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EARNINGS MANAGEMENT: REAL ACTIVITY MANIPULATIONS THAT AFFECT CASH FLOW FROM OPERATIONS (The Case of Companies Listed in Jakarta Stock Exchange)

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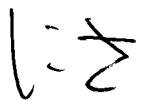
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Yogyakarta,



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THIS THESIS IS DEDICATED TO:

MY DAD - SENTOT SUGIANTO

MY MOM - SRI EDININGSIH

MY SISTER AND BROTHER - BUNGA BHUMINDRA AND CANDRA CANDRIAN

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ABSTRACT

Adriana, Anissa [2006]. Earnings Management: Real Activity Manipulation that Affect Cash Flow from Operation (The Case of Companies Listed in Jakarta Stock Exchange). Accounting Department. International Program. Faculty of Economics. Universitas Islam Indonesia

This research basically is talking and discuss about earnings management in specific things in which in the process of doing earnings management by real activity manipulation. Real activities manipulation is characterized by two features that are departures from normal operational practices in which these departures are by potentially detrimental to firm value and a desire to mislead at least some stakeholders to believe certain financial reporting goals have been met in the normal course of operation. Real activity manipulation can be done by three things that are sales manipulation – offering price discount, overproduction, and reducing of discretionary expenses.

The basic objectives of this research is examine Indonesian companies that engage in real activity manipulation that affected directly to the cash flow from operations and examine to what real activity manipulation might done according to the characteristic of the firm. However, the result of this research is that suspect companies in this research do not have any significant prove of engage in real activity manipulation that affected directly to the cash flow from operations.

Key Words; Earnings Management, Real activity manipulation, cash flow from operation, sales manipulation, overproduction, and discretionary expenses

ABSTRAKSI

Adriana, Anissa [2006]. Earnings Management: Real Activity Manipulation that Affect Cash Flow from Operation (The Case of Companies Listed in Jakarta Stock Exchange). Accounting Department. International Program. Faculty of Economics. Universitas Islam Indonesia

Dasar dari penelitian ini sebenarnya adalah membicarakan dan mendiskusikan hal pengaturan laba dimana pengaturan laba itu sendiri dibahas lebih spesifik dengen melalui cara manipulasi dalam aktivitas normal. Manipulasi dalam aktivitas normal dapat dikategorikan melalui dua hal dari praktik operasional normal yang mana dapat mengakibatkan pengaruh terhadap nilai suatu perusahaan dan membuat stakeholders' mempercayai laporan keuangan yang telah memenuhi target dalam aktivitas operasional yang normal. Manipulasi aktivitas normal dapat dilakukan melaui tiga cara dimana cara pertama adalah dengan melakukan manipulasi penjualan – menawarkan diskon, overproduction, dan mengurangi discretionary expenses.

Tujuan dasar dari penelitian ini adalah untuk mempelajari peusahaan – perusahaan di Indonesia dalam melaksanakan manipulasi aktivitas normal yang dapat berpengaruh terhadap arus kas dari aktivitas operasional dan mempelajari tentang manipulasi aktivitas normal apa yang akan dipilih oleh perusahaan – perusahaan di Indonesia sesuai dengan karakteristik dari perusahaan tersebut. Bagaimanapun juga, hasil dari penelitian ini adalah secara general, perusahaan – perusahaan suspect tidak mempunyai bukti yang signifikan bahwa mereka melaksanakan manipulasi aktivitas normal yang dapat berpengaruh kepada arus kas dari aktivitas operasional.

Kata Kunci; Pengaturan Laba, Manipulasi Aktivitas Normal, Arus Kas dari aktivitas operasional, Manipulasi penjualan, overproduction, dan discretionary expenses.

CHAPTER I

Introduction

1.1 Background

The nature of the company is basically looking for something good financially or none financially that can be useful for internal board of manager or for external parties. In this research, financially refers to the ability of a company to achieve qualified financial information, while non financial refers to the ability of a company to achieve the better and qualified working environment. This paper is focusing on the performance of the company financially which refers to the performance of the financial report. The objective of the company financially is to achieve high earning in order to support that company to run its business well and in order to achieve or to keep the reward from external parties. Earning can be defined as a benefit gained from the working activity or services or the reward that is used to differentiate price because of the private report from an investment.

