	0.00276409	0.00298875	2.91716-05	0.00273492	0.00405738	0.00097	0	0	0	0.0000	0.00405524	10.4954722	2.51113549	477.115744	39.7596474	0.0931263	0.09309267	10.4955058
	14	0.006788166	10.4982377	0.81520555	0.00275121	0.0029751	2.90386-05	0.00272244	0.00403669	0.00097	0	0	0	0.0000	0.00403258	10.4954898	2.51113975	477.116511	39.7597198	0.0931263	0.09309285	10.4955227
	15	0.006755016	10.4982451	0.81474528	0.00273891	0.00296151	2.89066-05	0.00271	0.00401611	0.00096	0	0	0	0.0000	0.00401202	10.4955062	2.51114363	477.11729	39.7597742	0.0931263	0.093093	10.4955395
	16	0.006722019	10.4982495	0.814328	0.0027264	0.00294799	2.87746-05	0.00269762	0.00399562	0.00096	0	0	0	0.0000	0.00399155	10.4955231	2.51114768	477.118059	39.7598382	0.0931263	0.09309315	10.4955562
	17	0.006689175	10.4982539	0.81389332	0.00271394	0.00293452	2.86426-05	0.0026853	0.00397524	0.00095	0	0	0	0.0000	0.00397719	10.4955399	2.5111517	477.118824	39.759902	0.0931263	0.0930933	10.4955729
	18	0.006656483	10.4982582	0.81345877	0.00270154	0.00292211	2.85116-05	0.00267302	0.00395495	0.00095	0	0	0	0.0000	0.00395902	10.4955567	2.51115571	477.119586	39.7599655	0.0931263	0.09309345	10.4955895
	19	0.006623943	10.4982626	0.81302436	0.00268975	0.00290975	2.83816-05	0.00266078	0.00393456	0.00094	0	0	0	0.0000	0.00393705	10.4955734	2.51115947	477.120341	39.7600327	0.0931263	0.0930936	10.4956061
	20	0.006591554	10.4982669	0.81259003	0.00267689	0.00289645	2.82515-05	0.00264684	0.00391467	0.00094	0	0	0	0.0000	0.00391068	10.49559	2.51116368	477.1211	39.7600917	0.0931263	0.09309375	10.4956226
	21	0.006559315	10.4982712	0.81215585	0.00266464	0.00288421	2.81226-05	0.00263652	0.00389467	0.00093	0	0	0	0.0000	0.0038907	10.4956065	2.51116764	477.121852	39.7601544	0.0931263	0.09309389	10.495639
	22	0.006527226	10.4982755	0.81172178	0.00265245	0.00287183	2.79936-05	0.00262446	0.00387477	0.00093	0	0	0	0.0000	0.00387083	10.495623	2.51117159	477.122601	39.7602188	0.0931263	0.09309404	10.4956553
	23	0.006495285	10.4982797	0.81128784	0.00264031	0.00285849	2.78656-05	0.00261245	0.00385497	0.00092	0	0	0	0.0000	0.00385105	10.4956394	2.51117551					

8	0.004000833	10.4984962	0.78675626	0.00202867	0.00219355	2.141E-05	0.00200726	0.00287216	0.00069	0	0	0	0.0000	0.00286924	10.4964675	2.51137364	477.160992	39.763416	0.0931263	0.09310153	10.4964923
9	0.00487498	10.4984996	0.78632935	0.00201924	0.00218336	2.131E-05	0.00199793	0.00285726	0.00068	0	0	0	0.0000	0.00285435	10.4964803	2.51137367	477.161573	39.763465	0.0931263	0.09310164	10.496505
10	0.004852276	10.4985029	0.78593277	0.00200985	0.0021732	2.111E-05	0.00198684	0.00284422	0.00068	0	0	0	0.0000	0.00282953	10.4964931	2.51137375	477.162152	39.7635127	0.0931263	0.09310176	10.4965176
11	0.004828169	10.4985062	0.7854762	0.0020005	0.0021631	2.113E-05	0.00197939	0.00282766	0.00068	0	0	0	0.0000	0.00282478	10.4965057	2.51138278	477.162729	39.7635607	0.0931263	0.09310187	10.4965302
12	0.004804176	10.4985096	0.78504976	0.0019912	0.00215303	2.101E-05	0.00197018	0.00281298	0.00067	0	0	0	0.0000	0.00281011	10.4965184	2.5113858	477.163303	39.7636086	0.0931263	0.09310198	10.4965427
13	0.004780296	10.4985129	0.78462345	0.00198193	0.00214301	2.0917E-05	0.00196102	0.00279836	0.00067	0	0	0	0.0000	0.00279551	10.4965309	2.51138881	477.163874	39.7636562	0.0931263	0.09310209	10.4965551
14	0.004756529	10.4985162	0.78419726	0.00197271	0.00213304	2.0819E-05	0.00195189	0.00278382	0.00066	0	0	0	0.0000	0.00278099	10.4965435	2.51139181	477.164443	39.7637036	0.0931263	0.09310222	10.4965676
15	0.004732874	10.4985194	0.78377119	0.00196352	0.00212311	2.0722E-05	0.0019428	0.00276935	0.00066	0	0	0	0.0000	0.00276653	10.4965559	2.51139479	477.16501	39.7637508	0.0931263	0.09310231	10.4965799
16	0.00470931	10.4985227	0.78332524	0.00195438	0.00211322	2.0626E-05	0.00193375	0.00275495	0.00066	0	0	0	0.0000	0.00275215	10.4965683	2.51139776	477.165574	39.7637978	0.0931263	0.09310242	10.4965922
17	0.00468598	10.498526	0.78291942	0.00194527	0.00210338	2.0533E-05	0.00192374	0.00274063	0.00066	0	0	0	0.0000	0.00273981	10.4965807	2.51140071	477.166138	39.7638446	0.0931263	0.09310253	10.4966045
18	0.004662576	10.4985292	0.78249372	0.00193621	0.00209357	2.0434E-05	0.00191577	0.00272637	0.00065	0	0	0	0.0000	0.00272359	10.4965953	2.51140366	477.166695	39.7638913	0.0931263	0.09310264	10.4966166
19	0.004639364	10.4985324	0.78206815	0.00192718	0.00208382	2.0339E-05	0.00190684	0.00271218	0.00065	0	0	0	0.0000	0.00270942	10.4966052	2.51140659	477.167252	39.7639377	0.0931263	0.09310275	10.4966288
20	0.004616263	10.4985356	0.78164269	0.0019182	0.0020741	2.0244E-05	0.00189795	0.00269806	0.00065	0	0	0	0.0000	0.00269532	10.4966174	2.51140951	477.167806	39.7639839	0.0931263	0.09310286	10.4966409
21	0.00459327	10.4985388	0.78121737	0.00190925	0.00206443	2.015E-05	0.0018891	0.00268402	0.00064	0	0	0	0.0000	0.00268128	10.4966296	2.51141241	477.168358	39.7640299	0.0931263	0.09310297	10.4966529
22	0.00457036	10.498542	0.78079216	0.00190035	0.00205451	2.0056E-05	0.00188029	0.00267004	0.00064	0	0	0	0.0000	0.00267572	10.4966417	2.51141533	477.168898	39.7640757	0.0931263	0.09310307	10.4966649
23	0.004547611	10.4985452	0.78036708	0.00189148	0.00204521	1.9952E-05	0.00187152	0.00265613	0.00064	0	0	0	0.0000	0.00265343	10.4966537	2.51141818	477.169455	39.7641213	0.0931263	0.09310318	10.4966768
24	0.004524943	10.4985483	0.77994212	0.00188265	0.00203566	1.9869E-05	0.00186278	0.00264229	0.00063	0	0	0	0.0000	0.0026396	10.4966657	2.51142105	477.17	39.7641667	0.0931263	0.09310329	10.4966887
1	0.004502382	10.4985515	0.77951729	0.00187386	0.00202616	1.9777E-05	0.00185409	0.00262852	0.00063	0	0	0	0.0000	0.00262584	10.4966776	2.51142391	477.170542	39.7642119	0.0931263	0.09310339	10.4967005
2	0.004479928	10.4985546	0.77909258	0.00186511	0.0020167	1.9684E-05	0.00184543	0.00261482	0.00062	0	0	0	0.0000	0.00262155	10.4966895	2.51142675	477.171083	39.7642569	0.0931263	0.0931035	10.4967123
3	0.004457581	10.4985577	0.77866799	0.00185654	0.00200728	1.9592E-05	0.00183681	0.00260118	0.00062	0	0	0	0.0000	0.00259853	10.4967013	2.51142958	477.171162	39.7643017	0.0931263	0.0931036	10.496724
4	0.004435339	10.4985608	0.77824353	0.00184773	0.00201979	1.95E-05	0.00182822	0.00258761	0.00062	0	0	0	0.0000	0.00258498	10.4967131	2.5114324	477.171256	39.7643463	0.0931263	0.09310371	10.4967357
5	0.004413203	10.4985639	0.77781919	0.00183909	0.00198856	1.9409E-05	0.00181968	0.00257411	0.00062	0	0	0	0.0000	0.00257149	10.4967248	2.51143521	477.172689	39.7643908	0.0931263	0.09310381	10.4967473
6	0.004391171	10.498567	0.77739497	0.00183049	0.00197927	1.9318E-05	0.00181117	0.00256068	0.00061	0	0	0	0.0000	0.00255807	10.4967365	2.511438	477.17322	39.764435	0.0931263	0.09310392	10.4967589
7	0.004369244	10.4985701	0.77697088	0.00182193	0.00197001	1.9228E-05	0.0018027	0.00254731	0.00061	0	0	0	0.0000	0.00254472	10.4967481	2.51144078	477.173748	39.764479	0.0931263	0.09310402	10.4967704
8	0.004347421	10.4985731	0.77654691	0.00181341	0.0019608	1.9138E-05	0.00179427	0.00253401	0.00061	0	0	0	0.0000	0.00253143	10.4967597	2.51144355	477.174275	39.7645229	0.0931263	0.09310412	10.4967819
9	0.004325702	10.4985762	0.77612306	0.00180493	0.00195162	1.9047E-05	0.00178588	0.00252078	0.0006	0	0	0	0.0000	0.00252182	10.4967712	2.51144631	477.174799	39.7645665	0.0931263	0.09310422	10.4967933
10	0.004304065	10.4985792	0.77570469	0.00179649	0.00194249	1.8959E-05	0.00177750	0.00250761	0.0006	0	0	0	0.0000	0.00250457	10.4967827	2.51144921	477.17532	39.76461	0.0931263	0.09310433	10.4968047
11	0.004282571	10.4985822	0.77525754	0.00178807	0.00193334	1.8871E-05	0.00176762	0.00249495	0.00060	0	0	0	0.0000	0.00249196	10.4967941	2.51145179	477.175784	39.7646533	0.0931263	0.09310443	10.496816
12	0.004261159	10.4985852	0.77485227	0.0017797	0.00192434	1.8782E-05	0.00176091	0.00248146	0.00059	0	0	0	0.0000	0.00247893	10.4968055	2.51145451	477.176357	39.7646964	0.0931263	0.09310453	10.4968273
13	0.004239849	10.4985882	0.77442892	0.00177136	0.00191533	1.8694E-05	0.00175267	0.00246849	0.00059	0	0	0	0.0000	0.00246597	10.4968168	2.51145722	477.176872	39.7647393	0.0931263	0.09310463	10.4968385
14	0.00421864	10.4985912	0.77400569	0.00176306	0.00190636	1.8607E-05	0.00174446	0.00245558	0.00058	0	0	0	0.0000	0.00245308	10.4968281	2.51145992	477.177384	39.764782	0.0931263	0.09310473	10.4968497
15	0.004197532	10.4985942	0.77358259	0.00175468	0.00189742	1.8521E-05	0.00173628	0.00244273	0.00058	0	0	0	0.0000	0.00244024	10.4968394	2.5114626	477.177895	39.7648246	0.0931263	0.09310483	10.4968608
16	0.004176324	10.4985971	0.77316083	0.00174621	0.00188853	1.8433E-05	0.00172817	0.00242995	0.00057	0	0	0	0.0000	0.00243741	10.4968506	2.51146533	477.178401	39.7648689	0.0931263	0.09310493	10.4968719
17	0.004155615	10.4986	0.77275675	0.00173839	0.00187967	1.8346E-05	0.00172004	0.00241723	0.00058	0	0	0	0.0000	0.00242477	10.4968617	2.51146794	477.178900	39.7649091	0.0931263	0.09310503	10.4968829
18	0.004134807	10.498603	0.77231402	0.00173023	0.00187086	1.826E-05	0.00171197	0.00240457	0.00058	0	0	0	0.0000	0.00240213	10.4968727	2.51147059	477.179413	39.7649511	0.0931263	0.09310512	10.4968939
19	0.004114097	10.4986059	0.77189141	0.00172211	0.00186208	1.8175E-05	0.00170394	0.00239198	0.00057	0	0	0	0.0000	0.00238955	10.4968838	2.51147323	477.179914	39.7649929	0.0931263	0.09310522	10.4969049
20	0.004093485	10.4986088	0.77146893	0.00171403	0.00185334	1.8089E-05	0.00169594	0.00237945	0.00057	0	0	0	0.0000	0.00237703	10.4968948	2.51147586	477.180414	39.7650345	0.0931263	0.09310532	10.4969157
21	0.004072712	10.498617	0.77104657	0.00170549	0.00184464	1.8004E-05	0.00168798	0.00236698	0.00057	0	0	0	0.0000	0.00236457	10.4969057	2.51147852	477.180911	39.7650759	0.0931263	0.09310541	10.4969266
22	0.004052556	10.4986146	0.77062433	0.00169798	0.00183598	1.7927E-05	0.00168006	0.00235458	0.00056	0	0	0	0.0000	0.00235218	10.4969166	2.51148108	477.181406	39.7651172	0.0931263	0.09310551	10.4969374
23	0.004032238	10.4986174	0.77020222	0.00169	0.00182736	1.7836E-05	0.00167217	0.00234223	0.00056	0	0	0	0.0000	0.00233985	10.4969274	2.51148368	477.181899	39.7651582	0.0931263	0.09310561	10.4969481
24	0.004012016	10.4986203	0.76978023	0.00168206	0.00181878	1.7752E-05	0.00166431	0.00232995	0.00055	0	0	0	0.0000	0.00232758	10.4969382	2.51148626	477.182389	39.7651991	0.0931263	0.09310571	10.4969588
1	0.00399189	10.4986231	0.76935837	0.00167416	0.00181023	1.7669E-05	0.00165649	0.00231773	0.00055	0	0	0	0.0000	0.00232537	10.496949	2.51148883	477.182878	39.7652398	0.0931263	0.0931058	10.4969695
2	0.003971861	10.498626	0.76893651	0.00166629	0.00180172	1.7586E-05															

10	0.00299063	0.4987669	0.74551725	0.00127726	0.00138107	1.348E-05	0.00126378	0.00171337	0.00041	0	0	0	0.0000	0.00171163	10.4974897	2.5116182	477.207457	39.7672881	0.0931263	0.0931106	10.4975054
11	0.002975405	0.4987691	0.74510259	0.00127116	0.00137448	1.3415E-05	0.00125775	0.00170424	0.00041	0	0	0	0.0000	0.00170251	10.497498	2.51162019	477.207835	39.7673196	0.0931263	0.0931067	10.4975136
12	0.002960253	0.4987714	0.74468806	0.00126509	0.00136791	1.3351E-05	0.00125174	0.00169516	0.00041	0	0	0	0.0000	0.00169343	10.4975063	2.51162217	477.208212	39.767351	0.0931263	0.09311074	10.4975218
13	0.002945175	0.4987716	0.74427365	0.00125905	0.00136138	1.3288E-05	0.00124576	0.00168612	0.00040	0	0	0	0.0000	0.00168441	10.4975145	2.51162414	477.208587	39.7673823	0.0931263	0.09311082	10.49753
14	0.00293017	0.4987758	0.74385937	0.00125304	0.00135488	1.3242E-05	0.00123981	0.00167713	0.00040	0	0	0	0.0000	0.00167542	10.4975227	2.51162611	477.20896	39.7674134	0.0931263	0.09311089	10.4975381
15	0.002915237	0.498778	0.74344521	0.00124705	0.0013484	1.3161E-05	0.00123389	0.00166819	0.00040	0	0	0	0.0000	0.00166649	10.4975309	2.51162806	477.209332	39.7674443	0.0931263	0.09311096	10.4975462
16	0.002900377	0.4987801	0.74303117	0.00124109	0.00134196	1.3098E-05	0.00122799	0.00165929	0.00040	0	0	0	0.0000	0.0016576	10.497539	2.51163001	477.209702	39.7674752	0.0931263	0.09311103	10.4975543
17	0.002885588	0.4987823	0.74261726	0.00123515	0.00133554	1.3035E-05	0.00122212	0.00165043	0.00039	0	0	0	0.0000	0.00164875	10.4975471	2.51163195	477.21007	39.7675059	0.0931263	0.09311111	10.4975623
18	0.002870872	0.4987845	0.74220348	0.00122925	0.00132915	1.2973E-05	0.00121627	0.00164162	0.00039	0	0	0	0.0000	0.00163995	10.4975552	2.51163388	477.210437	39.7675364	0.0931263	0.09311118	10.4975703
19	0.002856216	0.4987866	0.74178982	0.00122317	0.00132218	1.2911E-05	0.00121046	0.00163286	0.00039	0	0	0	0.0000	0.00163841	10.4975632	2.51163514	477.210807	39.7675668	0.0931263	0.09311125	10.4975783
20	0.002841652	0.4987887	0.74137628	0.00121751	0.00131647	1.2849E-05	0.00120466	0.00162414	0.00039	0	0	0	0.0000	0.00163248	10.4975712	2.51163771	477.211166	39.7675971	0.0931263	0.09311132	10.4975862
21	0.002827148	0.4987909	0.74096287	0.00121169	0.00131017	1.2788E-05	0.0011989	0.00161546	0.00039	0	0	0	0.0000	0.00161382	10.4975792	2.51163962	477.211527	39.7676273	0.0931263	0.09311139	10.4975941
22	0.002812715	0.498793	0.74054959	0.00120588	0.00130389	1.2727E-05	0.00119316	0.00160683	0.00038	0	0	0	0.0000	0.00160519	10.4975871	2.51164151	477.211888	39.7676573	0.0931263	0.09311146	10.497602
23	0.002798351	0.4987951	0.74013642	0.00120011	0.00129765	1.2666E-05	0.00118744	0.00159824	0.00038	0	0	0	0.0000	0.00159661	10.497595	2.5116434	477.212246	39.76768872	0.0931263	0.09311153	10.4976098
24	0.002784857	0.4987972	0.73972339	0.00119436	0.00129143	1.2605E-05	0.00118176	0.00158988	0.00038	0	0	0	0.0000	0.00158808	10.4976029	2.51164528	477.212603	39.7677169	0.0931263	0.0931116	10.4976176
365	1	0.002769833	0.4987993	0.73931048	0.00118864	0.00128524	1.2544E-05	0.00117609	0.00158182	0.00038	0	0	0.0000	0.00157959	10.4976107	2.51164715	477.212959	39.7677466	0.0931263	0.09311167	10.4976253
2	0.002755678	0.4988014	0.73889769	0.00118294	0.00127908	1.2484E-05	0.00117046	0.00157274	0.00038	0	0	0	0.0000	0.00157114	10.4976185	2.51164901	477.213313	39.767776	0.0931263	0.09311174	10.497633
3	0.002741591	0.4988035	0.73848503	0.00117727	0.00127295	1.2425E-05	0.00116484	0.00156432	0.00037	0	0	0	0.0000	0.00156273	10.4976262	2.51165087	477.213665	39.7678054	0.0931263	0.09311181	10.4976407
4	0.002727573	0.4988056	0.73807249	0.00117162	0.00126685	1.2365E-05	0.00115926	0.00155595	0.00037	0	0	0	0.0000	0.00155436	10.4976339	2.51165271	477.214016	39.7678346	0.0931263	0.09311188	10.4976484
5	0.002713623	0.4988076	0.73766008	0.001166	0.00126077	1.2306E-05	0.0011537	0.00154762	0.00037	0	0	0	0.0000	0.00154604	10.4976416	2.51165455	477.214365	39.7678637	0.0931263	0.09311194	10.497656
6	0.002699741	0.4988097	0.73724779	0.00116041	0.00125472	1.2247E-05	0.00114816	0.00153933	0.00037	0	0	0	0.0000	0.00153776	10.4976493	2.51165638	477.214712	39.7678927	0.0931263	0.09311201	10.4976635
7	0.002685926	0.4988117	0.73683563	0.00115484	0.0012487	1.2188E-05	0.00114265	0.00153109	0.00037	0	0	0	0.0000	0.00152953	10.4976569	2.5116582	477.215058	39.7679215	0.0931263	0.09311208	10.4976711
8	0.002672179	0.4988137	0.73642359	0.0011493	0.0012427	1.2129E-05	0.00113717	0.00152288	0.00036	0	0	0	0.0000	0.00152133	10.4976644	2.51166001	477.215403	39.7679502	0.0931263	0.09311215	10.4976786
9	0.002658498	0.4988158	0.73601168	0.00114378	0.00123674	1.2071E-05	0.00113171	0.00151472	0.00036	0	0	0	0.0000	0.00151318	10.497672	2.51166182	477.215746	39.7679788	0.0931263	0.09311221	10.4976861
10	0.002644884	0.4988178	0.73559989	0.00113828	0.0012308	1.2013E-05	0.00112627	0.0015066	0.00036	0	0	0	0.0000	0.00150507	10.4976795	2.51166362	477.216087	39.7680073	0.0931263	0.09311228	10.4976935
11	0.002631316	0.4988198	0.73518823	0.00113281	0.00122488	1.1955E-05	0.00112086	0.00149852	0.00035	0	0	0	0.0000	0.00149707	10.4977078	2.51166541	477.216427	39.7680356	0.0931263	0.09311235	10.4977009
12	0.002617854	0.4988218	0.73477651	0.00112737	0.0012189	1.1898E-05	0.00111537	0.00149048	0.00035	0	0	0	0.0000	0.00148897	10.4977164	2.51166728	477.216765	39.7680638	0.0931263	0.09311242	10.4977083
13	0.002604438	0.4988238	0.73436528	0.00112195	0.00121314	1.1841E-05	0.00111011	0.00148249	0.00035	0	0	0	0.0000	0.00148098	10.4977248	2.51166894	477.217102	39.7680919	0.0931263	0.09311248	10.4977157
14	0.002591087	0.4988258	0.73395399	0.00111655	0.0012073	1.1784E-05	0.00110477	0.00147453	0.00035	0	0	0	0.0000	0.00147303	10.4977292	2.51167072	477.217438	39.7681198	0.0931263	0.09311254	10.497723
15	0.002577801	0.4988277	0.73354283	0.00111118	0.0012015	1.1727E-05	0.00109946	0.00146662	0.00035	0	0	0	0.0000	0.00146512	10.4977361	2.51167248	477.217772	39.7681476	0.0931263	0.09311261	10.4977302
16	0.00256458	0.4988297	0.73313179	0.00110584	0.00119572	1.1671E-05	0.00109417	0.00145874	0.00035	0	0	0	0.0000	0.00145726	10.4977239	2.51167423	477.218104	39.7681753	0.0931263	0.09311267	10.4977375
17	0.002551423	0.4988317	0.73272088	0.00110052	0.00118996	1.1614E-05	0.0010889	0.00145091	0.00035	0	0	0	0.0000	0.00144943	10.4977311	2.51167597	477.218435	39.7682029	0.0931263	0.09311274	10.4977447
18	0.002538311	0.4988337	0.73230921	0.00109522	0.00118423	1.1559E-05	0.00108346	0.00144311	0.00034	0	0	0	0.0000	0.00144161	10.4977384	2.51167771	477.218764	39.7682308	0.0931263	0.0931128	10.4977519
19	0.002525302	0.4988355	0.73189943	0.00108995	0.00117853	1.1503E-05	0.00107844	0.00143536	0.00034	0	0	0	0.0000	0.00143389	10.4977456	2.51167943	477.219092	39.7682577	0.0931263	0.09311287	10.497759
20	0.002512337	0.4988375	0.73148889	0.00108487	0.00117285	1.1448E-05	0.00107325	0.00142764	0.00034	0	0	0	0.0000	0.00142619	10.4977528	2.51168115	477.219419	39.7682849	0.0931263	0.09311293	10.4977662
21	0.002499435	0.4988394	0.73107848	0.00107947	0.0011672	1.1392E-05	0.00106808	0.00141997	0.00034	0	0	0	0.0000	0.00141852	10.4977599	2.51168286	477.219744	39.768312	0.0931263	0.09311299	10.4977732
22	0.002486596	0.4988413	0.73066819	0.00107427	0.00116158	1.1337E-05	0.00106293	0.00141233	0.00034	0	0	0	0.0000	0.00141089	10.4977671	2.51168456	477.220067	39.7683389	0.0931263	0.09311306	10.4977803
23	0.00247382	0.4988433	0.73025805	0.00106909	0.00115598	1.1282E-05	0.00105741	0.00140473	0.00033	0	0	0	0.0000	0.00140813	10.4977743	2.51168627	477.220388	39.7683658	0.0931263	0.09311312	10.4977873
24	0.002461106	0.4988451	0.72984799	0.00106393	0.00115041	1.1228E-05	0.00105271	0.00139717	0.00033	0	0	0	0.0000	0.00139575	10.4977812	2.51168795	477.220707	39.7683925	0.0931263	0.09311318	10.4977943
366	1	0.002448454	0.498847	0.72943808	0.00105888	0.00114486	1.1174E-05	0.00104763	0.00138965	0.00033	0	0	0.0000	0.00138824	10.4977882	2.51168963	477.221029	39.7684191	0.0931263	0.09311324	10.4978013
2	0.002435864	0.4988489	0.72902829	0.0010537	0.00113933	1.1121E-05	0.00104257	0.00138217	0.00033	0	0	0	0.0000	0.00138076	10.4977952	2.51169133	477.221347	39.7684456	0.0931263	0.09311331	10.4978082
3	0.002423336	0.4988508	0.72861863	0.00104861	0.00113384	1.1067E-05	0.00103754	0.00137473	0.00033	0	0	0	0.0000	0.00137333	10.4978022	2.51169296	477.221663	39.7684719	0.0931263	0.09311337	10.4978151
4	0.002410869	0.4988526	0.72820921	0.00104355	0.00112836	1.1013E-05	0.00103254														

12	0.001802219	10.4989452	0.70547524	0.00079417	0.00085857	8.3814E-06	0.00078579	0.00100805	0.00024	0	0	0	0.0000	0.00100702	10.4981511	2.51177644	477.237524	39.7697937	0.0031263	0.09311646	10.4981609
13	0.00179281	10.4989467	0.70507286	0.00079028	0.00085451	8.3403E-06	0.00078194	0.00100253	0.00024	0	0	0	0.0000	0.00100151	10.4981564	2.51177772	477.237768	39.769814	0.0031263	0.09311651	10.4981662
14	0.001783449	10.4989481	0.70467861	0.0007864	0.00085031	8.2946E-06	0.00077781	0.00099705	0.00024	0	0	0	0.0000	0.00099603	10.4981617	2.5117779	477.237801	39.769841	0.0031263	0.09311656	10.4981715
15	0.001774134	10.4989496	0.70428848	0.00078254	0.00084614	8.2587E-06	0.00077428	0.00099159	0.00024	0	0	0	0.0000	0.00099058	10.4981684	2.51178027	477.238251	39.7698542	0.0031263	0.0931166	10.4981767
16	0.001764865	10.498951	0.70386648	0.0007787	0.00084199	8.2182E-06	0.00077048	0.00098616	0.00024	0	0	0	0.0000	0.00098516	10.4981723	2.51178153	477.238491	39.7698742	0.0031263	0.09311665	10.498182
17	0.001755642	10.4989525	0.7034646	0.00077488	0.00083786	8.1778E-06	0.0007667	0.00098076	0.00023	0	0	0	0.0000	0.00097976	10.4981776	2.51178279	477.238729	39.7698941	0.0031263	0.09311667	10.4981872
18	0.001746465	10.4989539	0.70306285	0.00077108	0.00083375	8.1377E-06	0.00076294	0.00097539	0.00023	0	0	0	0.0000	0.00097439	10.4981828	2.51178404	477.238967	39.7699139	0.0031263	0.09311674	10.4981924
19	0.001737334	10.4989553	0.70266122	0.00076729	0.00082965	8.0977E-06	0.00075919	0.00097004	0.00023	0	0	0	0.0000	0.00096906	10.498188	2.51178528	477.239204	39.7699336	0.0031263	0.09311679	10.4981975
20	0.001728248	10.4989567	0.70226973	0.00076352	0.00082558	8.058E-06	0.00075546	0.00096473	0.00023	0	0	0	0.0000	0.00096374	10.4981932	2.51178652	477.239439	39.7699533	0.0031263	0.09311684	10.4982027
21	0.001719207	10.4989581	0.70187835	0.00075977	0.00082152	8.0184E-06	0.00075175	0.00095944	0.00023	0	0	0	0.0000	0.00096245	10.4981984	2.51178776	477.239674	39.7699728	0.0031263	0.09311689	10.4982078
22	0.001710211	10.4989595	0.70145711	0.00075604	0.00081748	7.979E-06	0.00074806	0.00095418	0.00023	0	0	0	0.0000	0.00095532	10.4982038	2.51178899	477.239907	39.7699923	0.0031263	0.09311693	10.4982129
23	0.00170126	10.4989609	0.70105599	0.00075232	0.00081346	7.9397E-06	0.00074438	0.00094984	0.00023	0	0	0	0.0000	0.00094797	10.4982086	2.51179021	477.24014	39.7700116	0.0031263	0.09311697	10.4982179
24	0.001692354	10.4989623	0.70065499	0.00074862	0.00080946	7.9007E-06	0.00074072	0.00094573	0.00023	0	0	0	0.0000	0.00094277	10.4982137	2.51179143	477.240371	39.7700309	0.0031263	0.09311702	10.4982223
369	0.001683492	10.4989637	0.70025413	0.00074494	0.00080548	7.8618E-06	0.00073708	0.00093855	0.00022	0	0	0	0.0000	0.00093976	10.4982188	2.51179264	477.240601	39.7700501	0.0031263	0.09311706	10.4982278
	0.001674674	10.4989651	0.69985338	0.00074127	0.00080152	7.8231E-06	0.00073345	0.0009334	0.00022	0	0	0	0.0000	0.00093245	10.4982238	2.51179384	477.24083	39.7700692	0.0031263	0.09311711	10.498233
	0.0016659	10.4989664	0.69945277	0.00073762	0.00079757	7.7846E-06	0.00072984	0.00092828	0.00022	0	0	0	0.0000	0.00092733	10.4982288	2.51179504	477.241058	39.7700882	0.0031263	0.09311715	10.498238
	0.00165717	10.4989678	0.69905228	0.00073399	0.00079365	7.7463E-06	0.00072625	0.00092318	0.00022	0	0	0	0.0000	0.00092224	10.4982338	2.51179624	477.241285	39.7701071	0.0031263	0.0931172	10.4982429
	0.001648483	10.4989692	0.69865192	0.00073038	0.00078974	7.7082E-06	0.00072267	0.0009181	0.00022	0	0	0	0.0000	0.00091717	10.4982388	2.51179743	477.241512	39.770126	0.0031263	0.09311724	10.4982478
	0.001639839	10.4989705	0.69825168	0.00072678	0.00078585	7.6702E-06	0.00071911	0.00091306	0.00022	0	0	0	0.0000	0.00091213	10.4982437	2.51179861	477.241737	39.7701447	0.0031263	0.09311728	10.4982527
	0.001631239	10.4989719	0.69785157	0.00072321	0.00078198	7.6324E-06	0.00071557	0.00090804	0.00022	0	0	0	0.0000	0.00090711	10.4982487	2.51179979	477.241961	39.7701634	0.0031263	0.09311733	10.4982576
	0.001622682	10.4989732	0.69745158	0.00071964	0.00077812	7.5948E-06	0.00071204	0.00090305	0.00022	0	0	0	0.0000	0.00090213	10.4982536	2.51180097	477.242183	39.770182	0.0031263	0.09311737	10.4982625
	0.001614167	10.4989745	0.69705172	0.00071609	0.00077429	7.5574E-06	0.00070853	0.00089808	0.00021	0	0	0	0.0000	0.00089716	10.4982584	2.51180213	477.242405	39.7702004	0.0031263	0.09311742	10.4982673
	0.001605695	10.4989759	0.69665199	0.00071256	0.00077047	7.5201E-06	0.00070504	0.00089314	0.00021	0	0	0	0.0000	0.00089223	10.4982633	2.5118033	477.242626	39.7702189	0.0031263	0.09311746	10.4982721
370	0.001597265	10.4989772	0.69625238	0.00070904	0.00076667	7.483E-06	0.00070156	0.00088822	0.00021	0	0	0	0.0000	0.00088732	10.4982681	2.51180445	477.242846	39.7702372	0.0031263	0.0931175	10.4982769
	0.001588877	10.4989785	0.69585259	0.00070554	0.00076289	7.4461E-06	0.00069681	0.00088333	0.00021	0	0	0	0.0000	0.00088243	10.498273	2.51180561	477.243065	39.7702554	0.0031263	0.09311754	10.4982817
	0.001580531	10.4989798	0.69545355	0.00070206	0.00075912	7.4093E-06	0.00069245	0.00087847	0.00021	0	0	0	0.0000	0.00087757	10.4982787	2.51180675	477.243283	39.7702736	0.0031263	0.09311759	10.4982865
	0.001572227	10.4989812	0.69505338	0.00069856	0.00075538	7.3728E-06	0.00068912	0.00087363	0.00021	0	0	0	0.0000	0.00087221	10.4982837	2.51180794	477.2435	39.7702922	0.0031263	0.09311763	10.4982912
	0.00156364	10.4989824	0.69465522	0.00069455	0.00075165	7.3364E-06	0.00068478	0.00086882	0.00021	0	0	0	0.0000	0.00086793	10.4982892	2.51180903	477.243716	39.7703096	0.0031263	0.09311767	10.4982959
	0.001555742	10.4989837	0.69425624	0.00069171	0.00074793	7.3001E-06	0.00068041	0.00086403	0.00021	0	0	0	0.0000	0.00086315	10.4982892	2.51181016	477.243931	39.7703276	0.0031263	0.09311771	10.4983006
	0.001547562	10.498985	0.69385739	0.00068883	0.00074424	7.2641E-06	0.00067603	0.00085927	0.00021	0	0	0	0.0000	0.00085839	10.4982967	2.51181129	477.244145	39.7703454	0.0031263	0.09311775	10.4983052
	0.001539423	10.4989863	0.69345867	0.00068649	0.00074056	7.2282E-06	0.00067267	0.00085453	0.00020	0	0	0	0.0000	0.00085366	10.4983034	2.51181241	477.244357	39.7703631	0.0031263	0.09311778	10.4983099
	0.001531324	10.4989876	0.69306007	0.00068415	0.0007369	7.1924E-06	0.00066932	0.00084981	0.00020	0	0	0	0.0000	0.00084895	10.4983016	2.51181352	477.244569	39.7703808	0.0031263	0.09311784	10.4983145
	0.001523266	10.498989	0.69266158	0.00068184	0.00073326	7.1569E-06	0.00066594	0.00084513	0.00020	0	0	0	0.0000	0.00084421	10.4983045	2.51181478	477.24478	39.7703984	0.0031263	0.09311789	10.4983191
	0.001515248	10.4989901	0.69226326	0.00067479	0.00072963	7.1215E-06	0.00066266	0.00084046	0.00020	0	0	0	0.0000	0.00083961	10.4983153	2.51181574	477.24499	39.7704159	0.0031263	0.09311792	10.4983237
371	0.001507727	10.4989914	0.69186504	0.00067145	0.00072602	7.0862E-06	0.00065934	0.00083582	0.00020	0	0	0	0.0000	0.00083497	10.4983199	2.51181684	477.245199	39.7704333	0.0031263	0.09311796	10.4983282
	0.001499333	10.4989926	0.69146695	0.00066813	0.00072243	7.0512E-06	0.00065607	0.00083121	0.00020	0	0	0	0.0000	0.00083036	10.4983245	2.51181793	477.245408	39.7704506	0.0031263	0.093118	10.4983328
	0.001491435	10.4989939	0.69106899	0.00066482	0.00071885	7.0163E-06	0.00065278	0.00082662	0.00020	0	0	0	0.0000	0.00082577	10.498329	2.51181902	477.245615	39.7704679	0.0031263	0.09311804	10.4983373
	0.001483576	10.4989952	0.69067159	0.00066158	0.00071529	6.9815E-06	0.00064954	0.00082205	0.00020	0	0	0	0.0000	0.00082107	10.4983342	2.					