In order to get the best performance of the company in earning context for external parties, there is a way to manage that is called as an earning management. Earning management can be defined as a process of taking deliberate steps within the constraints of generally accepted accounting principles to bring about a desired level of reported earnings (Davidson, Stickney and Well, 1987, cited in Beneish (2001:.2). The concept of earning management actually refers to how to decide something good and useful for company based on accounting choice. The management of earning can

be done in order to increase the earning management or to decrease earning that will bring the benefit to the company. Increasing the earning management can bring the benefit to company since it can bring added value if the investor or external parties see the performance of the company from earning level point of view. On the other hand, earning management also can be done in order to decrease the level of earning since decreasing the level of earning means the decreasing the income tax that the company should pay. The process of earning management can be done based on the need of company whether it will be increase of earning or decrease of earning.

Earning management can be done by accrual manipulation and real activity manipulation. Accrual manipulation can be conducted by giving provision to the bad debt expenses and delaying the assets write offs while real activity manipulation can be done by increasing the sales discount, decreasing the discretionary expenses, and overproduction. From both ways of doing earning management, the real activity manipulation is the way of doing earning management that directly affects the cash flow from operation that company has while accrual manipulation is not affecting the cash flow from operation. This paper will be focusing on the real activity manipulation in which Graham, Harvey, and Rajgopal's (2004) quoted in Rouchowdhury (2004) state that survey of financial executives indicates a higher willingness to manipulate earning through the real activities than accrual.

Earning management is chosen by the company because of several motivations. The first motivation that becomes an importance reason why the

company does the earning management is to get the higher compensation for the firm especially if the compensation is earning based compensation. The other importance of this earning management is that it can be used for the company to attract investor or in general is stakeholders since stakeholders usually see and evaluate the performance of the firm by considering the reported earning. It shows that managing earning is very important whether it uses a real activity manipulation or accrual since earning is crucial part of the company. The detail explanation about the motivations why the company does the earning management will be explained in the next chapter of this paper.

Many researchers do the research about earning management; one of the researchers that do the research about earning management is Roychowdhury in 2004. He has done a research about real activity manipulation that affects the cash flow from operation. The result of this research is basically the entire hypothesis dealing with real activity manipulation that affects the cash flow from operation. He also does the cross sectional variation that compares firms that have characteristic to the rest of the sample and it can be proven. Nevertheless, there are also several hypotheses that can not be proven by Roychowdhury. The other research that has been done by the researcher is usually about doing the earning by reducing the discretionary expense and development expense. For example is Dechow and Sloan (1991) quoted in Roychowdhury (2004) find CEOs in their final years reduce spending on research and development to increase short term earnings. The paper and

research done other than the reducing of discretionary expense is basically very limited. Thomas and Zang (2002) quoted in Roychowdhury (2004) report evidence that is consistent with overproduction, but are unable to rule out adverse economic conditions as alternative explanations for their results. This paper is basically talking about the effect of the real activity manipulation to the cash flow from operation in three ways – sales manipulation, overproduction, and reducing of discretionary expense. This paper basically also provides the cross sectional variation hypothesis that compare the suspect firm years that have special characteristic regarding to the real activity manipulation.

1.2 Problem Formulation

This research intends to examine Indonesian companies that are engage in real activity manipulation that affected directly to the cash flow from operations and how the firm engages in a real activity manipulation by considering the characteristic of each firm point of view.

1.3 Purpose of the study

This research has a purpose to prove the activity in a real activity manipulation that consists of sales manipulation – price discount and lighten the credit term, overproduction, and reducing the discretionary expense. This research is trying to examine Indonesian companies that are engage in real activity manipulation

that affected directly to the cash flow from operations and whether the firm engages in a certain type of real activity manipulation that is related to the characteristic of suspect firms.

1.4 Contribution of the study

This paper actually has big contribution to the company since this paper is discussing the method of earning management with the real activity manipulation way. The company can use this paper to examine what type of real activity manipulation that can be chosen based on the characteristics of that company.