14	0.001072079	10.4990614	0.66664246	0.00048744	0.00052706	5.1443E-06	0.0004823	0.00058464	0.00014	0	0	0	0.000	0.00058404	10.4985739	2.51187762	477.256748	39.7713957	0.0931263	0.09312021	10.49858
15	0.001066339	10.4990623	0.66625248	0.00048499	0.00052441	5.1184E-06	0.00047987	0.00058135	0.00014	0	0	0	0.000	0.00058076	10.4985773	2.51187843	477.256902	39.7714085	0.0931263	0.09312024	10.4985834
16	0.001066629	10.4990633	0.66586263	0.00048254	0.00052466	5.0926E-06	0.00047745	0.00057808	0.00014	0	0	0	0.000	0.00057775	10.49858007	2.51187924	477.257056	39.7714214	0.0931263	0.09312027	10.4985868
17	0.001054947	10.4990642	0.66547291	0.00048011	0.00051913	5.067E-06	0.00047505	0.00057483	0.00014	0	0	0	0.000	0.00057425	10.49858484	2.51188005	477.257209	39.7714341	0.0931263	0.0931203	10.4985901
18	0.001040295	10.4990651	0.66505831	0.00047769	0.00051652	5.0414E-06	0.00047265	0.00057104	0.00014	0	0	0	0.000	0.00057102	10.49858474	2.51188085	477.257362	39.7714468	0.0931263	0.09312033	10.4985934
19	0.001043671	10.4990661	0.66469384	0.00047528	0.00051391	5.016E-06	0.00047027	0.00056839	0.00014	0	0	0	0.000	0.00056781	10.4985908	2.51188165	477.257513	39.7714594	0.0931263	0.09312036	10.4985967
20	0.001038076	10.4990667	0.66430449	0.00047289	0.00051132	4.9907E-06	0.0004679	0.00056519	0.00014	0	0	0	0.000	0.00056461	10.4985941	2.51188244	477.257664	39.771472	0.0931263	0.09312039	10.4986
21	0.00103251	10.4990679	0.66391528	0.0004705	0.00050874	4.9655E-06	0.00046554	0.00056201	0.00013	0	0	0	0.000	0.00056144	10.4985974	2.51188323	477.257814	39.7714845	0.0931263	0.09312042	10.4986033
22	0.00102672	10.4990688	0.66352619	0.00046813	0.00050617	4.9405E-06	0.00046319	0.00055884	0.00013	0	0	0	0.000	0.00055827	10.4986007	2.51188402	477.257964	39.771497	0.0931263	0.09312045	10.4986065
23	0.001021462	10.4990697	0.66311723	0.00046576	0.00050362	4.9155E-06	0.00046051	0.00055571	0.00013	0	0	0	0.000	0.00055513	10.4986034	2.51188484	477.258113	39.7715094	0.0931263	0.09312048	10.4986098
24	0.00101598	10.4990706	0.66274839	0.00046341	0.00050108	4.8907E-06	0.00045852	0.00055257	0.00013	0	0	0	0.000	0.000552	10.4986072	2.51188558	477.258261	39.7715217	0.0931263	0.09312051	10.498613
25	0.001010527	10.4990715	0.66235969	0.00046107	0.00049855	4.866E-06	0.00045621	0.00054945	0.00013	0	0	0	0.000	0.00054889	10.4986105	2.51188636	477.258408	39.771534	0.0931263	0.09312054	10.4986162
26	0.001005101	10.4990724	0.66197111	0.00045874	0.00049603	4.8414E-06	0.00045439	0.00054636	0.00013	0	0	0	0.000	0.00054548	10.4986137	2.51188713	477.258555	39.7715462	0.0931263	0.09312057	10.4986194
27	0.000999703	10.4990733	0.66158266	0.00045643	0.00049352	4.817E-06	0.00045161	0.00054328	0.00013	0	0	0	0.000	0.00054272	10.4986169	2.51188779	477.258701	39.7715584	0.0931263	0.09312059	10.4986226
28	0.000994332	10.4990742	0.66119433	0.00045412	0.00049103	4.7926E-06	0.00044893	0.00054021	0.00013	0	0	0	0.000	0.00053966	10.4986201	2.51188866	477.258846	39.7715705	0.0931263	0.09312062	10.4986258
29	0.000988989	10.4990751	0.66080613	0.00045182	0.00048854	4.7684E-06	0.00044705	0.00053717	0.00013	0	0	0	0.000	0.00053662	10.4986233	2.51188942	477.258991	39.7715825	0.0931263	0.09312065	10.4986299
30	0.000983674	10.499076	0.66041806	0.00044954	0.00048607	4.7443E-06	0.00044479	0.00053414	0.00013	0	0	0	0.000	0.00053359	10.4986264	2.51189018	477.259135	39.7715945	0.0931263	0.09312068	10.4986321
31	0.000978385	10.4990769	0.66003012	0.00044726	0.00048361	4.7203E-06	0.00044254	0.00053112	0.00013	0	0	0	0.000	0.00053058	10.4986296	2.51189094	477.259278	39.7716065	0.0931263	0.09312071	10.4986352
32	0.000973124	10.4990777	0.6596423	0.000445	0.00048117	4.6964E-06	0.00044003	0.00052812	0.00013	0	0	0	0.000	0.00052759	10.4986327	2.51189169	477.25942	39.7716184	0.0931263	0.09312074	10.4986383
33	0.00096789	10.4990786	0.65925461	0.00044275	0.00047873	4.6726E-06	0.00043808	0.00052514	0.00013	0	0	0	0.000	0.00052461	10.4986359	2.51189243	477.259562	39.7716302	0.0931263	0.09312076	10.4986414
34	0.000962682	10.4990795	0.65886705	0.00044051	0.00047631	4.649E-06	0.00043586	0.00052218	0.00012	0	0	0	0.000	0.00052164	10.498639	2.51189318	477.259704	39.771642	0.0931263	0.09312079	10.4986445
35	0.000957501	10.4990803	0.65847962	0.00043828	0.0004739	4.6254E-06	0.00043365	0.00051923	0.00012	0	0	0	0.000	0.0005187	10.4986421	2.51189392	477.259844	39.7716537	0.0931263	0.09312082	10.4986475
36	0.000952347	10.4990812	0.65809231	0.00043606	0.0004715	4.602E-06	0.00043145	0.00051629	0.00012	0	0	0	0.000	0.00051577	10.4986451	2.51189465	477.259984	39.7716653	0.0931263	0.09312085	10.4986506
37	0.000947219	10.499082	0.65770514	0.00043385	0.00046911	4.5787E-06	0.00042927	0.00051337	0.00012	0	0	0	0.000	0.00051285	10.4986482	2.51189539	477.260123	39.7716769	0.0931263	0.09312087	10.4986536
38	0.000942117	10.4990829	0.65731808	0.00043165	0.00046673	4.5555E-06	0.00042709	0.00051047	0.00012	0	0	0	0.000	0.00050995	10.4986512	2.51189612	477.260262	39.7716885	0.0931263	0.0931209	10.4986566
39	0.000937042	10.4990837	0.65693116	0.00042946	0.00046436	4.5324E-06	0.00042493	0.00050758	0.00012	0	0	0	0.000	0.00050707	10.4986538	2.51189684	477.2604	39.7717	0.0931263	0.09312093	10.4986597
40	0.000931992	10.4990846	0.65654436	0.00042728	0.00046201	4.5094E-06	0.00042247	0.00050471	0.00012	0	0	0	0.000	0.00050642	10.4986569	2.51189757	477.260537	39.7717114	0.0931263	0.09312096	10.4986627
41	0.000926969	10.4990854	0.65615769	0.00042511	0.00045964	4.4865E-06	0.00042063	0.00050186	0.00012	0	0	0	0.000	0.000505134	10.4986602	2.51189828	477.260674	39.7717228	0.0931263	0.09312098	10.4986656
42	0.000921971	10.4990863	0.65577115	0.00042296	0.00045733	4.4637E-06	0.00041849	0.00049901	0.00012	0	0	0	0.000	0.00049851	10.4986633	2.511899	477.26081	39.7717342	0.0931263	0.09312101	10.4986686
43	0.000916999	10.4990871	0.65538474	0.00042081	0.00045501	4.4411E-06	0.00041637	0.00049619	0.00012	0	0	0	0.000	0.00049568	10.4986663	2.51189971	477.260945	39.7717454	0.0931263	0.09312103	10.4986715
44	0.000912052	10.4990879	0.65499845	0.00041867	0.0004527	4.4185E-06	0.00041425	0.00049338	0.00012	0	0	0	0.000	0.00049288	10.4986692	2.51190042	477.26108	39.7717567	0.0931263	0.09312106	10.4986745
45	0.000907131	10.4990887	0.65461229	0.00041655	0.0004504	4.3961E-06	0.00041215	0.00049058	0.00012	0	0	0	0.000	0.00049008	10.4986722	2.51190113	477.261214	39.7717678	0.0931263	0.09312109	10.4986794
46	0.000902235	10.4990894	0.65422626	0.00041441	0.00044811	4.3738E-06	0.00041071	0.0004878	0.00012	0	0	0	0.000	0.00048942	10.4986751	2.51190184	477.261341	39.771779	0.0931263	0.09312111	10.4986843
47	0.000897365	10.4990904	0.65384036	0.00041233	0.00044584	4.3515E-06	0.00040797	0.00048504	0.00012	0	0	0	0.000	0.00048455	10.4986781	2.51190253	477.26148	39.77179	0.0931263	0.09312114	10.4986892
48	0.000892519	10.4990912	0.65345458	0.00041023	0.00044357	4.3294E-06	0.00040459	0.00048229	0.00012	0	0	0	0.000	0.0004818	10.498681	2.51190322	477.261613	39.771801	0.0931263	0.09312116	10.4986961
49	0.000887698	10.499092	0.65306893	0.00040814	0.00044132	4.3074E-06	0.00040384	0.00047955	0.00011	0	0	0	0.000	0.00047907	10.4986839	2.51190392	477.261744	39.771812	0.0931263	0.09312119	10.4986989
50	0.000882902	10.4990928	0.65268341	0.00040607	0.00043907	4.2855E-06	0.00040178	0.00047683	0.00011	0	0	0	0.000	0.00047635	10.4986867	2.51190461	477.261875	39.7718229	0.0931263	0.09312121	10.4986948
51	0.000878131	10.4990934	0.65229602	0.00040404	0.00043684	4.2637E-06	0.00039974	0.00047413	0.00011	0	0	0	0.000	0.00047434	10.4986896	2.51190531	477.262005	39.7718348	0.0931263	0.09312124	10.4986997
52	0.000873384	10.4990944	0.65191275	0.00040195	0.00043462	4.242E-06	0.00039771	0.00047144	0.00011	0	0	0	0.000	0.00047096	10.4986925	2.51190597	477.262135	39.7718446	0.0931263	0.09312127	10.4986975
53	0.000868662	10.4990952	0.65152761	0.0003999	0.0004324	4.2204E-06	0.00039568	0.00046876	0.00011	0	0	0	0.000	0.00046828	10.4986953	2.51190665	477.262264	39.7718554	0.0931263	0.09312129	10.4987003
54	0.000863964	10.499096	0.6511426	0.00039787	0.0004302	4.1989E-06	0.00039367	0.00046661	0.00011	0	0	0	0.000	0.00046562	10.4986981	2.51190733	477.262393	39.7718661	0.0931263	0.09312132	10.4987031
55	0.00085929	10.4990968	0.65075772	0.00039584	0.00042801	4.1776E-06	0.00039166	0.00046435	0.00011	0	0	0	0.000	0.00046298	10.4987009	2.511908	477.262521	39.7718767	0.0931263	0.09312134	10.4987059
56	0.000854641	10.4990976	0.65037296	0.00039382	0.00042583	4.1556E-06	0.00038967	0.000													

16	0.00062928	10.4991362	0.62903074	0.0002952	0.00031919	3.1155e-06	0.00029209	0.00033408	0.00008	0	0	0	0.0000	0.00033374	10.498841	2.51194151	477.268887	39.7724073	0.0931263	0.09312258	10.4988447
17	0.000625824	10.4991368	0.62865328	0.0002967	0.00031754	3.0993e-06	0.00029057	0.00033215	0.00008	0	0	0	0.0000	0.00033181	10.4988431	2.51194202	477.268984	39.7724153	0.0931263	0.09312266	10.4988468
18	0.00062286	10.4991374	0.62827595	0.0002915	0.0003159	3.0833e-06	0.00028907	0.00033023	0.00008	0	0	0	0.0000	0.00032999	10.4988452	2.51194253	477.26908	39.7724234	0.0931263	0.09312262	10.4988489
19	0.000618967	10.499138	0.62789875	0.00029064	0.00031426	3.0673e-06	0.00028757	0.00032833	0.00008	0	0	0	0.0000	0.00032799	10.4988473	2.51194303	477.269176	39.7724314	0.0931263	0.09312264	10.498851
20	0.000615565	10.4991386	0.62752167	0.00028914	0.00031264	3.0514e-06	0.00028608	0.00032643	0.00008	0	0	0	0.0000	0.00032661	10.4988494	2.51194354	477.269272	39.7724393	0.0931263	0.09312266	10.4988531
21	0.000612181	10.4991392	0.62714472	0.00028764	0.00031102	3.0356e-06	0.0002846	0.00032454	0.00008	0	0	0	0.0000	0.00032421	10.4988515	2.51194404	477.269367	39.7724472	0.0931263	0.09312268	10.4988552
22	0.000608815	10.4991398	0.62676791	0.00028615	0.0003094	3.0199e-06	0.00028313	0.00032267	0.00008	0	0	0	0.0000	0.00032234	10.4988536	2.51194453	477.269461	39.7724551	0.0931263	0.09312269	10.4988572
23	0.000605466	10.4991404	0.62639122	0.00028466	0.0003078	3.0043e-06	0.00028166	0.0003208	0.00008	0	0	0	0.0000	0.00032047	10.4988557	2.51194502	477.269556	39.772463	0.0931263	0.09312271	10.4988593
24	0.000602135	10.4991409	0.62601465	0.00028319	0.0003062	2.9887e-06	0.0002802	0.00031895	0.00008	0	0	0	0.0000	0.00031862	10.4988577	2.51194552	477.269649	39.7724708	0.0931263	0.09312273	10.4988613
1	0.000598821	10.499141	0.62563822	0.00028172	0.00030462	2.9732e-06	0.00027875	0.00031717	0.00008	0	0	0	0.0000	0.00031671	10.4988598	2.51194601	477.269742	39.7724785	0.0931263	0.09312275	10.4988631
2	0.000595525	10.4991421	0.62526192	0.00028026	0.00030304	2.9578e-06	0.00027773	0.00031527	0.00008	0	0	0	0.0000	0.00031495	10.4988618	2.5119465	477.269835	39.7724863	0.0931263	0.09312277	10.4988654
3	0.000592246	10.4991427	0.62488574	0.00027878	0.00030146	2.9424e-06	0.00027586	0.00031344	0.00007	0	0	0	0.0000	0.00031312	10.4988639	2.51194699	477.269927	39.772494	0.0931263	0.09312279	10.4988674
4	0.000588984	10.4991432	0.62450969	0.00027736	0.0002999	2.9271e-06	0.00027443	0.00031163	0.00007	0	0	0	0.0000	0.00031131	10.4988659	2.51194747	477.270019	39.7725016	0.0931263	0.0931228	10.4988694
5	0.00058574	10.4991438	0.62413377	0.00027592	0.00029834	2.9119e-06	0.000273	0.00030982	0.00007	0	0	0	0.0000	0.00030951	10.4988679	2.51194795	477.270111	39.7725092	0.0931263	0.09312282	10.4988714
6	0.000582512	10.4991444	0.62375798	0.00027448	0.00029679	2.8966e-06	0.00027159	0.00030803	0.00007	0	0	0	0.0000	0.00030771	10.4988699	2.51194843	477.270202	39.7725168	0.0931263	0.09312284	10.4988734
7	0.000579302	10.499145	0.62338232	0.00027306	0.00029525	2.8818e-06	0.00027018	0.00030624	0.00007	0	0	0	0.0000	0.00030595	10.4988719	2.51194891	477.270292	39.7725244	0.0931263	0.09312286	10.4988753
8	0.000576108	10.4991455	0.62300679	0.00027164	0.00029372	2.8668e-06	0.00026877	0.00030447	0.00007	0	0	0	0.0000	0.00030416	10.4988739	2.51194938	477.270382	39.7725319	0.0931263	0.09312287	10.4988773
9	0.000572931	10.4991461	0.62263138	0.00027023	0.00029219	2.8519e-06	0.00026738	0.00030327	0.00007	0	0	0	0.0000	0.00030304	10.4988758	2.51194985	477.270472	39.7725393	0.0931263	0.09312289	10.4988793
10	0.000569771	10.4991466	0.6222561	0.00026882	0.00029067	2.8371e-06	0.00026599	0.00030095	0.00007	0	0	0	0.0000	0.00030064	10.4988778	2.51195032	477.270561	39.7725468	0.0931263	0.09312291	10.4988812
11	0.000566627	10.4991472	0.62188096	0.00026742	0.00028916	2.8223e-06	0.0002646	0.00029922	0.00007	0	0	0	0.0000	0.00029989	10.4988798	2.51195079	477.27065	39.7725542	0.0931263	0.09312293	10.4988831
12	0.0005635	10.4991477	0.62150594	0.00026603	0.00028766	2.8076e-06	0.00026323	0.00029747	0.00007	0	0	0	0.0000	0.00029715	10.4988817	2.51195125	477.270738	39.7725615	0.0931263	0.09312294	10.4988851
13	0.000560389	10.4991483	0.62113104	0.00026465	0.00028616	2.7932e-06	0.00026186	0.00029574	0.00007	0	0	0	0.0000	0.00029544	10.4988836	2.51195172	477.270826	39.7725689	0.0931263	0.09312296	10.498887
14	0.000557295	10.4991488	0.62075628	0.00026327	0.00028467	2.7785e-06	0.00026049	0.00029402	0.00007	0	0	0	0.0000	0.00029372	10.4988856	2.51195218	477.270914	39.7725762	0.0931263	0.09312298	10.4988889
15	0.000554217	10.4991494	0.62038165	0.00026189	0.00028319	2.7642e-06	0.00025914	0.00029232	0.00007	0	0	0	0.0000	0.00029202	10.4988875	2.51195264	477.271001	39.7725834	0.0931263	0.09312299	10.4988908
16	0.000551155	10.4991499	0.62000714	0.00026054	0.00028171	2.7496e-06	0.00025779	0.00029062	0.00007	0	0	0	0.0000	0.00029032	10.4988894	2.51195309	477.271088	39.7725906	0.0931263	0.09312301	10.4988927
17	0.00054811	10.4991505	0.61963276	0.00025918	0.00028024	2.7353e-06	0.00025644	0.00028893	0.00007	0	0	0	0.0000	0.00028864	10.4988913	2.51195355	477.271174	39.7725978	0.0931263	0.09312303	10.4988946
18	0.00054508	10.4991511	0.61925783	0.0002578	0.00027878	2.7212e-06	0.00025511	0.0002872	0.00007	0	0	0	0.0000	0.00028696	10.4988932	2.51195401	477.271265	39.772605	0.0931263	0.09312305	10.4988974
19	0.00054206	10.4991515	0.618884	0.00025649	0.00027733	2.7069e-06	0.00025378	0.00028558	0.00007	0	0	0	0.0000	0.00028529	10.4988951	2.51195445	477.271345	39.7726121	0.0931263	0.09312306	10.4988983
20	0.000539068	10.4991521	0.61851041	0.00025515	0.00027589	2.6928e-06	0.00025246	0.00028392	0.00007	0	0	0	0.0000	0.00028363	10.4988969	2.5119549	477.27143	39.7726192	0.0931263	0.09312308	10.4989001
21	0.000536086	10.4991526	0.61813654	0.00025382	0.00027445	2.6787e-06	0.00025114	0.00028227	0.00007	0	0	0	0.0000	0.00028198	10.4988988	2.51195534	477.271515	39.7726262	0.0931263	0.0931231	10.498902
22	0.00053312	10.4991531	0.61776281	0.00025249	0.00027302	2.6647e-06	0.00024983	0.00028063	0.00007	0	0	0	0.0000	0.00028034	10.4989006	2.51195578	477.271599	39.7726332	0.0931263	0.09312311	10.4989038
23	0.00053017	10.4991537	0.6173892	0.00025119	0.00027159	2.6508e-06	0.00024853	0.00027899	0.00007	0	0	0	0.0000	0.00027871	10.4989025	2.51195622	477.271683	39.7726402	0.0931263	0.09312313	10.4989056
24	0.00052723	10.4991543	0.61701573	0.00024987	0.00027017	2.6372e-06	0.00024729	0.00027737	0.00007	0	0	0	0.0000	0.00027702	10.4989041	2.51195668	477.271767	39.7726472	0.0931263	0.09312315	10.4989075
1	0.000524315	10.4991547	0.61664238	0.00024856	0.00026876	2.6232e-06	0.00024594	0.00027575	0.00007	0	0	0	0.0000	0.00027547	10.4989061	2.5119571	477.271849	39.7726541	0.0931263	0.09312316	10.4989093
2	0.000521411	10.4991552	0.61626916	0.00024726	0.00026736	2.6095e-06	0.00024465	0.00027415	0.00007	0	0	0	0.0000	0.00027387	10.4989079	2.51195753	477.271931	39.772661	0.0931263	0.09312318	10.4989111
3	0.000518522	10.4991557	0.61589607	0.00024597	0.00026596	2.5959e-06	0.00024338	0.00027255	0.00007	0	0	0	0.0000	0.00027227	10.4989098	2.51195797	477.272014	39.7726678	0.0931263	0.09312319	10.4989129
4	0.000515648	10.4991562	0.61552311	0.00024469	0.00026457	2.5823e-06	0.0002421	0.00027096	0.00006	0	0	0	0.0000	0.00027069	10.4989116	2.5119584	477.272095	39.7726746	0.0931263	0.09312321	10.4989146
5	0.00051279	10.4991568	0.61515028	0.00024341	0.00026319	2.5686e-06	0.00024044	0.00026939	0.00006	0	0	0	0.0000	0.00026991	10.4989133	2.51195882	477.272177	39.7726814	0.0931263	0.09312323	10.4989164
6	0.000509947	10.4991573	0.61477757	0.00024213	0.00026181	2.5545e-06	0.00023958	0.00026781	0.00006	0	0	0	0.0000	0.00026754	10.4989151	2.51195925	477.272259	39.7726881	0.0931263	0.09312324	10.4989182
7	0.000507019	10.4991578	0.614405	0.00024087	0.00026045	2.5422e-06	0.00023833	0.00026625	0.00006	0	0	0	0.0000	0.00026598	10.4989169	2.51195967	477.272338	39.7726948	0.0931263	0.09312326	10.4989199
8	0.000504305	10.4991583	0.61403255	0.00023961	0.00025908	2.5288e-06	0.00023708	0.00026447	0.00006	0	0	0	0.0000	0.00026443	10.4989187	2.5119601	477.272418	39.7727015	0.0931263	0.09312327	10.4989217
9	0.000501507	10.4991588	0.61366023	0.00023835	0.00025773	2.5155e-06	0.00023584	0.00026315	0.00006	0	0	0	0.0000	0.00026288	10.4989204	2.51196052	477.272498	39.7727082	0.0931263	0.09312329	10.4989234
10	0.000498723	10.4991593	0.61328804	0.00023711	0.00025638	2.50															

18	0.00036432	10.4991838	0.59265136	0.00017632	0.00019065	1.8608E-06	0.00017446	0.0001188	0.00004	0	0	0	0.000	0.00018781	10.4990075	2.51198134	477.276455	39.7730379	0.0931263	0.09312406	10.4990097
19	0.000362267	10.4991842	0.59286653	0.00017538	0.00018964	1.8509E-06	0.00017353	0.00018688	0.00004	0	0	0	0.000	0.00018669	10.4990088	2.51198166	477.276515	39.7730429	0.0931263	0.09312407	10.499011
20	0.000360226	10.4991845	0.59192183	0.00017445	0.00018863	1.8411E-06	0.00017261	0.00018578	0.00004	0	0	0	0.000	0.00018559	10.4990101	2.51198197	477.276575	39.7730479	0.0931263	0.09312408	10.4990123
21	0.000358196	10.4991849	0.59157726	0.00017352	0.00018763	1.8313E-06	0.00017169	0.00018467	0.00004	0	0	0	0.000	0.00018449	10.4990114	2.51198218	477.276634	39.7730528	0.0931263	0.09312409	10.4990136
22	0.000356176	10.4991853	0.59119281	0.0001726	0.00018663	1.8216E-06	0.00017078	0.00018358	0.00004	0	0	0	0.000	0.00018339	10.4990127	2.5119826	477.276693	39.7730578	0.0931263	0.09312411	10.4990149
23	0.000354168	10.4991857	0.5908285	0.00017168	0.00018563	1.8119E-06	0.00016987	0.00018249	0.00004	0	0	0	0.000	0.0001823	10.499014	2.5119829	477.276752	39.7730627	0.0931263	0.09312412	10.4990162
24	0.00035217	10.499186	0.59064432	0.00017077	0.00018465	1.8022E-06	0.00016896	0.0001814	0.00004	0	0	0	0.000	0.00018122	10.4990153	2.51198321	477.27681	39.7730675	0.0931263	0.09312413	10.4990174
25	0.000350183	10.4991864	0.59010027	0.00016986	0.00018366	1.7926E-06	0.00016806	0.00018033	0.00004	0	0	0	0.000	0.00018014	10.4990166	2.51198352	477.276869	39.7730724	0.0931263	0.09312414	10.4990187
26	0.000348207	10.4991868	0.58973634	0.00016895	0.00018268	1.7831E-06	0.00016717	0.00017926	0.00004	0	0	0	0.000	0.00017907	10.4990178	2.51198382	477.276926	39.7730772	0.0931263	0.09312415	10.49902
27	0.000346241	10.4991871	0.58937253	0.00016805	0.00018171	1.7736E-06	0.00016628	0.00017819	0.00004	0	0	0	0.000	0.00017801	10.4990184	2.51198413	477.276984	39.773082	0.0931263	0.09312416	10.4990212
28	0.000344286	10.4991875	0.58900889	0.00016716	0.00018074	1.7641E-06	0.00016539	0.00017713	0.00004	0	0	0	0.000	0.00017695	10.4990204	2.51198443	477.277041	39.7730868	0.0931263	0.09312417	10.4990225
29	0.000342341	10.4991879	0.58864535	0.00016626	0.00017978	1.7547E-06	0.00016451	0.00017608	0.00004	0	0	0	0.000	0.0001759	10.4990216	2.51198473	477.277098	39.7730915	0.0931263	0.09312418	10.4990237
30	0.000340407	10.4991882	0.58828195	0.00016538	0.00017882	1.7453E-06	0.00016363	0.00017503	0.00004	0	0	0	0.000	0.00017485	10.4990229	2.51198503	477.277155	39.7730963	0.0931263	0.0931242	10.499025
31	0.000338484	10.4991886	0.58791867	0.00016449	0.00017786	1.736E-06	0.00016276	0.00017399	0.00004	0	0	0	0.000	0.00017381	10.4990241	2.51198532	477.277212	39.773101	0.0931263	0.09312421	10.4990262
32	0.00033657	10.499189	0.58755552	0.00016362	0.00017692	1.7268E-06	0.00016189	0.00017295	0.00004	0	0	0	0.000	0.00017278	10.4990253	2.51198563	477.277268	39.7731057	0.0931263	0.09312422	10.4990274
33	0.000334667	10.4991893	0.58719251	0.00016274	0.00017597	1.7175E-06	0.00016103	0.00017192	0.00004	0	0	0	0.000	0.00017175	10.4990265	2.51198592	477.277324	39.7731103	0.0931263	0.09312423	10.4990286
34	0.000332775	10.4991897	0.58682962	0.00016187	0.00017503	1.7084E-06	0.00016017	0.00017009	0.00004	0	0	0	0.000	0.00017073	10.4990278	2.51198621	477.277378	39.773115	0.0931263	0.09312424	10.4990299
35	0.000330892	10.49919	0.58646686	0.00016101	0.0001741	1.6992E-06	0.00015931	0.00016988	0.00004	0	0	0	0.000	0.00016971	10.499029	2.5119865	477.277435	39.7731196	0.0931263	0.09312425	10.4990311
36	0.00032902	10.4991904	0.58610424	0.00016015	0.00017317	1.6900E-06	0.00015846	0.00016887	0.00004	0	0	0	0.000	0.0001687	10.4990302	2.51198679	477.27749	39.7731242	0.0931263	0.09312426	10.4990323
37	0.000327158	10.4991907	0.58574174	0.00015929	0.00017224	1.6811E-06	0.00015761	0.00016786	0.00004	0	0	0	0.000	0.00016769	10.4990314	2.51198708	477.277545	39.7731287	0.0931263	0.09312427	10.4990335
38	0.000325305	10.4991911	0.58537937	0.00015844	0.00017132	1.6722E-06	0.00015677	0.00016686	0.00004	0	0	0	0.000	0.00016669	10.4990326	2.51198737	477.277599	39.7731333	0.0931263	0.09312428	10.4990347
39	0.000323463	10.4991914	0.58501713	0.00015757	0.0001704	1.6632E-06	0.00015593	0.00016587	0.00004	0	0	0	0.000	0.0001657	10.4990338	2.51198765	477.277654	39.7731378	0.0931263	0.09312429	10.4990358
40	0.000321631	10.4991918	0.58465502	0.00015675	0.00016949	1.6543E-06	0.0001551	0.00016488	0.00004	0	0	0	0.000	0.00016471	10.499035	2.51198794	477.277708	39.7731423	0.0931263	0.0931243	10.499037
41	0.000319809	10.4991921	0.58429304	0.00015591	0.00016859	1.6455E-06	0.00015427	0.0001639	0.00004	0	0	0	0.000	0.00016373	10.4990362	2.51198822	477.277761	39.7731468	0.0931263	0.09312431	10.4990382
42	0.000317996	10.4991925	0.58393119	0.00015508	0.00016768	1.6367E-06	0.00015344	0.00016292	0.00004	0	0	0	0.000	0.00016275	10.4990374	2.5119885	477.277815	39.7731512	0.0931263	0.09312432	10.4990393
43	0.000316194	10.4991928	0.58356947	0.00015425	0.00016679	1.6279E-06	0.00015262	0.00016194	0.00004	0	0	0	0.000	0.00016178	10.4990385	2.51198878	477.277868	39.7731557	0.0931263	0.09312433	10.4990405
44	0.000314401	10.4991931	0.58320788	0.00015342	0.00016589	1.6192E-06	0.00015181	0.00016098	0.00004	0	0	0	0.000	0.00016101	10.4990398	2.51198906	477.277921	39.7731601	0.0931263	0.09312434	10.4990417
45	0.000312618	10.4991935	0.58284642	0.00015262	0.00016505	1.6105E-06	0.00015099	0.00016002	0.00004	0	0	0	0.000	0.00015985	10.4990409	2.51198934	477.277974	39.7731645	0.0931263	0.09312435	10.4990428
46	0.000310844	10.4991938	0.58248509	0.00015178	0.00016412	1.6019E-06	0.00015018	0.00015906	0.00004	0	0	0	0.000	0.0001589	10.499042	2.51198961	477.278026	39.7731688	0.0931263	0.09312437	10.499044
47	0.00030908	10.4991941	0.58212389	0.00015097	0.00016324	1.5933E-06	0.00014938	0.00015811	0.00004	0	0	0	0.000	0.00015795	10.4990432	2.51198989	477.278078	39.7731732	0.0931263	0.09312438	10.4990451
48	0.000307326	10.4991945	0.58176282	0.00015016	0.00016237	1.5848E-06	0.00014858	0.00015716	0.00004	0	0	0	0.000	0.000157	10.4990445	2.51199016	477.27813	39.7731775	0.0931263	0.09312439	10.4990462
49	0.000305581	10.4991948	0.58140187	0.00014936	0.0001615	1.5763E-06	0.00014778	0.00015622	0.00004	0	0	0	0.000	0.00015607	10.4990454	2.51199043	477.278182	39.7731818	0.0931263	0.0931244	10.4990473
50	0.000303846	10.4991951	0.58104576	0.00014855	0.00016063	1.5678E-06	0.00014693	0.00015529	0.00004	0	0	0	0.000	0.00015529	10.4990466	2.51199069	477.278233	39.7731863	0.0931263	0.09312441	10.4990484
51	0.00030212	10.4991955	0.58068038	0.00014776	0.00015977	1.5594E-06	0.0001462	0.00015436	0.00004	0	0	0	0.000	0.0001542	10.4990477	2.51199097	477.278284	39.7731904	0.0931263	0.09312442	10.4990496
52	0.000300403	10.4991958	0.58031983	0.00014697	0.00015891	1.551E-06	0.00014541	0.00015344	0.00004	0	0	0	0.000	0.00015328	10.4990488	2.51199124	477.278335	39.7731946	0.0931263	0.09312443	10.4990507
53	0.000298696	10.4991961	0.5799594	0.00014618	0.00015806	1.5427E-06	0.00014463	0.00015252	0.00004	0	0	0	0.000	0.00015236	10.4990499	2.5119915	477.278386	39.7731988	0.0931263	0.09312444	10.4990518
54	0.000296998	10.4991964	0.57959911	0.00014539	0.00015721	1.5344E-06	0.00014386	0.00015161	0.00004	0	0	0	0.000	0.00015145	10.499051	2.51199177	477.278436	39.773203	0.0931263	0.09312445	10.4990529
55	0.000295309	10.4991967	0.57924395	0.00014461	0.00015636	1.5262E-06	0.00014305	0.00015077	0.00004	0	0	0	0.000	0.00015054	10.4990523	2.51199203	477.278486	39.7732072	0.0931263	0.09312446	10.499054
56	0.000293629	10.4991971	0.57887892	0.00014383	0.00015552	1.518E-06	0.00014232	0.0001498	0.00004	0	0	0	0.000	0.00014964	10.4990532	2.5119923	477.278536	39.7732113	0.0931263	0.09312447	10.4990551
57	0.000291959	10.4991974	0.57851901	0.00014306	0.00015469	1.5098E-06	0.00014155	0.0001489	0.00004	0	0	0	0.000	0.00014875	10.4990543	2.51199256	477.278586	39.7732155	0.0931263	0.09312447	10.4990562
58	0.000290297	10.4991977	0.57815924	0.00014229	0.00015386	1.5017E-06	0.00014079	0.00014801	0.00004	0	0	0	0.000	0.00014785	10.4990554	2.51199282	477.278635	39.7732196	0.0931263	0.09312448	10.4990572
59	0.000288645	10.499198	0.57779959	0.00014153	0.00015303	1.4936E-06	0.00014003	0.00014712	0.00004	0	0	0	0.000	0.00014697	10.4990565	2.51199307	477.278684	39.7732237	0.0931263	0.09312449	10.4990583
60	0.000287001	10.4991983	0.57744008	0.00014077	0.00015221	1.4856E-06	0.00013928	0.000													

20	0.000207956	10.4992137	0.55751485	0.00010382	0.00011226	1.09576-06	0.00010273	0.00010413	0.00002	0	0	0	0.0000	0.00010403	10.4991099	2.51200585	477.281111	39.7734259	0.0931263	0.09312497	10.4991112
21	0.000206754	10.4992139	0.55716275	0.00010325	0.00011165	1.08976-06	0.00010216	0.0001035	0.00002	0	0	0	0.0000	0.00010339	10.4991107	2.51200604	477.281147	39.773429	0.0931263	0.09312497	10.4991112
22	0.000205559	10.4992142	0.55681079	0.00010269	0.00011104	1.08386-06	0.00010161	0.00010287	0.00002	0	0	0	0.0000	0.00010276	10.4991115	2.51200623	477.281184	39.773432	0.0931263	0.09312498	10.4991128
23	0.000204371	10.4992144	0.55645495	0.00010213	0.00011043	1.07786-06	0.00010105	0.00010224	0.00002	0	0	0	0.0000	0.00010214	10.4991117	2.51200642	477.28122	39.773435	0.0931263	0.09312499	10.4991136
24	0.000203189	10.4992146	0.55610725	0.00010157	0.00010983	1.07196-06	0.00010055	0.00010162	0.00002	0	0	0	0.0000	0.00010151	10.4991131	2.51200661	477.281256	39.773438	0.0931263	0.093125	10.4991144
1	0.000202013	10.4992149	0.55575567	0.00010101	0.00010922	1.06616-06	0.00010011	0.000101	0.00002	0	0	0	0.0000	0.0001009	10.4991139	2.5120068	477.281292	39.773441	0.0931263	0.093125	10.4991152
2	0.000200844	10.4992151	0.55540423	0.00010046	0.00010863	1.06026-06	0.00010002	0.00010038	0.00002	0	0	0	0.0000	0.00010028	10.4991146	2.51200699	477.281328	39.773444	0.0931263	0.09312501	10.4991159
3	0.000199682	10.4992153	0.55505292	0.00010015	0.00010803	1.05446-06	0.00010001	0.00010015	0.00002	0	0	0	0.0000	0.00010001	10.4991154	2.51200718	477.281363	39.773449	0.0931263	0.09312502	10.4991167
4	0.000198526	10.4992156	0.55470173	0.00010005	0.00010744	1.04876-06	0.00010001	0.00010005	0.00002	0	0	0	0.0000	0.00010001	10.4991162	2.51200736	477.281399	39.773449	0.0931263	0.09312502	10.4991175
5	0.000197376	10.4992158	0.55435068	0.00010001	0.00010685	1.04296-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.499117	2.51200755	477.281434	39.773453	0.0931263	0.09312501	10.4991183
6	0.000196233	10.499216	0.55399976	0.00010001	0.00010627	1.03726-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991177	2.51200773	477.281469	39.773457	0.0931263	0.09312504	10.499119
7	0.000195096	10.4992163	0.55364897	0.00010001	0.00010568	1.03156-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991185	2.51200791	477.281504	39.773458	0.0931263	0.09312504	10.4991198
8	0.000193965	10.4992165	0.55329831	0.00010001	0.00010511	1.02596-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991193	2.5120081	477.281538	39.7734615	0.0931263	0.09312505	10.4991205
9	0.000192884	10.4992167	0.55294778	0.00010001	0.00010453	1.02026-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.49912	2.51200828	477.281573	39.773464	0.0931263	0.09312506	10.4991213
10	0.000191722	10.4992169	0.55259738	0.00010001	0.00010396	1.01476-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991208	2.51200846	477.281607	39.7734672	0.0931263	0.09312506	10.499122
11	0.000190561	10.4992172	0.55224711	0.00010001	0.00010339	1.00916-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991215	2.51200865	477.281641	39.7734701	0.0931263	0.09312507	10.4991228
12	0.000189504	10.4992174	0.55189697	0.00010001	0.00010282	1.00356-06	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991223	2.51200881	477.281675	39.7734729	0.0931263	0.09312508	10.4991235
13	0.000188405	10.4992176	0.55154696	0.00010001	0.00010225	9.98046-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.499123	2.51200899	477.281709	39.7734757	0.0931263	0.09312508	10.4991242
14	0.000187311	10.4992178	0.55119709	0.00010001	0.00010169	9.92566-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991238	2.51200917	477.281742	39.7734785	0.0931263	0.09312509	10.499125
15	0.000186223	10.499218	0.55084734	0.00010001	0.00010113	9.87116-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991245	2.51200935	477.281776	39.7734813	0.0931263	0.0931251	10.4991257
16	0.000185142	10.4992182	0.55049773	0.00010001	0.00010058	9.81696-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991252	2.51200952	477.281809	39.7734841	0.0931263	0.0931251	10.4991264
17	0.000184066	10.4992185	0.55014824	0.00010001	0.00010003	9.76236-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.499126	2.51200969	477.281842	39.7734868	0.0931263	0.09312511	10.4991271
18	0.000182997	10.4992187	0.54979888	0.00010001	0.00010001	9.70976-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991267	2.51200987	477.281875	39.7734896	0.0931263	0.09312512	10.4991279
19	0.000181933	10.4992189	0.54944966	0.00010001	0.00010001	9.65596-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991274	2.51201004	477.281907	39.7734923	0.0931263	0.09312512	10.4991286
20	0.000180875	10.4992191	0.54910507	0.00010001	0.00010001	9.60286-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991281	2.51201021	477.28194	39.773495	0.0931263	0.09312513	10.4991293
21	0.000179824	10.4992193	0.54875156	0.00010001	0.00010001	9.54996-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991288	2.51201038	477.281972	39.7734977	0.0931263	0.09312514	10.49913
22	0.000178778	10.4992195	0.54840277	0.00010001	0.00010001	9.49745-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991295	2.51201055	477.282005	39.7735004	0.0931263	0.09312515	10.4991307
23	0.000177737	10.4992197	0.54805407	0.00010001	0.00010001	9.44516-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991302	2.51201072	477.282037	39.7735031	0.0931263	0.09312515	10.4991314
24	0.000176703	10.4992199	0.5477055	0.00010001	0.00010001	9.39316-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991309	2.51201089	477.282069	39.7735057	0.0931263	0.09312515	10.4991321
1	0.000175674	10.4992202	0.54735706	0.00010001	0.00010001	9.34146-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991316	2.51201105	477.2821	39.7735084	0.0931263	0.09312516	10.4991328
2	0.000174651	10.4992204	0.54700875	0.00010001	0.00010001	9.28996-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991323	2.51201122	477.282132	39.773511	0.0931263	0.09312517	10.4991335
3	0.000173634	10.4992206	0.54666057	0.00010001	0.00010001	9.23876-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.499133	2.51201139	477.282163	39.7735136	0.0931263	0.09312517	10.4991342
4	0.000172623	10.499221	0.54631252	0.00010001	0.00010001	9.18786-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991337	2.51201156	477.282194	39.7735162	0.0931263	0.09312518	10.4991348
5	0.000171617	10.499221	0.54596461	0.00010001	0.00010001	9.13614-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991344	2.51201171	477.282226	39.7735188	0.0931263	0.09312519	10.4991355
6	0.000170616	10.4992212	0.54561682	0.00010001	0.00010001	9.08461-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991351	2.51201188	477.282256	39.7735214	0.0931263	0.09312519	10.4991362
7	0.000169622	10.4992214	0.54526916	0.00010001	0.00010001	9.03266-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991358	2.51201204	477.282287	39.7735239	0.0931263	0.0931252	10.4991369
8	0.000168632	10.4992216	0.54492164	0.00010001	0.00010001	8.98076-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991364	2.51201222	477.282318	39.7735265	0.0931263	0.0931252	10.4991375
9	0.000167649	10.4992218	0.54457393	0.00010001	0.00010001	8.92896-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991371	2.51201239	477.282349	39.7735291	0.0931263	0.09312521	10.4991382
10	0.00016667	10.499222	0.54422468	0.00010001	0.00010001	8.87678-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991378	2.51201252	477.282379	39.7735315	0.0931263	0.09312521	10.4991388
11	0.000165698	10.4992222	0.54387985	0.00010001	0.00010001	8.82507-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991384	2.51201268	477.282409	39.7735341	0.0931263	0.09312522	10.4991395
12	0.00016473	10.4992224	0.54353285	0.00010001	0.00010001	8.77326-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991391	2.51201284	477.282439	39.7735366	0.0931263	0.09312523	10.4991402
13	0.000163768	10.4992226	0.54318597	0.00010001	0.00010001	8.72156-07	0.00010001	0.00010001	0.00002	0	0	0	0.0000	0.00010001	10.4991397	2.51201299	477.282469	39.773539	0.0931263	0.09312523	10.4991408
14	0.000162812	10.4992228	0.54283932	0.00010001	0.00010001																

22	0.000116089	10.4992323	0.52363081	6.024E-05	6.5136E-05	6.3575E-07	5.9604E-05	5.6749E-05	0.00001	0	0	0	0.000	5.6691E-05	10.4991772	2.51202072	477.283936	39.7736614	0.0931263	0.09312552	10.4991728
23	0.000116249	10.4992324	0.52329154	5.9902E-05	6.477E-05	6.3218E-07	5.927E-05	5.6393E-05	0.00001	0	0	0	0.000	5.6336E-05	10.4991725	2.51202083	477.283958	39.7736632	0.0931263	0.09312552	10.4991733
24	0.000115806	10.4992326	0.52292524	5.9565E-05	6.4068E-05	6.2863E-07	5.8937E-05	5.6045E-05	0.00001	0	0	0	0.000	5.5983E-05	10.4991773	2.51202095	477.283998	39.773665	0.0931263	0.09312553	10.4991738
1	0.00011492	10.4992327	0.52361339	5.9211E-05	6.4043E-05	6.251E-07	5.8606E-05	5.5698E-05	0.00001	0	0	0	0.000	5.5532E-05	10.4991725	2.51202106	477.284002	39.7736658	0.0931263	0.09312553	10.4991742
2	0.000114238	10.4992329	0.52227452	5.8898E-05	6.3685E-05	6.2159E-07	5.8276E-05	5.534E-05	0.00001	0	0	0	0.000	5.5284E-05	10.4991774	2.51202118	477.284024	39.7736687	0.0931263	0.09312554	10.4991747
3	0.00011356	10.499233	0.52193577	5.8567E-05	6.3327E-05	6.1809E-07	5.7948E-05	5.4994E-05	0.00001	0	0	0	0.000	5.4938E-05	10.4991744	2.51202129	477.284045	39.7736705	0.0931263	0.09312554	10.4991752
4	0.000112886	10.4992331	0.52159716	5.8237E-05	6.297E-05	6.1462E-07	5.7623E-05	5.4649E-05	0.00001	0	0	0	0.000	5.4593E-05	10.4991749	2.5120214	477.284067	39.7736722	0.0931263	0.09312554	10.4991757
5	0.000112216	10.4992333	0.52125868	5.791E-05	6.2616E-05	6.1116E-07	5.7298E-05	5.4306E-05	0.00001	0	0	0	0.000	5.4251E-05	10.4991754	2.51202152	477.284088	39.773674	0.0931263	0.09312555	10.4991761
6	0.000111549	10.4992334	0.52092031	5.7584E-05	6.2264E-05	6.0772E-07	5.6976E-05	5.3965E-05	0.00001	0	0	0	0.000	5.391E-05	10.4991758	2.51202163	477.28411	39.7736758	0.0931263	0.09312555	10.4991766
7	0.000110887	10.4992337	0.52058211	5.726E-05	6.1911E-05	6.043E-07	5.6655E-05	5.3627E-05	0.00001	0	0	0	0.000	5.372E-05	10.4991769	2.51202174	477.284133	39.773677	0.0931263	0.09312556	10.4991771
8	0.000110228	10.4992338	0.52024042	5.6937E-05	6.1565E-05	6.009E-07	5.6336E-05	5.329E-05	0.00001	0	0	0	0.000	5.3236E-05	10.4991768	2.51202185	477.284152	39.7736793	0.0931263	0.09312556	10.4991775
9	0.000109572	10.4992338	0.51990606	5.6617E-05	6.1218E-05	5.9751E-07	5.6019E-05	5.2956E-05	0.00001	0	0	0	0.000	5.2902E-05	10.4991772	2.51202196	477.284173	39.7736811	0.0931263	0.09312556	10.499178
10	0.000108921	10.499234	0.51956824	5.6298E-05	6.0873E-05	5.9415E-07	5.5704E-05	5.2623E-05	0.00001	0	0	0	0.000	5.257E-05	10.4991777	2.51202207	477.284194	39.7736828	0.0931263	0.09312557	10.4991784
11	0.000108273	10.4992341	0.51923054	5.598E-05	6.053E-05	5.908E-07	5.539E-05	5.2293E-05	0.00001	0	0	0	0.000	5.2239E-05	10.4991781	2.51202218	477.284214	39.7736845	0.0931263	0.09312557	10.4991789
12	0.000107629	10.4992343	0.51889298	5.5665E-05	6.0189E-05	5.8747E-07	5.5077E-05	5.1964E-05	0.00001	0	0	0	0.000	5.1911E-05	10.4991786	2.51202229	477.284235	39.7736862	0.0931263	0.09312558	10.4991793
13	0.000106989	10.4992344	0.51855555	5.5351E-05	5.985E-05	5.8416E-07	5.4767E-05	5.1638E-05	0.00001	0	0	0	0.000	5.1585E-05	10.4991779	2.51202234	477.284255	39.7736879	0.0931263	0.09312558	10.4991798
14	0.000106352	10.4992345	0.51821825	5.5039E-05	5.9512E-05	5.8086E-07	5.4458E-05	5.1313E-05	0.00001	0	0	0	0.000	5.1261E-05	10.4991795	2.5120225	477.284276	39.7736896	0.0931263	0.09312559	10.4991802
15	0.000105719	10.4992347	0.51788108	5.4728E-05	5.9177E-05	5.7759E-07	5.4151E-05	5.099E-05	0.00001	0	0	0	0.000	5.0938E-05	10.4991799	2.51202261	477.284296	39.7736913	0.0931263	0.09312559	10.4991807
16	0.000105089	10.4992348	0.51754405	5.442E-05	5.8843E-05	5.7433E-07	5.3845E-05	5.067E-05	0.00001	0	0	0	0.000	5.0618E-05	10.4991804	2.51202272	477.284316	39.773693	0.0931263	0.09312559	10.4991811
17	0.000104463	10.4992349	0.51720714	5.4112E-05	5.8511E-05	5.7109E-07	5.3541E-05	5.0351E-05	0.00001	0	0	0	0.000	5.03E-05	10.4991808	2.51202282	477.284336	39.7736947	0.0931263	0.0931256	10.4991815
18	0.000103841	10.4992351	0.51687037	5.3807E-05	5.818E-05	5.6786E-07	5.3239E-05	5.0034E-05	0.00001	0	0	0	0.000	4.9983E-05	10.4991813	2.51202293	477.284356	39.7736963	0.0931263	0.0931256	10.499182
19	0.000103222	10.4992352	0.51653372	5.3503E-05	5.7852E-05	5.6465E-07	5.2938E-05	4.9719E-05	0.00001	0	0	0	0.000	4.9668E-05	10.4991817	2.51202303	477.284376	39.773698	0.0931263	0.0931256	10.4991824
20	0.000102607	10.4992353	0.51619721	5.3201E-05	5.7525E-05	5.6147E-07	5.2639E-05	4.9406E-05	0.00001	0	0	0	0.000	4.9356E-05	10.4991821	2.51202314	477.284396	39.7736996	0.0931263	0.09312561	10.4991828
21	0.000101995	10.4992355	0.51586083	5.29E-05	5.72E-05	5.5829E-07	5.2342E-05	4.9095E-05	0.00001	0	0	0	0.000	4.9045E-05	10.4991826	2.51202324	477.284415	39.7737013	0.0931263	0.09312561	10.4991833
22	0.000101387	10.4992356	0.51552459	5.2601E-05	5.6876E-05	5.5514E-07	5.2046E-05	4.8785E-05	0.00001	0	0	0	0.000	4.8736E-05	10.499183	2.51202334	477.284435	39.7737029	0.0931263	0.09312562	10.4991837
23	0.000100782	10.4992357	0.51518847	5.2304E-05	5.6555E-05	5.52E-07	5.1752E-05	4.8478E-05	0.00001	0	0	0	0.000	4.8482E-05	10.4991834	2.51202344	477.284454	39.7737045	0.0931263	0.09312562	10.4991841
24	0.00010018	10.4992358	0.51485248	5.2008E-05	5.623E-05	5.4888E-07	5.1450E-05	4.817E-05	0.00001	0	0	0	0.000	4.819E-05	10.4991837	2.51202354	477.284473	39.7737061	0.0931263	0.09312562	10.4991845
1	9.95825E-05	10.499236	0.51455163	5.1714E-05	5.5917E-05	5.4577E-07	5.1168E-05	4.7869E-05	0.00001	0	0	0	0.000	4.782E-05	10.4991843	2.51202365	477.284493	39.7737077	0.0931263	0.09312563	10.4991849
2	9.8988E-05	10.4992361	0.51418091	5.1421E-05	5.5601E-05	5.4268E-07	5.0879E-05	4.7567E-05	0.00001	0	0	0	0.000	4.7518E-05	10.4991847	2.51202375	477.284512	39.7737093	0.0931263	0.09312563	10.4991854
3	9.83969E-05	10.4992362	0.51384532	5.1133E-05	5.5286E-05	5.3961E-07	5.0591E-05	4.7267E-05	0.00001	0	0	0	0.000	4.7218E-05	10.4991851	2.51202385	477.284531	39.7737109	0.0931263	0.09312563	10.4991858
4	9.78091E-05	10.4992364	0.51350986	5.0841E-05	5.4973E-05	5.3665E-07	5.0304E-05	4.6968E-05	0.00001	0	0	0	0.000	4.692E-05	10.4991855	2.51202395	477.28455	39.7737125	0.0931263	0.09312564	10.4991862
5	9.72247E-05	10.4992365	0.51317453	5.0533E-05	5.4662E-05	5.3352E-07	5.0019E-05	4.6672E-05	0.00001	0	0	0	0.000	4.6624E-05	10.4991859	2.51202405	477.284569	39.7737141	0.0931263	0.09312564	10.4991866
6	9.66436E-05	10.4992366	0.51283934	5.022E-05	5.4352E-05	5.305E-07	4.9736E-05	4.6377E-05	0.00001	0	0	0	0.000	4.633E-05	10.4991862	2.51202417	477.284589	39.7737156	0.0931263	0.09312564	10.499187
7	9.60659E-05	10.4992367	0.51250427	4.9928E-05	5.4044E-05	5.2749E-07	4.9454E-05	4.6084E-05	0.00001	0	0	0	0.000	4.6037E-05	10.4991868	2.51202424	477.284606	39.7737172	0.0931263	0.09312565	10.4991874
8	9.54915E-05	10.4992369	0.51216934	4.9698E-05	5.3738E-05	5.245E-07	4.9174E-05	4.5793E-05	0.00001	0	0	0	0.000	4.5746E-05	10.4991872	2.51202434	477.284625	39.7737187	0.0931263	0.09312565	10.4991878
9	9.49203E-05	10.499237	0.51183454	4.9417E-05	5.3433E-05	5.2153E-07	4.8895E-05	4.5504E-05	0.00001	0	0	0	0.000	4.5457E-05	10.4991876	2.51202444	477.284643	39.7737203	0.0931263	0.09312566	10.4991882
10	9.43324E-05	10.4992371	0.51149987	4.9136E-05	5.313E-05	5.1857E-07	4.8618E-05	4.5216E-05	0.00001	0	0	0	0.000	4.517E-05	10.499188	2.51202453	477.284662	39.7737218	0.0931263	0.09312566	10.4991886
11	9.37879E-05	10.4992372	0.51116537	4.8859E-05	5.2839E-05	5.1563E-07	4.8342E-05	4.493E-05	0.00001	0	0	0	0.000	4.4884E-05	10.4991883	2.51202462	477.28468	39.			

393	24	6.48399E-05	10.4992437	0.49100762	3.4428E-05	3.7226E-05	3.6334E-07	3.4065E-5	3.0412E-05	0.00001	0	0	0	0.0000	3.0381E-05	10.4992092	2.51202962	477.285627	39.7738023	0.0931263	0.09312585	10.4992097
	1	6.44456E-05	10.4992437	0.49068126	3.4229E-05	3.7011E-05	3.6125E-07	3.3688E-05	3.0216E-05	0.00001	0	0	0	0.0000	3.0185E-05	10.4992095	2.51202969	477.28564	39.7738034	0.0931263	0.09312585	10.49921
	2	6.40536E-05	10.4992438	0.49035502	3.4032E-05	3.6798E-05	3.5916E-07	3.3673E-05	3.0022E-05	0.00001	0	0	0	0.0000	2.9991E-05	10.4992098	2.51203016	477.285653	39.7738044	0.0931263	0.09312585	10.4992102
	3	6.36638E-05	10.4992439	0.49002892	3.3835E-05	3.6586E-05	3.5709E-07	3.3478E-05	2.9629E-05	0.00001	0	0	0	0.0000	2.9798E-05	10.4992101	2.51202982	477.285666	39.7738055	0.0931263	0.09312586	10.4992105
	4	6.32763E-05	10.499244	0.48970295	3.3646E-05	3.6374E-05	3.5502E-07	3.3285E-05	2.9637E-05	0.00001	0	0	0	0.0000	2.9606E-05	10.4992104	2.51202989	477.285679	39.7738066	0.0931263	0.09312586	10.4992108
	5	6.28911E-05	10.4992441	0.48937712	3.3445E-05	3.6164E-05	3.5297E-07	3.3092E-05	2.9446E-05	0.00001	0	0	0	0.0000	2.9416E-05	10.4992107	2.51202996	477.285692	39.7738077	0.0931263	0.09312586	10.4992111
	6	6.25082E-05	10.4992442	0.48905141	3.3252E-05	3.5955E-05	3.5093E-07	3.2901E-05	2.9256E-05	0.00001	0	0	0	0.0000	2.9226E-05	10.4992109	2.51203002	477.285705	39.7738087	0.0931263	0.09312586	10.4992114
	7	6.21274E-05	10.4992443	0.48872584	3.306E-05	3.5747E-05	3.489E-07	3.2711E-05	2.9068E-05	0.00001	0	0	0	0.0000	2.9038E-05	10.4992112	2.51203009	477.285717	39.7738098	0.0931263	0.09312587	10.4992116
	8	6.17489E-05	10.4992444	0.4884004	3.2869E-05	3.554E-05	3.4689E-07	3.2522E-05	2.888E-05	0.00001	0	0	0	0.0000	2.8852E-05	10.4992115	2.51203016	477.28573	39.7738108	0.0931263	0.09312587	10.4992119
	9	6.13724E-05	10.4992445	0.48807508	3.2679E-05	3.5334E-05	3.4488E-07	3.2334E-05	2.8694E-05	0.00001	0	0	0	0.0000	2.8665E-05	10.4992118	2.51203022	477.285745	39.7738119	0.0931263	0.09312587	10.4992122
	10	6.09985E-05	10.4992445	0.48774991	3.2489E-05	3.513E-05	3.4288E-07	3.2147E-05	2.8509E-05	0.00001	0	0	0	0.0000	2.8448E-05	10.499212	2.51203029	477.285755	39.7738129	0.0931263	0.09312587	10.4992125
	11	6.06266E-05	10.4992446	0.48742486	3.2301E-05	3.4927E-05	3.409E-07	3.1961E-05	2.8325E-05	0.00001	0	0	0	0.0000	2.8296E-05	10.4992123	2.51203035	477.285767	39.773814	0.0931263	0.09312588	10.4992127
	12	6.02568E-05	10.4992447	0.48709995	3.2114E-05	3.4725E-05	3.3893E-07	3.1775E-05	2.8142E-05	0.00001	0	0	0	0.0000	2.8114E-05	10.4992126	2.51203042	477.28578	39.773815	0.0931263	0.09312588	10.499213
	13	5.98892E-05	10.4992448	0.48675717	3.1928E-05	3.4523E-05	3.3696E-07	3.1591E-05	2.7961E-05	0.00001	0	0	0	0.0000	2.7932E-05	10.4992129	2.51203048	477.285792	39.773816	0.0931263	0.09312588	10.4992133
	14	5.95238E-05	10.4992449	0.48643052	3.1743E-05	3.4322E-05	3.3501E-07	3.1408E-05	2.778E-05	0.00001	0	0	0	0.0000	2.7752E-05	10.4992131	2.51203055	477.285804	39.773817	0.0931263	0.09312588	10.4992135
	15	5.91605E-05	10.4992449	0.486126	3.1556E-05	3.4125E-05	3.3307E-07	3.1227E-05	2.7601E-05	0.00001	0	0	0	0.0000	2.7573E-05	10.4992134	2.51203061	477.285816	39.773818	0.0931263	0.09312589	10.4992138
	16	5.87993E-05	10.499245	0.48580162	3.1377E-05	3.3927E-05	3.3114E-07	3.1046E-05	2.7423E-05	0.00001	0	0	0	0.0000	2.7395E-05	10.4992137	2.51203068	477.285828	39.773819	0.0931263	0.09312589	10.4992141
	17	5.84402E-05	10.4992451	0.48547737	3.1195E-05	3.373E-05	3.2922E-07	3.0866E-05	2.7245E-05	0.00001	0	0	0	0.0000	2.7218E-05	10.4992139	2.51203074	477.28584	39.77382	0.0931263	0.09312589	10.4992143
	18	5.80832E-05	10.4992452	0.48515325	3.1014E-05	3.3535E-05	3.2731E-07	3.0687E-05	2.7069E-05	0.00001	0	0	0	0.0000	2.7042E-05	10.4992142	2.5120308	477.285852	39.773821	0.0931263	0.09312589	10.4992146
	19	5.77283E-05	10.4992453	0.48482926	3.0834E-05	3.334E-05	3.2541E-07	3.0509E-05	2.6894E-05	0.00001	0	0	0	0.0000	2.6867E-05	10.4992144	2.51203086	477.285864	39.773822	0.0931263	0.09312589	10.4992148
	20	5.73755E-05	10.4992454	0.48450454	3.0655E-05	3.3147E-05	3.2352E-07	3.0332E-05	2.672E-05	0.00001	0	0	0	0.0000	2.6693E-05	10.4992147	2.51203093	477.285876	39.773823	0.0931263	0.0931259	10.4992151
	21	5.70248E-05	10.4992454	0.48418168	3.0477E-05	3.2954E-05	3.2165E-07	3.0156E-05	2.6548E-05	0.00001	0	0	0	0.0000	2.6521E-05	10.499215	2.51203099	477.285888	39.773824	0.0931263	0.0931259	10.4992154
	22	5.66761E-05	10.4992455	0.48385808	3.03E-05	3.2763E-05	3.1978E-07	2.998E-05	2.6376E-05	0.00001	0	0	0	0.0000	2.6349E-05	10.4992152	2.51203105	477.2859	39.773825	0.0931263	0.0931259	10.4992156
	23	5.63295E-05	10.4992456	0.48353462	3.0124E-05	3.2573E-05	3.1792E-07	2.9806E-05	2.6205E-05	0.00001	0	0	0	0.0000	2.6178E-05	10.4992155	2.51203111	477.285911	39.7738259	0.0931263	0.0931259	10.4992159
	24	5.59848E-05	10.4992457	0.4832113	2.9949E-05	3.2383E-05	3.1608E-07	2.9633E-05	2.6036E-05	0.00001	0	0	0	0.0000	2.6009E-05	10.4992157	2.51203117	477.285923	39.7738269	0.0931263	0.09312591	10.4992161
	1	5.56422E-05	10.4992458	0.4828881	2.9775E-05	3.2195E-05	3.1424E-07	2.9461E-05	2.5867E-05	0.00001	0	0	0	0.0000	2.5841E-05	10.499216	2.51203123	477.285934	39.7738279	0.0931263	0.09312591	10.4992164
	2	5.53061E-05	10.4992459	0.48256504	2.9603E-05	3.2015E-05	3.1241E-07	2.9298E-05	2.5699E-05	0.00001	0	0	0	0.0000	2.5582E-05	10.4992161	2.51203129	477.285946	39.7738289	0.0931263	0.09312591	10.4992166
	3	5.49631E-05	10.4992459	0.48224211	2.9433E-05	3.1822E-05	3.106E-07	2.9122E-05	2.5533E-05	0.00001	0	0	0	0.0000	2.5507E-05	10.4992165	2.51203135	477.285957	39.7738298	0.0931263	0.09312591	10.4992169
	4	5.46264E-05	10.499246	0.48191931	2.9259E-05	3.1637E-05	3.0879E-07	2.8955E-05	2.5367E-05	0.00001	0	0	0	0.0000	2.5342E-05	10.4992167	2.51203141	477.285968	39.7738307	0.0931263	0.09312592	10.4992171
	5	5.42918E-05	10.4992461	0.48159664	2.9089E-05	3.1453E-05	3.0699E-07	2.8782E-05	2.5203E-05	0.00001	0	0	0	0.0000	2.5177E-05	10.499217	2.51203147	477.28598	39.7738316	0.0931263	0.09312592	10.4992174
	6	5.39591E-05	10.4992461	0.48127411	2.892E-05	3.127E-05	3.0521E-07	2.8614E-05	2.504E-05	0.00001	0	0	0	0.0000	2.5041E-05	10.4992172	2.51203153	477.285991	39.7738326	0.0931263	0.09312592	10.4992176
	7	5.36284E-05	10.4992462	0.4809517	2.8751E-05	3.1088E-05	3.0343E-07	2.8448E-05	2.4877E-05	0.00001	0	0	0	0.0000	2.4852E-05	10.4992175	2.51203159	477.286002	39.773833	0.0931263	0.09312592	10.4992178
	8	5.3297E-05	10.4992479	0.47925943	2.8581E-05	3.0904E-05	3.0164E-07	2.8261E-05	2.4709E-05	0.00001	0	0	0	0.0000	2.4691E-05	10.4992177	2.51203165	477.286017	39.7738344	0.0931263	0.09312593	10.4992181
	9	5.29728E-05	10.4992464	0.4803073	2.8417E-05	3.0727E-05	2.9991E-07	2.8118E-05	2.4555E-05	0.00001	0	0	0	0.0000	2.453E-05	10.499218	2.51203171	477.286024	39.7738353	0.0931263	0.09312593	10.4992183
	10	5.26479E-05	10.4992464	0.47998529	2.8252E-05	3.0548E-05	2.9816E-07	2.7954E-05	2.4396E-05	0.00001	0	0	0	0.0000	2.4371E-05	10.4992182	2.51203176	477.286035	39.7738362	0.0931263	0.09312593	10.4992186
	11	5.23249E-05	10.4992465	0.47966342	2.8087E-05	3.037E-05	2.9642E-07	2.7791E-05	2.4238E-05	0.00001	0	0	0	0.0000	2.4213E-05	10.4992184	2.51203182	477.286046	39.7738372	0.0931263	0.09312593	10.4992188
	12	5.20038E-05	10.4992466	0.47934168	2.7924E-05	3.0193E-05	2.947E-07	2.7629E-05	2.408E-05	0.00001	0	0	0	0.0000	2.4056E-05	10.4992187	2.51203188	477.286057	39.7738381	0.0931263	0.09312593	10.499219
	13	5.16845E-05	10.4992467	0.47902007	2.7757E-05	3.0007E-05	2.9298E-07	2.7468E-05	2.3929E-05	0.00001	0	0	0	0.0000	2.3909E-05	10.4992189	2.51203193	477.286069	39.7738391	0.0931263	0.09312593	10.4992193
	14	5.13672E-05	10.4992467	0.47869859	2.7599E-05	2.9842E-05	2.9127E-07	2.7308E-05	2.3768E-05	0.00001	0	0	0	0.0000	2.3744E-05	10.4992191	2.51203199	477.286078	39.7738398	0.0931263	0.09312594	10.4992195
	15	5.10517E-05	10.4992468	0.47837725	2.7438E-05	2.9668E-05	2.8957E-07	2.7148E-05	2.3614E-05	0.00001	0	0	0	0.0000	2.3598E-05	10.4992194	2.51203205	477.286089	39.7738407	0.0931263	0.09312594	10.4992197
	16	5.07381E-05	10.4992469	0.47805603	2.7278E-05	2.9495E-05	2.8788E-07	2.699E-05	2.346E-05	0.00001	0	0	0	0.0000	2.3436E-05	10.4992196	2.5120321	477.286099	39.7738416	0.0931263	0.09312594	10.49922
	17	5.04263E-05	10.499247	0.47773495	2.7119E-05	2.9323E-05	2.862E-07	2.6832E-05	2.3308E-05	0.00001	0	0	0	0.0000	2.3284E-05	10.4992198	2.51203216	477.28611				

3	3.5393E-05	10.4992505	0.4596522	1.9373E-05	2.0947E-05	2.0445E-07	1.9168E-05	1.602E-05	0.00000	0	0	0	0.000	1.6004E-05	10.4992312	2.51203487	477.286625	39.7738854	0.0931263	0.09312604	10.4992314
3	3.51722E-05	10.4992506	0.4593388	1.9258E-05	2.0823E-05	2.0324E-07	1.9055E-05	1.5914E-05	0.00000	0	0	0	0.000	1.5898E-05	10.4992313	2.51203491	477.286632	39.773886	0.0931263	0.09312604	10.4992316
4	3.49527E-05	10.4992506	0.45902554	1.9144E-05	2.07E-05	2.0204E-07	1.8942E-05	1.5809E-05	0.00000	0	0	0	0.000	1.5793E-05	10.4992315	2.51203495	477.28664	39.7738866	0.0931263	0.09312605	10.4992318
5	3.47346E-05	10.4992507	0.4587124	1.903E-05	2.0577E-05	2.0084E-07	1.8829E-05	1.5705E-05	0.00000	0	0	0	0.000	1.5689E-05	10.4992317	2.51203499	477.286647	39.7738873	0.0931263	0.09312605	10.4992319
6	3.45178E-05	10.4992508	0.4583994	1.8917E-05	2.0455E-05	1.9965E-07	1.8717E-05	1.5601E-05	0.00000	0	0	0	0.000	1.5585E-05	10.4992318	2.51203503	477.286655	39.7738879	0.0931263	0.09312605	10.4992321
7	3.43022E-05	10.4992508	0.45808653	1.8805E-05	2.0333E-05	1.9846E-07	1.8606E-05	1.5497E-05	0.00000	0	0	0	0.000	1.5482E-05	10.499232	2.51203507	477.286662	39.7738885	0.0931263	0.09312605	10.4992322
8	3.4088E-05	10.4992509	0.45777379	1.8693E-05	2.0212E-05	1.9728E-07	1.8496E-05	1.5395E-05	0.00000	0	0	0	0.000	1.5379E-05	10.4992322	2.5120351	477.28667	39.773889	0.0931263	0.09312605	10.4992324
9	3.3875E-05	10.4992509	0.45746119	1.8582E-05	2.0092E-05	1.9611E-07	1.8386E-05	1.5293E-05	0.00000	0	0	0	0.000	1.5277E-05	10.4992323	2.51203514	477.286677	39.7738898	0.0931263	0.09312605	10.4992326
10	3.36633E-05	10.499251	0.45714872	1.8472E-05	1.9973E-05	1.9484E-07	1.8277E-05	1.5192E-05	0.00000	0	0	0	0.000	1.5176E-05	10.4992325	2.51203518	477.286685	39.7738904	0.0931263	0.09312606	10.4992327
11	3.34529E-05	10.499251	0.45683638	1.8362E-05	1.9854E-05	1.9379E-07	1.8168E-05	1.5091E-05	0.00000	0	0	0	0.000	1.5160E-05	10.4992326	2.51203522	477.286693	39.773891	0.0931263	0.09312606	10.4992329
12	3.32438E-05	10.4992511	0.45652417	1.8253E-05	1.9736E-05	1.9263E-07	1.806E-05	1.4991E-05	0.00000	0	0	0	0.000	1.4976E-05	10.4992328	2.51203526	477.286699	39.7738916	0.0931263	0.09312606	10.4992331
13	3.30358E-05	10.4992511	0.4562121	1.8144E-05	1.9619E-05	1.9149E-07	1.7953E-05	1.4892E-05	0.00000	0	0	0	0.000	1.4877E-05	10.499233	2.5120353	477.286706	39.7738922	0.0931263	0.09312606	10.4992332
14	3.28292E-05	10.4992512	0.45590016	1.8036E-05	1.9502E-05	1.9035E-07	1.7846E-05	1.4793E-05	0.00000	0	0	0	0.000	1.4778E-05	10.4992331	2.51203534	477.286714	39.7738928	0.0931263	0.09312606	10.4992334
15	3.26238E-05	10.4992512	0.45558883	1.7929E-05	1.9386E-05	1.8922E-07	1.774E-05	1.4695E-05	0.00000	0	0	0	0.000	1.468E-05	10.4992333	2.51203537	477.286721	39.7738934	0.0931263	0.09312606	10.4992335
16	3.24196E-05	10.4992513	0.45527667	1.7822E-05	1.9271E-05	1.8806E-07	1.7634E-05	1.4597E-05	0.00000	0	0	0	0.000	1.4583E-05	10.4992334	2.51203541	477.286728	39.773894	0.0931263	0.09312606	10.4992337
17	3.22166E-05	10.4992513	0.45496513	1.7716E-05	1.9156E-05	1.8697E-07	1.7529E-05	1.4501E-05	0.00000	0	0	0	0.000	1.4485E-05	10.4992336	2.51203545	477.286735	39.7738945	0.0931263	0.09312606	10.4992338
18	3.20149E-05	10.4992514	0.45465372	1.7611E-05	1.9042E-05	1.8586E-07	1.7425E-05	1.4404E-05	0.00000	0	0	0	0.000	1.439E-05	10.4992338	2.51203548	477.286742	39.7738952	0.0931263	0.09312607	10.499234
19	3.18144E-05	10.4992514	0.45434244	1.7506E-05	1.8928E-05	1.8475E-07	1.7321E-05	1.4309E-05	0.00000	0	0	0	0.000	1.4294E-05	10.4992339	2.51203552	477.286749	39.7738958	0.0931263	0.09312607	10.4992341
20	3.1615E-05	10.4992515	0.45403129	1.7401E-05	1.8816E-05	1.8365E-07	1.7218E-05	1.4214E-05	0.00000	0	0	0	0.000	1.4199E-05	10.4992341	2.51203556	477.286756	39.7738963	0.0931263	0.09312607	10.4992343
21	3.14169E-05	10.4992515	0.45372028	1.7298E-05	1.8703E-05	1.8255E-07	1.7115E-05	1.4119E-05	0.00000	0	0	0	0.000	1.4105E-05	10.4992342	2.5120356	477.286763	39.7738969	0.0931263	0.09312607	10.4992344
22	3.122E-05	10.4992516	0.4534094	1.7194E-05	1.8592E-05	1.8144E-07	1.7013E-05	1.4026E-05	0.00000	0	0	0	0.000	1.4011E-05	10.4992344	2.51203563	477.28677	39.7738975	0.0931263	0.09312607	10.4992346
23	3.10242E-05	10.4992516	0.45309865	1.7092E-05	1.8481E-05	1.8038E-07	1.6911E-05	1.3932E-05	0.00000	0	0	0	0.000	1.3918E-05	10.4992345	2.51203567	477.286777	39.7738981	0.0931263	0.09312607	10.4992347
24	3.08296E-05	10.4992517	0.45278804	1.699E-05	1.8371E-05	1.7931E-07	1.6811E-05	1.384E-05	0.00000	0	0	0	0.000	1.3826E-05	10.4992347	2.5120357	477.286784	39.7738986	0.0931263	0.09312607	10.4992349
1	3.06362E-05	10.4992517	0.45247756	1.6889E-05	1.8261E-05	1.7824E-07	1.671E-05	1.3748E-05	0.00000	0	0	0	0.000	1.3734E-05	10.4992348	2.51203574	477.28679	39.7738992	0.0931263	0.09312608	10.499235
2	3.0444E-05	10.4992517	0.45216721	1.6788E-05	1.8152E-05	1.7717E-07	1.6611E-05	1.3656E-05	0.00000	0	0	0	0.000	1.3642E-05	10.499235	2.51203577	477.286797	39.7738998	0.0931263	0.09312608	10.4992352
3	3.02529E-05	10.4992518	0.45185699	1.6687E-05	1.8044E-05	1.7611E-07	1.6511E-05	1.3565E-05	0.00000	0	0	0	0.000	1.3552E-05	10.4992351	2.51203581	477.286804	39.7739003	0.0931263	0.09312608	10.4992353
4	3.00631E-05	10.4992518	0.45154619	1.6586E-05	1.7936E-05	1.7506E-07	1.6413E-05	1.3475E-05	0.00000	0	0	0	0.000	1.3461E-05	10.4992352	2.51203584	477.286811	39.7739009	0.0931263	0.09312608	10.4992355
5	2.98742E-05	10.4992519	0.45123695	1.6489E-05	1.7829E-05	1.7402E-07	1.6315E-05	1.3385E-05	0.00000	0	0	0	0.000	1.3372E-05	10.4992353	2.51203588	477.286817	39.7739014	0.0931263	0.09312608	10.4992356
6	2.96865E-05	10.4992519	0.45092713	1.639E-05	1.7722E-05	1.7298E-07	1.6217E-05	1.3296E-05	0.00000	0	0	0	0.000	1.3283E-05	10.4992355	2.51203591	477.286824	39.773902	0.0931263	0.09312608	10.4992358
7	2.95E-05	10.499252	0.45061745	1.6292E-05	1.7616E-05	1.7194E-07	1.612E-05	1.3208E-05	0.00000	0	0	0	0.000	1.3194E-05	10.4992357	2.51203595	477.28683	39.7739025	0.0931263	0.09312608	10.4992359
8	2.93146E-05	10.499252	0.45030789	1.6195E-05	1.7511E-05	1.7091E-07	1.6024E-05	1.312E-05	0.00000	0	0	0	0.000	1.3106E-05	10.4992358	2.51203598	477.286837	39.7739031	0.0931263	0.09312608	10.4992361
9	2.91303E-05	10.4992521	0.44999847	1.6098E-05	1.7406E-05	1.6989E-07	1.5928E-05	1.3032E-05	0.00000	0	0	0	0.000	1.3019E-05	10.499236	2.51203602	477.286843	39.7739036	0.0931263	0.09312609	10.4992362
10	2.89472E-05	10.4992521	0.44969128	1.6001E-05	1.7301E-05	1.6888E-07	1.5832E-05	1.2946E-05	0.00000	0	0	0	0.000	1.2932E-05	10.4992361	2.51203605	477.28685	39.7739041	0.0931263	0.09312609	10.4992363
11	2.87651E-05	10.4992522	0.44938003	1.5906E-05	1.7199E-05	1.6787E-07	1.5738E-05	1.2859E-05	0.00000	0	0	0	0.000	1.2846E-05	10.4992363	2.51203609	477.286856	39.7739047	0.0931263	0.09312609	10.4992365
12	2.85841E-05	10.4992522	0.44907101	1.5811E-05	1.7096E-05	1.6686E-07	1.5644E-05	1.2773E-05	0.00000	0	0	0	0.000	1.276E-05	10.4992364	2.51203612	477.286863	39.7739052	0.0931263		

4	1.90209E-05	10.4992546	0.42956968	1.0729E-05	1.1601E-05	1.1323E-07	1.0616E-05	8.2917E-06	0.00000	0	0	0	0.000	8.2833E-06	10.4992439	2.51203792	477.287204	39.7739337	0.031263	0.09312616	10.4992441
5	1.88992E-05	10.4992547	0.42926929	1.0664E-05	1.1531E-05	1.1254E-07	1.0551E-05	8.2354E-06	0.00000	0	0	0	0.000	8.227E-06	10.499244	2.51203794	477.287209	39.773934	0.031263	0.09312616	10.4992442
6	1.87783E-05	10.4992547	0.42896803	1.0599E-05	1.146E-05	1.1186E-07	1.0487E-05	8.1795E-06	0.00000	0	0	0	0.000	8.1712E-06	10.4992441	2.51203796	477.287213	39.7739348	0.031263	0.09312616	10.4992443
7	1.86581E-05	10.4992547	0.42866891	1.0534E-05	1.139E-05	1.111E-07	1.0423E-05	8.1239E-06	0.00000	0	0	0	0.000	8.1156E-06	10.4992442	2.51203798	477.287217	39.7739348	0.031263	0.09312616	10.4992443
8	1.85387E-05	10.4992548	0.42836891	1.047E-05	1.1321E-05	1.105E-07	1.0359E-05	8.0687E-06	0.00000	0	0	0	0.000	8.0605E-06	10.4992443	2.51203801	477.287222	39.7739351	0.031263	0.09312616	10.4992444
9	1.842E-05	10.4992548	0.42806906	1.0406E-05	1.1252E-05	1.0982E-07	1.0296E-05	8.0139E-06	0.00000	0	0	0	0.000	8.0057E-06	10.4992444	2.51203803	477.287226	39.7739355	0.031263	0.09312616	10.4992445
10	1.8302E-05	10.4992548	0.42776933	1.0343E-05	1.1183E-05	1.0915E-07	1.0233E-05	7.9594E-06	0.00000	0	0	0	0.000	7.9513E-06	10.4992445	2.51203805	477.28723	39.7739359	0.031263	0.09312616	10.4992446
11	1.81847E-05	10.4992549	0.42746073	1.0279E-05	1.1115E-05	1.0849E-07	1.0171E-05	7.9053E-06	0.00000	0	0	0	0.000	7.8972E-06	10.4992446	2.51203808	477.287235	39.7739362	0.031263	0.09312616	10.4992447
12	1.80682E-05	10.4992549	0.42715071	1.0217E-05	1.1047E-05	1.0782E-07	1.0109E-05	7.8515E-06	0.00000	0	0	0	0.000	7.8435E-06	10.4992447	2.5120381	477.287239	39.7739366	0.031263	0.09312616	10.4992448
13	1.79524E-05	10.4992549	0.42687094	1.0154E-05	1.0981E-05	1.0716E-07	1.0047E-05	7.7981E-06	0.00000	0	0	0	0.000	7.7901E-06	10.4992448	2.51203812	477.287243	39.7739369	0.031263	0.09312616	10.4992449
14	1.78372E-05	10.499255	0.42657101	1.0092E-05	1.0912E-05	1.0651E-07	9.9857E-06	7.745E-06	0.00000	0	0	0	0.000	7.7371E-06	10.4992449	2.51203814	477.287247	39.7739373	0.031263	0.09312616	10.499245
15	1.77228E-05	10.499255	0.42627269	1.0031E-05	1.0846E-05	1.0586E-07	9.9247E-06	7.6923E-06	0.00000	0	0	0	0.000	7.6844E-06	10.499245	2.51203817	477.287251	39.7739376	0.031263	0.09312617	10.4992451
16	1.76091E-05	10.499255	0.42597376	9.9638E-06	1.078E-05	1.0521E-07	9.864E-06	7.6399E-06	0.00000	0	0	0	0.000	7.6321E-06	10.499245	2.51203819	477.287256	39.773938	0.031263	0.09312617	10.4992452
17	1.74962E-05	10.499255	0.42567496	9.9083E-06	1.0714E-05	1.0457E-07	9.8037E-06	7.5879E-06	0.00000	0	0	0	0.000	7.5801E-06	10.4992451	2.51203821	477.28726	39.7739383	0.031263	0.09312617	10.4992453
18	1.73839E-05	10.4992551	0.42537671	9.8477E-06	1.0648E-05	1.0389E-07	9.7438E-06	7.5362E-06	0.00000	0	0	0	0.000	7.5285E-06	10.4992452	2.51203823	477.287264	39.7739386	0.031263	0.09312617	10.4992454
19	1.72722E-05	10.4992551	0.42507777	9.7875E-06	1.0583E-05	1.0323E-07	9.6842E-06	7.4848E-06	0.00000	0	0	0	0.000	7.4772E-06	10.4992453	2.51203825	477.287268	39.773939	0.031263	0.09312617	10.4992454
20	1.71613E-05	10.4992551	0.42477937	9.7276E-06	1.0518E-05	1.0266E-07	9.6249E-06	7.4338E-06	0.00000	0	0	0	0.000	7.4262E-06	10.4992454	2.51203827	477.287272	39.7739393	0.031263	0.09312617	10.4992455
21	1.70511E-05	10.4992552	0.4244811	9.668E-06	1.0454E-05	1.0203E-07	9.566E-06	7.3831E-06	0.00000	0	0	0	0.000	7.3756E-06	10.4992455	2.51203829	477.287276	39.7739397	0.031263	0.09312617	10.4992456
22	1.69415E-05	10.4992552	0.42418297	9.6088E-06	1.039E-05	1.0141E-07	9.5074E-06	7.3327E-06	0.00000	0	0	0	0.000	7.3253E-06	10.4992456	2.51203832	477.28728	39.77394	0.031263	0.09312617	10.4992457
23	1.68327E-05	10.4992552	0.42388497	9.55E-06	1.0326E-05	1.0079E-07	9.4492E-06	7.2827E-06	0.00000	0	0	0	0.000	7.2753E-06	10.4992457	2.51203834	477.287284	39.7739403	0.031263	0.09312617	10.4992458
24	1.67245E-05	10.4992552	0.42358711	9.4915E-06	1.0263E-05	1.0017E-07	9.3913E-06	7.233E-06	0.00000	0	0	0	0.000	7.2256E-06	10.4992458	2.51203836	477.287288	39.7739407	0.031263	0.09312617	10.4992459
402	1	1.66169E-05	10.4992553	0.42328937	9.4333E-06	1.02E-05	9.3556E-06	7.1836E-06	0.00000	0	0	0	0.000	7.1763E-06	10.4992458	2.51203838	477.287292	39.773941	0.031263	0.09312617	10.499246
2	1.651E-05	10.4992553	0.42299177	9.3755E-06	1.0137E-05	8.9946E-06	9.2765E-06	7.1346E-06	0.00000	0	0	0	0.000	7.1273E-06	10.4992459	2.5120384	477.287296	39.7739413	0.031263	0.09312617	10.4992461
3	1.64038E-05	10.4992553	0.4226943	9.318E-06	1.0075E-05	8.9339E-06	9.2197E-06	7.0858E-06	0.00000	0	0	0	0.000	7.0786E-06	10.499246	2.51203842	477.2873	39.7739416	0.031263	0.09312618	10.4992461
4	1.62983E-05	10.4992554	0.42239697	9.2609E-06	1.0014E-05	8.8736E-06	9.1631E-06	7.0374E-06	0.00000	0	0	0	0.000	7.0303E-06	10.4992461	2.51203844	477.287303	39.773942	0.031263	0.09312618	10.4992462
5	1.61934E-05	10.4992554	0.42209877	9.2041E-06	9.9521E-06	8.8136E-06	9.1069E-06	6.9893E-06	0.00000	0	0	0	0.000	6.9822E-06	10.4992462	2.51203846	477.287307	39.7739423	0.031263	0.09312618	10.4992463
6	1.60881E-05	10.4992554	0.4218027	9.1476E-06	9.891E-06	8.7545E-06	9.054E-06	6.9365E-06	0.00000	0	0	0	0.000	6.9345E-06	10.4992463	2.51203848	477.287311	39.7739426	0.031263	0.09312618	10.4992464
7	1.59855E-05	10.4992554	0.42150756	9.0914E-06	9.8303E-06	8.6958E-06	8.9955E-06	6.8941E-06	0.00000	0	0	0	0.000	6.8871E-06	10.4992464	2.5120385	477.287315	39.7739429	0.031263	0.09312618	10.4992465
8	1.58825E-05	10.4992555	0.42120896	9.0366E-06	9.77E-06	8.5359E-06	8.9402E-06	6.8469E-06	0.00000	0	0	0	0.000	6.84E-06	10.4992464	2.51203852	477.287319	39.7739432	0.031263	0.09312618	10.4992466
9	1.57802E-05	10.4992555	0.42091229	8.9801E-06	9.71E-06	8.4773E-06	8.8853E-06	6.8001E-06	0.00000	0	0	0	0.000	6.7932E-06	10.4992465	2.51203854	477.287323	39.7739435	0.031263	0.09312618	10.4992466
10	1.56785E-05	10.4992555	0.42061575	8.9249E-06	9.6503E-06	8.4191E-06	8.8307E-06	6.7536E-06	0.00000	0	0	0	0.000	6.7467E-06	10.4992466	2.51203856	477.287326	39.7739439	0.031263	0.09312618	10.4992467
11	1.55774E-05	10.4992556	0.42031935	8.8701E-06	9.591E-06	8.3612E-06	8.7765E-06	6.7039E-06	0.00000	0	0	0	0.000	6.7005E-06	10.4992467	2.51203858	477.28733	39.7739442	0.031263	0.09312618	10.4992468
12	1.5477E-05	10.4992556	0.42002328	8.8157E-06	9.531E-06	8.3027E-06	8.7235E-06	6.6546E-06	0.00000	0	0	0	0.000	6.6516E-06	10.4992468	2.5120386	477.287334	39.7739445	0.031263	0.09312618	10.4992469
13	1.53772E-05	10.4992556	0.41972694	8.7614E-06	9.473E-06	8.2465E-06	8.6689E-06	6.6158E-06	0.00000	0	0	0	0.000	6.609E-06	10.4992468	2.51203862	477.287337	39.7739448	0.031263	0.09312618	10.499247
14	1.5278E-05	10.4992556	0.41943094	8.7075E-06	9.4152E-06	8.1896E-06	8.6156E-06	6.5705E-06	0.00000	0	0	0	0.000	6.5638E-06	10.4992469	2.51203864	477.287341	39.7739451	0.031263	0.09312618	10.499247
15	1.51794E-05	10.4992557	0.41913506	8.6539E-06	9.3573E-06	8.1331E-06	8.5626E-06	6.5254E-06	0.00000	0	0	0	0.000	6.5188E-06	10.499247	2.51203866	477.287345	39.7739454	0.031263	0.09312618	10.4992471
16	1.50814E-05	10.4992557	0.41883932	8.6007E-06	9.2997E-06	8.0769E-06	8.5099E-06	6.4807E-06	0.00000	0	0	0	0.000	6.4741E-06	10.4992471	2.51203868	477.287348	39.7739457	0.031263	0.09312618	10.4992472
17	1.4984E-05	10.4992557	0.41854727	8.5477E-06	9.2425E-06	8.0241E-06	8.4575E-06	6.4329E-06	0.00000	0	0	0	0.000	6.427E-06	10.4992472	2.5120387	477.28735	39.773946	0.031263	0.09312619	10.4992473
18	1.48872E-05	10.4992557	0.41824824	8.4951E-06	9.1856E-06	8.0655E-06	8.4055E-06	6.3921E-06	0.00000	0	0	0	0.000	6.3856E-06	10.4992472	2.51203871	477.287355	39.7739463	0.031263	0.09312619	10.4992474
19	1.47911E-05	10.4992558	0.4179529	8.4428E-06	9.129E-06	8.0103E-06	8.3537E-06	6.3483E-06	0.00000	0	0	0	0.000	6.3418E-06	10.4992473	2.51203873	477.287359	39.7739466	0.031263	0.09312619	10.4992474
20	1.46955E-05	10.4992558	0.4176577	8.3908E-06	9.0728E-06	8.8554E-06	8.3022E-06	6.3047E-06	0.00000	0	0	0	0.000	6.2983E-06	10.4992474	2.51203875	477.287363	39.7739469	0.031263	0.09312619	10.4992475
21	1.46005E-05	10.4992558	0.41736262	8.3391E-06	9.0169E-06	8.8008E-06	8.2511E-06	6.2614E-06	0.00000	0	0	0	0.000	6.2551E-06	10.4992475	2.51203877	477.287366	39.7739472	0.031263	0.09312619	10.4992476
22	1.45061E-05	10.4992558	0.41706768	8.2877E-06	8.9613E-06	8.7466E-06	8.2002E-06	6.2185E-06	0.00000	0	0	0	0.000	6.2121E-06	10.4992476						

	6	1.00615E-05	10.4992571	0.40076313	5.8464E-06	6.3215E-06	6.1701E-08	5.7847E-06	4.2152E-06	0.00000	0	0	0	0.000	4.2109E-06	10.4992512	2.51203966	477.287536	39.7739613	0.0931263	0.09312622	10.4992513
	7	9.99554E-06	10.4992571	0.40047577	5.8098E-06	6.282E-06	6.1314E-08	5.7484E-06	4.1858E-06	0.00000	0	0	0	0.000	4.1815E-06	10.4992513	2.51203967	477.287539	39.7739615	0.0931263	0.09312622	10.4992514
	8	9.92996E-06	10.4992571	0.40018854	5.7734E-06	6.2426E-06	6.093E-08	5.7124E-06	4.1566E-06	0.00000	0	0	0	0.000	4.1523E-06	10.4992513	2.51203969	477.287541	39.7739618	0.0931263	0.09312622	10.4992515
	9	9.8648E-06	10.4992571	0.39990144	5.7372E-06	6.2031E-06	6.0549E-08	5.6767E-06	4.1276E-06	0.00000	0	0	0	0.000	4.1234E-06	10.4992514	2.5120397	477.287543	39.773962	0.0931263	0.09312622	10.4992516
	10	9.80004E-06	10.4992571	0.39961447	5.7013E-06	6.1646E-06	6.0169E-08	5.6411E-06	4.0988E-06	0.00000	0	0	0	0.000	4.0946E-06	10.4992514	2.51203972	477.287546	39.7739622	0.0931263	0.09312622	10.4992517
	11	9.7357E-06	10.4992572	0.39932764	5.6655E-06	6.126E-06	5.9792E-08	5.6057E-06	4.0702E-06	0.00000	0	0	0	0.000	4.066E-06	10.4992515	2.51203973	477.287548	39.7739624	0.0931263	0.09312622	10.4992518
	12	9.67176E-06	10.4992572	0.39904094	5.63E-06	6.0876E-06	5.9417E-08	5.5706E-06	4.0417E-06	0.00000	0	0	0	0.000	4.0376E-06	10.4992515	2.51203974	477.287551	39.7739626	0.0931263	0.09312622	10.4992519
	13	9.60823E-06	10.4992572	0.39875438	5.5947E-06	6.0494E-06	5.9045E-08	5.5357E-06	4.0135E-06	0.00000	0	0	0	0.000	4.0094E-06	10.4992516	2.51203975	477.287553	39.7739628	0.0931263	0.09312622	10.4992520
	14	9.54509E-06	10.4992572	0.39846794	5.5596E-06	6.0115E-06	5.8674E-08	5.5009E-06	3.9855E-06	0.00000	0	0	0	0.000	3.9814E-06	10.4992516	2.51203977	477.287556	39.773963	0.0931263	0.09312622	10.4992521
	15	9.48236E-06	10.4992572	0.39818164	5.5247E-06	5.9738E-06	5.8386E-08	5.4665E-06	3.9575E-06	0.00000	0	0	0	0.000	3.9536E-06	10.4992517	2.51203978	477.287558	39.7739632	0.0931263	0.09312622	10.4992522
	16	9.42002E-06	10.4992572	0.39789548	5.4901E-06	5.9363E-06	5.794E-08	5.4321E-06	3.93E-06	0.00000	0	0	0	0.000	3.926E-06	10.4992518	2.51203979	477.28756	39.7739634	0.0931263	0.09312623	10.4992518
	17	9.35808E-06	10.4992573	0.39760944	5.4556E-06	5.899E-06	5.7577E-08	5.398E-06	3.9025E-06	0.00000	0	0	0	0.000	3.8985E-06	10.4992518	2.5120398	477.287563	39.7739636	0.0931263	0.09312623	10.4992519
	18	9.29652E-06	10.4992573	0.39732354	5.4213E-06	5.862E-06	5.7215E-08	5.3641E-06	3.8752E-06	0.00000	0	0	0	0.000	3.8712E-06	10.4992519	2.51203982	477.287565	39.7739638	0.0931263	0.09312623	10.4992520
	19	9.23363E-06	10.4992573	0.39703777	5.3873E-06	5.8251E-06	5.6856E-08	5.3304E-06	3.8481E-06	0.00000	0	0	0	0.000	3.8442E-06	10.4992519	2.51203983	477.287567	39.773964	0.0931263	0.09312623	10.4992521
	20	9.17459E-06	10.4992573	0.39675214	5.3534E-06	5.7885E-06	5.6468E-08	5.2969E-06	3.8211E-06	0.00000	0	0	0	0.000	3.8173E-06	10.4992520	2.51203984	477.28757	39.7739642	0.0931263	0.09312623	10.4992522
	21	9.11419E-06	10.4992573	0.39646664	5.3198E-06	5.7522E-06	5.6143E-08	5.2637E-06	3.7944E-06	0.00000	0	0	0	0.000	3.7905E-06	10.4992520	2.51203985	477.287572	39.7739643	0.0931263	0.09312623	10.4992523
	22	9.05419E-06	10.4992573	0.39618127	5.2864E-06	5.716E-06	5.579E-08	5.2306E-06	3.7678E-06	0.00000	0	0	0	0.000	3.764E-06	10.4992521	2.51203987	477.287574	39.7739645	0.0931263	0.09312623	10.4992524
	23	8.99456E-06	10.4992574	0.39589603	5.2531E-06	5.6801E-06	5.544E-08	5.1977E-06	3.7414E-06	0.00000	0	0	0	0.000	3.7376E-06	10.4992521	2.51203988	477.287577	39.7739647	0.0931263	0.09312623	10.4992525
	24	8.93531E-06	10.4992574	0.39561093	5.2201E-06	5.6443E-06	5.5091E-08	5.165E-06	3.7152E-06	0.00000	0	0	0	0.000	3.7115E-06	10.4992522	2.51203989	477.287579	39.7739649	0.0931263	0.09312623	10.4992526
406	1	8.87643E-06	10.4992574	0.39532596	5.1872E-06	5.6088E-06	5.4744E-08	5.1325E-06	3.6892E-06	0.00000	0	0	0	0.000	3.6845E-06	10.4992522	2.5120399	477.287581	39.7739651	0.0931263	0.09312623	10.4992527
	2	8.81793E-06	10.4992574	0.39504112	5.1546E-06	5.5735E-06	5.444E-08	5.1002E-06	3.6633E-06	0.00000	0	0	0	0.000	3.6596E-06	10.4992523	2.51203991	477.287583	39.7739653	0.0931263	0.09312623	10.4992528
	3	8.7598E-06	10.4992574	0.39475642	5.1221E-06	5.5384E-06	5.4057E-08	5.0681E-06	3.6377E-06	0.00000	0	0	0	0.000	3.634E-06	10.4992523	2.51203992	477.287586	39.7739655	0.0931263	0.09312623	10.4992529
	4	8.70203E-06	10.4992574	0.39447184	5.0899E-06	5.5036E-06	5.3717E-08	5.0362E-06	3.6121E-06	0.00000	0	0	0	0.000	3.6085E-06	10.4992524	2.51203994	477.287588	39.7739657	0.0931263	0.09312623	10.4992530
	5	8.64464E-06	10.4992575	0.39418741	5.0578E-06	5.4689E-06	5.3379E-08	5.0044E-06	3.5868E-06	0.00000	0	0	0	0.000	3.5832E-06	10.4992524	2.51203995	477.28759	39.7739658	0.0931263	0.09312623	10.4992531
	6	8.5876E-06	10.4992575	0.3939031	5.026E-06	5.4344E-06	5.3042E-08	4.9729E-06	3.5616E-06	0.00000	0	0	0	0.000	3.558E-06	10.4992525	2.51203996	477.287592	39.773966	0.0931263	0.09312623	10.4992532
	7	8.53093E-06	10.4992575	0.39361893	4.9943E-06	5.4002E-06	5.2708E-08	4.9416E-06	3.5366E-06	0.00000	0	0	0	0.000	3.533E-06	10.4992525	2.51203997	477.287594	39.7739662	0.0931263	0.09312623	10.4992533
	8	8.47426E-06	10.4992575	0.39334661	4.9623E-06	5.3661E-06	5.2376E-08	4.9104E-06	3.5118E-06	0.00000	0	0	0	0.000	3.5082E-06	10.4992526	2.51203998	477.287596	39.7739664	0.0931263	0.09312623	10.4992534
	9	8.41867E-06	10.4992575	0.39305098	4.9315E-06	5.3323E-06	5.2046E-08	4.8795E-06	3.4872E-06	0.00000	0	0	0	0.000	3.4836E-06	10.4992526	2.51203999	477.287599	39.7739666	0.0931263	0.09312623	10.4992535
	10	8.36307E-06	10.4992575	0.39276721	4.9004E-06	5.2987E-06	5.1717E-08	4.8487E-06	3.4627E-06	0.00000	0	0	0	0.000	3.4591E-06	10.4992526	2.51204	477.287601	39.7739667	0.0931263	0.09312623	10.4992536
	11	8.30783E-06	10.4992576	0.39248357	4.8695E-06	5.2653E-06	5.1391E-08	4.8181E-06	3.4383E-06	0.00000	0	0	0	0.000	3.4348E-06	10.4992527	2.51204002	477.287603	39.7739669	0.0931263	0.09312623	10.4992537
	12	8.25293E-06	10.4992576	0.39220006	4.8388E-06	5.232E-06	5.1067E-08	4.7877E-06	3.4142E-06	0.00000	0	0	0	0.000	3.4107E-06	10.4992527	2.51204003	477.287605	39.7739671	0.0931263	0.09312623	10.4992538
	13	8.19839E-06	10.4992576	0.39191668	4.8082E-06	5.199E-06	5.0744E-08	4.7575E-06	3.3902E-06	0.00000	0	0	0	0.000	3.3867E-06	10.4992528	2.51204004	477.287607	39.7739673	0.0931263	0.09312624	10.4992539
	14	8.14419E-06	10.4992576	0.39163344	4.7772E-06	5.1624E-06	5.0424E-08	4.7276E-06	3.3656E-06	0.00000	0	0	0	0.000	3.362E-06	10.4992528	2.51204005	477.287609	39.7739674	0.0931263	0.09312624	10.4992540
	15	8.09034E-06	10.4992576	0.39135033	4.7477E-06	5.1336E-06	5.0105E-08	4.6976E-06	3.3426E-06	0.00000	0	0	0	0.000	3.3392E-06	10.4992529	2.51204006	477.287611	39.7739676	0.0931263	0.09312624	10.4992541
	16	8.03682E-06	10.4992576	0.39106735	4.7177E-06	5.1011E-06	4.9789E-08	4.6679E-06	3.3191E-06	0.00000	0	0	0	0.000	3.3157E-06	10.4992529	2.51204007	477.287614	39.7739678	0.0931263	0.09312624	10.4992542
	17	7.98365E-06	10.4992577	0.39078451	4.6879E-06	5.0689E-06	4.9474E-08	4.6384E-06	3.2958E-06	0.00000	0	0	0	0.000	3.2924E-06	10.499253	2.51204008	477.287616	39.7739679	0.0931263	0.09312624	10.4992543
	18	7.93082E-06	10.4992577	0.3905018	4.6583E-06	5.0369E-06	4.9162E-08	4.6091E-06	3.2726E-06	0.00000	0	0	0	0.000	3.2692E-06	10.499253	2.51204009	477.287618	39.7739681	0.0931263	0.09312624	10.4992544
	19	7.87831E-06	10.4992577	0.39021922	4.6286E-06	5.0052E-06	4.8851E-08	4.578E-06	3.249E-06	0.00000	0	0	0	0.000	3.2456E-06	10.4992531	2.5120401	477.287619	39.7739683	0.0931263	0.09312624	10.4992545
	20	7.82617E-06	10.4992577	0.38993678	4.5995E-06	4.9734E-06	4.8542E-08	4.551E-06	3.2266E-06	0.00000	0	0	0	0.000	3.2231E-06	10.4992531	2.51204011	477.287622	39.7739685	0.0931263	0.09312624	10.4992546
	21	7.77434E-06	10.4992577	0.38965446	4.5704E-06	4.9419E-06	4.8235E-08	4.5222E-06	3.2039E-06	0.00000	0	0	0	0.000	3.2006E-06	10.4992531	2.51204012	477.287624	39.7739686	0.0931263	0.09312624	10.4992547
	22	7.72284E-06	10.4992577	0.38937229	4.5415E-06	4.9106E-06	4.793E-08	4.4936E-06	3.1813E-06	0.00000	0	0	0	0.000	3.1781E-06	10.4992532	2.51204013	477.287626	39.7739688	0.0931263	0.09312624	10.4992548
	23	7.67167E-06	10.4992577	0.38909024	4.5128E-06	4.8795E-06	4.7626E-08	4.4651E-06	3.1589E-06	0.00000	0	0	0	0.000	3.1557E-06	10.4992532	2.51204015	477.287628	39.773969			

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10	2.68214E-06	10.4992593	0.346697796	1.6513E-06	1.7855E-06	1.7428E-08	1.6339E-06	1.0308E-06	0.00000	0	0	0	0.0000	1.0298E-06	10.4992576	2.51204119	477.287827	39.7739856	0.0931263	0.09312628	10.4992576
11	2.66367E-06	10.4992593	0.346716E-06	1.6404E-06	1.7738E-06	1.7313E-08	1.6231E-06	1.0232E-06	0.00000	0	0	0	0.0000	1.0222E-06	10.4992576	2.5120412	477.287828	39.7739856	0.0931263	0.09312628	10.4992577
12	2.64531E-06	10.4992593	0.34645538	1.6298E-06	1.7622E-06	1.7198E-08	1.6124E-06	1.0157E-06	0.00000	0	0	0	0.0000	1.0147E-06	10.4992576	2.5120412	477.287828	39.7739857	0.0931263	0.09312628	10.4992577
13	2.62708E-06	10.4992593	0.34619429	1.6188E-06	1.7504E-06	1.7085E-08	1.6018E-06	1.0082E-06	0.00000	0	0	0	0.0000	1.0072E-06	10.4992577	2.51204121	477.287829	39.7739858	0.0931263	0.09312628	10.4992577
14	2.60897E-06	10.4992593	0.34593333	1.6081E-06	1.7388E-06	1.6972E-08	1.5912E-06	1.0008E-06	0.00000	0	0	0	0.0000	9.9981E-07	10.4992577	2.51204121	477.28783	39.7739858	0.0931263	0.09312628	10.4992577
15	2.59097E-06	10.4992593	0.3456725	1.5975E-06	1.7274E-06	1.6866E-08	1.5807E-06	9.9346E-07	0.00000	0	0	0	0.0000	9.9245E-07	10.4992577	2.51204121	477.287831	39.7739859	0.0931263	0.09312628	10.4992577
16	2.57311E-06	10.4992593	0.34541181	1.5876E-06	1.7159E-06	1.6748E-08	1.5702E-06	9.8615E-07	0.00000	0	0	0	0.0000	9.8514E-07	10.4992577	2.51204122	477.287831	39.773986	0.0931263	0.09312628	10.4992577
17	2.55535E-06	10.4992593	0.34515124	1.5765E-06	1.7046E-06	1.6637E-08	1.5598E-06	9.7889E-07	0.00000	0	0	0	0.0000	9.7789E-07	10.4992577	2.51204122	477.287832	39.773986	0.0931263	0.09312628	10.4992578
18	2.53772E-06	10.4992593	0.34488181	1.5660E-06	1.6933E-06	1.6527E-08	1.5495E-06	9.7186E-07	0.00000	0	0	0	0.0000	9.7096E-07	10.4992577	2.51204123	477.287833	39.7739861	0.0931263	0.09312628	10.4992578
19	2.52021E-06	10.4992593	0.34463052	1.5557E-06	1.6821E-06	1.6418E-08	1.5393E-06	9.6453E-07	0.00000	0	0	0	0.0000	9.6354E-07	10.4992577	2.51204123	477.287834	39.7739861	0.0931263	0.09312628	10.4992578
20	2.5028E-06	10.4992593	0.34437053	1.5454E-06	1.6717E-06	1.6309E-08	1.5291E-06	9.5742E-07	0.00000	0	0	0	0.0000	9.5644E-07	10.4992578	2.51204123	477.287834	39.7739862	0.0931263	0.09312628	10.4992578
21	2.48551E-06	10.4992593	0.34411032	1.5351E-06	1.6599E-06	1.6201E-08	1.5189E-06	9.5036E-07	0.00000	0	0	0	0.0000	9.4944E-07	10.4992578	2.51204124	477.287835	39.7739863	0.0931263	0.09312628	10.4992578
22	2.46834E-06	10.4992593	0.34385041	1.5255E-06	1.6489E-06	1.6094E-08	1.5089E-06	9.4336E-07	0.00000	0	0	0	0.0000	9.4244E-07	10.4992578	2.51204124	477.287836	39.7739863	0.0931263	0.09312628	10.4992578
23	2.45129E-06	10.4992593	0.34359065	1.5149E-06	1.6386E-06	1.5988E-08	1.4989E-06	9.3644E-07	0.00000	0	0	0	0.0000	9.3545E-07	10.4992578	2.51204125	477.287837	39.7739864	0.0931263	0.09312628	10.4992578
24	2.43435E-06	10.4992593	0.34333101	1.5049E-06	1.6272E-06	1.5882E-08	1.4896E-06	9.2957E-07	0.00000	0	0	0	0.0000	9.2855E-07	10.4992578	2.51204125	477.287837	39.7739864	0.0931263	0.09312628	10.4992579
1	2.41752E-06	10.4992594	0.3430715	1.4949E-06	1.6164E-06	1.5776E-08	1.4791E-06	9.2264E-07	0.00000	0	0	0	0.0000	9.2177E-07	10.4992579	2.51204125	477.287838	39.7739865	0.0931263	0.09312628	10.4992579
2	2.4008E-06	10.4992594	0.34281213	1.4855E-06	1.6057E-06	1.5672E-08	1.4693E-06	9.1583E-07	0.00000	0	0	0	0.0000	9.1498E-07	10.4992579	2.51204126	477.287839	39.7739866	0.0931263	0.09312628	10.4992579
3	2.3842E-06	10.4992594	0.34255289	1.4751E-06	1.5955E-06	1.5568E-08	1.4596E-06	9.0907E-07	0.00000	0	0	0	0.0000	9.0815E-07	10.4992579	2.51204126	477.287839	39.7739866	0.0931263	0.09312628	10.4992579
4	2.3677E-06	10.4992594	0.34229378	1.4653E-06	1.5844E-06	1.5465E-08	1.4499E-06	9.0236E-07	0.00000	0	0	0	0.0000	9.0144E-07	10.4992579	2.51204126	477.28784	39.7739867	0.0931263	0.09312628	10.4992579
5	2.35132E-06	10.4992594	0.3420348	1.4556E-06	1.5739E-06	1.5362E-08	1.4403E-06	8.957E-07	0.00000	0	0	0	0.0000	8.9478E-07	10.4992579	2.51204127	477.287841	39.7739867	0.0931263	0.09312628	10.4992579
6	2.33504E-06	10.4992594	0.34177596	1.4466E-06	1.5635E-06	1.5265E-08	1.4307E-06	8.8908E-07	0.00000	0	0	0	0.0000	8.8817E-07	10.4992579	2.51204127	477.287841	39.7739868	0.0931263	0.09312628	10.499258
7	2.31888E-06	10.4992594	0.34151724	1.4364E-06	1.5531E-06	1.5159E-08	1.4212E-06	8.8251E-07	0.00000	0	0	0	0.0000	8.8161E-07	10.4992579	2.51204127	477.287842	39.7739868	0.0931263	0.09312628	10.499258
8	2.30282E-06	10.4992594	0.34125866	1.4268E-06	1.5428E-06	1.5058E-08	1.4118E-06	8.7599E-07	0.00000	0	0	0	0.0000	8.751E-07	10.499258	2.51204128	477.287843	39.7739869	0.0931263	0.09312628	10.499258
9	2.28687E-06	10.4992594	0.34100022	1.4174E-06	1.5326E-06	1.4958E-08	1.4024E-06	8.6951E-07	0.00000	0	0	0	0.0000	8.6863E-07	10.499258	2.51204128	477.287844	39.773987	0.0931263	0.09312628	10.499258
10	2.27103E-06	10.4992594	0.3407419	1.4079E-06	1.5224E-06	1.4859E-08	1.3931E-06	8.6308E-07	0.00000	0	0	0	0.0000	8.622E-07	10.499258	2.51204129	477.287844	39.773987	0.0931263	0.09312628	10.499258
11	2.25529E-06	10.4992594	0.34048371	1.3986E-06	1.5123E-06	1.4767E-08	1.3838E-06	8.567E-07	0.00000	0	0	0	0.0000	8.5583E-07	10.499258	2.51204129	477.287845	39.7739871	0.0931263	0.09312628	10.499258
12	2.23965E-06	10.4992594	0.34022566	1.3891E-06	1.5022E-06	1.4662E-08	1.3746E-06	8.5036E-07	0.00000	0	0	0	0.0000	8.4949E-07	10.499258	2.51204129	477.287845	39.7739871	0.0931263	0.09312628	10.499258
13	2.22413E-06	10.4992594	0.33996774	1.3801E-06	1.4922E-06	1.4565E-08	1.3655E-06	8.4407E-07	0.00000	0	0	0	0.0000	8.4321E-07	10.499258	2.5120413	477.287846	39.7739872	0.0931263	0.09312628	10.4992581
14	2.2087E-06	10.4992594	0.33970995	1.3709E-06	1.4823E-06	1.4468E-08	1.3564E-06	8.3782E-07	0.00000	0	0	0	0.0000	8.3696E-07	10.4992581	2.5120413	477.287847	39.7739872	0.0931263	0.09312628	10.4992581
15	2.19338E-06	10.4992594	0.3394523	1.3618E-06	1.4724E-06	1.4372E-08	1.3474E-06	8.3161E-07	0.00000	0	0	0	0.0000	8.3077E-07	10.4992581	2.5120413	477.287847	39.7739873	0.0931263	0.09312628	10.4992581
16	2.17816E-06	10.4992594	0.33919477	1.3527E-06	1.4626E-06	1.4276E-08	1.3384E-06	8.2546E-07	0.00000	0	0	0	0.0000	8.2461E-07	10.4992581	2.51204131	477.287848	39.7739873	0.0931263	0.09312628	10.4992581
17	2.16304E-06	10.4992594	0.33893738	1.3437E-06	1.4529E-06	1.4181E-08	1.3295E-06	8.1934E-07	0.00000	0	0	0	0.0000	8.1851E-07	10.4992581	2.51204131	477.287849	39.7739874	0.0931263	0.09312628	10.4992581
18	2.14803E-06	10.4992595	0.33868121	1.3347E-06	1.4432E-06	1.4087E-08	1.3207E-06	8.1327E-07	0.00000	0	0	0	0.0000	8.1245E-07	10.4992581	2.51204132	477.287849	39.7739874	0.0931263	0.09312628	10.4992581
19	2.13311E-06	10.4992594	0.33842299	1.3259E-06	1.4336E-06	1.3993E-08	1.3119E-06	8.0724E-07	0.00000	0	0	0	0.0000	8.0642E-07	10.4992581	2.51204132	477.28785	39.7739875	0.0931263	0.09312628	10.4992581
20	2.1183E-06	10.4992595	0.338166	1.317E-06	1.4241E-06	1.39E-08	1.3031E-06	8.0126E-07	0.00000	0	0	0	0.0000	8.0044E-07	10.4992581	2.51204132	477.287851	39.7739876	0.0931263	0.09312628	10.4992582
21	2.10358E-06	10.4992595	0.33790913	1.3083E-06	1.4146E-06	1.3807E-08	1.2945E-06	7.9531E-07	0.00000	0	0	0	0.0000	7.945E-07	10.4992582	2.51204132	477.287851	39.7739876	0.0931263	0.09312628	10.4992582
22	2.08897E-06	10.4992595	0.3376524	1.2996E-06	1.4052E-06	1.3715E-08	1.2858E-06	7.8941E-07	0.00000	0	0	0	0.0000	7.8861E-07	10.4992582	2.51204133	477.287852	39.7739877	0.0931263	0.09312628	10.4992582
23	2.07454E-06	10.4992595	0.337398	1.2903E-06	1.3958E-06	1.3624E-08	1.2776E-06	7.8349E-07	0.00000	0	0	0	0.0000	7.827E-07	10.4992582	2.51204133	477.287852	39.7739877	0.0931263	0.09312628	10.4992582
24	2.06027E-06	10.4992595	0.33713933	1.2823E-06	1.3865E-06	1.3533E-08	1.2688E-06	7.7774E-07	0.00000	0	0	0	0.0000	7.7695E-07	10.4992582	2.51204133	477.287853	39.7739878	0.0931263	0.09312628	10.4992582
1	2.0457E-06	10.4992595	0.33688299	1.2737E-06	1.3773E-06	1.3443E-08	1.2603E-06	7.7197E-07	0.00000	0	0	0	0.0000	7.7118E-07	10.4992582	2.51204134	477.287854	39.7739878	0.0931263	0.09312628	10.4992582
2	2.03147E-06	10.4992595	0.33662679	1.2652E-06	1.3681E-06	1.3353E-08	1.2519E-06	7.6623E-07	0.00000	0	0	0	0.0000	7.6545E-07	10.4992582	2.51204134	477.287854	39.7739879	0.0931263	0.09312628	10.4992582
3	2.01734E-06	10.4992595	0.33637072	1.2568E-06	1.3589E-06	1.3264E-08	1.2435E-06	7.6054E-07	0.00000	0	0	0	0.0000	7.5977E-07	10.4992582	2.51204134	477.287855	39.7739879	0.0931263	0.09312628	10.4992582
4	2.0033E-06	10.4992595	0.33611478	1.2484E-06	1.3499E																

12	1.35119E-06	10.4992597	0.32199235	8.5558E-07	9.2511E-07	9.0295E-09	8.4655E-07	4.9562E-07	0.00000	0	0	0	0.000	4.9511E-07	10.4992589	2.51204149	477.287884	39.7739903	0.0931263	0.09312629	10.4992589
13	1.34166E-06	10.4992597	0.32174392	8.4978E-07	9.1885E-07	8.9683E-09	8.4081E-07	4.9188E-07	0.00000	0	0	0	0.000	4.9138E-07	10.4992589	2.5120415	477.287884	39.7739903	0.0931263	0.09312629	10.4992589
14	1.33219E-06	10.4992597	0.32149561	8.4402E-07	9.1262E-07	8.9077E-09	8.3511E-07	4.8817E-07	0.00000	0	0	0	0.000	4.8767E-07	10.4992589	2.5120415	477.287884	39.7739904	0.0931263	0.09312629	10.4992589
15	1.32278E-06	10.4992597	0.32124744	8.383E-07	9.0641E-07	8.8471E-09	8.2945E-07	4.8494E-07	0.00000	0	0	0	0.000	4.8399E-07	10.4992589	2.5120415	477.287885	39.7739904	0.0931263	0.09312629	10.4992589
16	1.31344E-06	10.4992597	0.32099093	8.3262E-07	9.0029E-07	8.7872E-09	8.2383E-07	4.8083E-07	0.00000	0	0	0	0.000	4.8034E-07	10.4992589	2.5120415	477.287885	39.7739904	0.0931263	0.09312629	10.4992589
17	1.30417E-06	10.4992597	0.32075148	8.2697E-07	8.9418E-07	8.7276E-09	8.1824E-07	4.772E-07	0.00000	0	0	0	0.000	4.7671E-07	10.4992589	2.5120415	477.287886	39.7739905	0.0931263	0.09312629	10.4992589
18	1.29495E-06	10.4992597	0.3205037	8.2136E-07	8.8811E-07	8.6684E-09	8.1269E-07	4.736E-07	0.00000	0	0	0	0.000	4.7311E-07	10.4992589	2.51204151	477.287886	39.7739905	0.0931263	0.09312629	10.4992589
19	1.2858E-06	10.4992597	0.32025605	8.1578E-07	8.8209E-07	8.6095E-09	8.0718E-07	4.7002E-07	0.00000	0	0	0	0.000	4.6954E-07	10.4992589	2.51204151	477.287887	39.7739905	0.0931263	0.09312629	10.4992589
20	1.27671E-06	10.4992597	0.32000854	8.1025E-07	8.761E-07	8.5511E-09	8.017E-07	4.6647E-07	0.00000	0	0	0	0.000	4.6599E-07	10.4992589	2.51204151	477.287887	39.7739905	0.0931263	0.09312629	10.4992589
21	1.26769E-06	10.4992597	0.31976157	8.0475E-07	8.7015E-07	8.493E-09	7.9625E-07	4.6294E-07	0.00000	0	0	0	0.000	4.6247E-07	10.4992589	2.51204151	477.287887	39.7739906	0.0931263	0.09312629	10.4992589
22	1.25872E-06	10.4992598	0.31951139	7.9928E-07	8.6424E-07	8.4354E-09	7.9085E-07	4.5944E-07	0.00000	0	0	0	0.000	4.5897E-07	10.499259	2.51204151	477.287888	39.7739906	0.0931263	0.09312629	10.499259
23	1.24982E-06	10.4992598	0.31926677	7.9385E-07	8.5837E-07	8.3781E-09	7.8547E-07	4.5597E-07	0.00000	0	0	0	0.000	4.555E-07	10.499259	2.51204152	477.287888	39.7739907	0.0931263	0.09312629	10.499259
24	1.24098E-06	10.4992598	0.31901978	7.8846E-07	8.5254E-07	8.3211E-09	7.8014E-07	4.5252E-07	0.00000	0	0	0	0.000	4.5206E-07	10.499259	2.51204152	477.287888	39.7739907	0.0931263	0.09312629	10.499259
1	1.2322E-06	10.4992598	0.31877292	7.831E-07	8.4675E-07	8.2644E-09	7.7483E-07	4.491E-07	0.00000	0	0	0	0.000	4.4864E-07	10.499259	2.51204152	477.287889	39.7739907	0.0931263	0.09312629	10.499259
2	1.22347E-06	10.4992598	0.31852519	7.7778E-07	8.4099E-07	8.2084E-09	7.6957E-07	4.457E-07	0.00000	0	0	0	0.000	4.4524E-07	10.499259	2.51204152	477.287889	39.7739908	0.0931263	0.09312629	10.499259
3	1.21481E-06	10.4992598	0.31827959	7.7249E-07	8.3527E-07	8.1524E-09	7.6433E-07	4.423E-07	0.00000	0	0	0	0.000	4.4187E-07	10.499259	2.51204152	477.28789	39.7739908	0.0931263	0.09312629	10.499259
4	1.20621E-06	10.4992598	0.31803312	7.6723E-07	8.2959E-07	8.0971E-09	7.5913E-07	4.3898E-07	0.00000	0	0	0	0.000	4.3853E-07	10.499259	2.51204153	477.28789	39.7739908	0.0931263	0.09312629	10.499259
5	1.19766E-06	10.4992598	0.31778679	7.6201E-07	8.2394E-07	8.042E-09	7.5397E-07	4.3565E-07	0.00000	0	0	0	0.000	4.3521E-07	10.499259	2.51204153	477.28789	39.7739909	0.0931263	0.09312629	10.499259
6	1.18918E-06	10.4992598	0.31754058	7.5683E-07	8.1834E-07	7.9873E-09	7.4884E-07	4.3235E-07	0.00000	0	0	0	0.000	4.3191E-07	10.499259	2.51204153	477.287891	39.7739909	0.0931263	0.09312629	10.499259
7	1.18075E-06	10.4992598	0.31729451	7.5167E-07	8.1277E-07	7.9329E-09	7.4374E-07	4.2908E-07	0.00000	0	0	0	0.000	4.2864E-07	10.499259	2.51204153	477.287891	39.7739909	0.0931263	0.09312629	10.499259
8	1.17238E-06	10.4992598	0.31704856	7.4656E-07	8.0723E-07	7.8789E-09	7.3868E-07	4.2582E-07	0.00000	0	0	0	0.000	4.2539E-07	10.499259	2.51204153	477.287892	39.773991	0.0931263	0.09312629	10.499259
9	1.16407E-06	10.4992598	0.31680275	7.4147E-07	8.0174E-07	7.8253E-09	7.3365E-07	4.226E-07	0.00000	0	0	0	0.000	4.2216E-07	10.499259	2.51204154	477.287892	39.773991	0.0931263	0.09312629	10.499259
10	1.15581E-06	10.4992598	0.31655707	7.3642E-07	7.9627E-07	7.7719E-09	7.2865E-07	4.1939E-07	0.00000	0	0	0	0.000	4.1896E-07	10.4992591	2.51204154	477.287892	39.773991	0.0931263	0.09312629	10.4992591
11	1.14761E-06	10.4992598	0.31631152	7.314E-07	7.9085E-07	7.719E-09	7.2368E-07	4.1621E-07	0.00000	0	0	0	0.000	4.1579E-07	10.4992591	2.51204154	477.287893	39.7739911	0.0931263	0.09312629	10.4992591
12	1.13947E-06	10.4992598	0.31606611	7.2642E-07	7.8546E-07	7.6664E-09	7.1875E-07	4.1305E-07	0.00000	0	0	0	0.000	4.1263E-07	10.4992591	2.51204154	477.287893	39.7739911	0.0931263	0.09312629	10.4992591
13	1.13138E-06	10.4992598	0.31582082	7.2146E-07	7.801E-07	7.6141E-09	7.1385E-07	4.0992E-07	0.00000	0	0	0	0.000	4.095E-07	10.4992591	2.51204154	477.287893	39.7739911	0.0931263	0.09312629	10.4992591
14	1.12335E-06	10.4992598	0.31557566	7.1654E-07	7.748E-07	7.5622E-09	7.0898E-07	4.0681E-07	0.00000	0	0	0	0.000	4.0631E-07	10.4992591	2.51204154	477.287894	39.7739912	0.0931263	0.09312629	10.4992591
15	1.11537E-06	10.4992598	0.31533064	7.1166E-07	7.6955E-07	7.5106E-09	7.0415E-07	4.0372E-07	0.00000	0	0	0	0.000	4.0331E-07	10.4992591	2.51204155	477.287894	39.7739912	0.0931263	0.09312629	10.4992591
16	1.10745E-06	10.4992598	0.31508574	7.068E-07	7.6425E-07	7.4593E-09	6.9934E-07	4.0065E-07	0.00000	0	0	0	0.000	4.0024E-07	10.4992591	2.51204155	477.287894	39.7739912	0.0931263	0.09312629	10.4992591
17	1.09958E-06	10.4992598	0.31484098	7.0198E-07	7.5903E-07	7.4084E-09	6.9457E-07	3.9761E-07	0.00000	0	0	0	0.000	3.972E-07	10.4992591	2.51204155	477.287895	39.7739912	0.0931263	0.09312629	10.4992591
18	1.09177E-06	10.4992598	0.31459635	6.9718E-07	7.5385E-07	7.3579E-09	6.8983E-07	3.9459E-07	0.00000	0	0	0	0.000	3.9418E-07	10.4992591	2.51204155	477.287895	39.7739913	0.0931263	0.09312629	10.4992591
19	1.08401E-06	10.4992598	0.31435185	6.9242E-07	7.487E-07	7.3076E-09	6.8512E-07	3.9159E-07	0.00000	0	0	0	0.000	3.9119E-07	10.4992591	2.51204155	477.287895	39.7739913	0.0931263	0.09312629	10.4992591
20	1.0763E-06	10.4992598	0.31410748	6.8769E-07	7.4359E-07	7.2577E-09	6.8044E-07	3.8861E-07	0.00000	0	0	0	0.000	3.8821E-07	10.4992591	2.51204156	477.287896	39.7739913	0.0931263	0.09312629	10.4992591
21	1.06865E-06	10.4992598	0.31386234	6.83E-07	7.3851E-07	7.2081E-09	6.7579E-07	3.8566E-07	0.00000	0	0	0	0.000	3.8526E-07	10.4992591	2.51204156	477.287896	39.7739913	0.0931263	0.09312629	10.4992591
22	1.06105E-06	10.4992598	0.31361913	6.7833E-07	7.3346E-07	7.1589E-09	6.7117E-07	3.8272E-07	0.00000	0	0	0	0.000	3.8233E-07	10.4992591	2.51204156	477.287896	39.7739914	0.0931263	0.09312629	10.4992592
23	1.0535E-06	10.4992598	0.31337516	6.7369E-07	7.2845E-07	7.1099E-09	6.6658E-07	3.7981E-07	0.00000	0	0	0	0.000	3.7942E-07	10.4992592	2.51204156	477.287897	39.7739914	0.0931263	0.09312629	10.4992592
24	1.046E-06	10.4992598	0.31313131	6.6908E-07	7.2346E-07	7.0613E-09	6.6202E-07	3.7692E-07	0.00000	0	0	0	0.000	3.7654E-07	10.4992592	2.51204156	477.287897	39.7739914	0.0931263	0.09312629	10.4992592
1	1.03856E-06	10.4992598	0.3128876	6.6451E-07	7.1843E-07	7.013E-09	6.5787E-07	3.7403E-07	0.00000	0	0	0	0.000	3.7367E-07	10.4992592	2.51204157	477.287897	39.7739915	0.0931263	0.09312629	10.4992592
2	1.03117E-06	10.4992598	0.31264401	6.5996E-07	7.136E-07	6.965E-09	6.53E-07	3.712E-07	0.00000	0	0	0	0.000	3.7082E-07	10.4992592	2.51204157	477.287898	39.7739915	0.0931263	0.09312629	10.4992592
3	1.02382E-06	10.4992598	0.31240056	6.5545E-07	7.0872E-07	6.9174E-09	6.4853E-07	3.6838E-07	0.00000	0	0	0	0.000	3.68E-07	10.4992592	2.51204157	477.287898	39.7739915	0.0931263	0.09312629	10.4992592
4	1.01653E-06	10.4992598	0.31215724	6.5096E-07	7.0387E-07	6.87E-09	6.4409E-07	3.6557E-07	0.00000	0	0	0	0.000	3.652E-07	10.4992592	2.51204157	477.287898	39.7739915	0.0931263	0.09312629	10.4992592
5	1.00929E-06	10.4992598	0.31191405	6.465E-07	6.9905E-07	6.823E-09	6.3968E-07	3.6278E-07	0.00000	0	0	0	0.000	3.6241E-07	10.4992592	2.51204157	477.287899	39.7739916	0.0931263	0.09312629	10.4992592
6	1.00209E-06	10.4992598	0.31167099	6.4208E-07	6.9426E-07	6.7763E-09	6.353E-07	3.6002E-07	0.00000	0	0										