1.5 Systematical writing

As mentioned at the very beginning of this research, the first chapter of this paper is talking about the background of the study that tells about why people engage in earning management. The other part of chapter one contains the purpose of the study and the contributions of this study. The Following chapter, chapter two, will discuss the theories of financial report, theories of earning management, theories of real activity manipulation, and the hypothesis formulation. The third chapter will discuss about the research method that has been done in this research, the method consists of population and sample, variables, operational hypothesis, and statistical tools. The fourth chapter will talk about the analysis and the result of the data. Then, finally the fifth chapter is about the conclusion of this paper.

CHAPTER II

Related Theories

2.1 Financial Statement

2.1.1 Objectives of Financial Statement

Financial statement is actually a part of financial reporting, however, financial reporting is more complicated than financial statement. This research will focus more in the financial statement as a part of financial reporting, therefore; firstly, the objectives of financial statement is based on PSAK 2002. The objectives are to provide information about the financial position, performance and changes in financial position of an enterprise that is useful to a wide range of users in making economic decision. Financial statements also show the results of the stewardship of management, or the accountability of management for the resources to entrust to it. Those users who wish to assess the stewardship or accountability of management do so in order that they may make economic decisions; these decisions may include, for example, whether to hold or sell their investment in the enterprise or whether to reappoint or replace the management.

2.1.2 Types of Financial Statement

After the explanation about the objectives of financial statement, it goes to the type of financial statement. Financial statement is the principal means through which financial information is communicated to those outside an enterprise (Weygant,

Kieso, and Warfield, 2004). The additional type of financial statement is the additional notes and supplementary schedule (PSAK,p.6). First, the explanation of the basic type of financial statements consists of balance sheet, statement of income, statement of cash flow, and statement of changes in stockholders equity. Weygant, Kieso, and Warfield (2004) state that the balance sheet, sometimes is referred to as the statement of financial position, reports the assets, liabilities, and stockholders' equity of a business enterprise at the specific date. This kind of financial statement basically provides the information about the investment within the company whether it is about the nature of the investment or whether it is about the amount of that investment. Besides information of the investment, this kind of financial statement provides the obligations that the company has to the creditors and about the owners' equity in net resources. The basic use of the balance sheet is actually related to the future cash flow. The relationship is that the balance sheet can help the company to predict the future cash flow from the amount, timing, and the uncertainty of the future cash flow.

The other part of financial statement is the statement of cash flow, statement of cash flow is basically part of financial statement which contains all about the cash outflow and inflow and information about the use and the sources of the cash itself. This kind of financial statement is needed since basically there is no statement or financial information in the financial statement that is providing in detail about the cash itself. The information that is given by the cash flow about the detail information

about cash within a period can be categorized as a main purpose of the statement of cash flow.

The type of financial statement here is not only the balance sheet and the statement of cash flow, but actually the statement of income also can be categorized as a type of financial statements too. Weygant, Kieso, and Warfield (2004) state that the income statement that is often called the statement of income or statement of earnings is the report that measures the success of enterprise operations for a given period of the time. The relationship or the usefulness of this kind of statement to the cash flow is basically the same with the balance sheet itself, this kind of statement can be used to predict the future cash flow from the amount, timing or even the uncertainty. This kind of statement can be very useful for the business in which it can be used to predict the profitability of the company. Another party that can enjoy the usefulness of this type of financial statement is the investors because it can be used to predict the investment value.

The last type of financial statement is the statement of stockholders equity. Basically, the statement of stockholders equity is frequently presented in the format of; first, the balance at the beginning of the period, additions, deductions, and the balance at the end of the period (Weygant, Kieso, and Warfield, 2004). This kind of statement is completing the type or the information that is provided in the financial statements. However, there are many type of financial reporting beside the financial

statement itself. As stated previously they are additional notes, supplementary schedules, and other information.

Based on PSAK (2002:6), the additional type of financial statement is the additional notes and supplementary schedules and other information. For example, they may contain additional information that is relevant to the needs of users about the item in the balance sheet and income statement. They may include disclosures about the risk and uncertainty affecting the enterprises and any resources and obligations not recognized in the balance sheet. Information about the geographical and industry segments and the effect on the enterprise of changing price may also be provided on the form of supplementary information.

2.1.3 Qualitative Characteristic of Financial Statement

Based one PSAK, there are several qualitative characteristic of the financial statement. Basically, qualitative characteristics are the attributes that make the information provided in financial statements useful to users. The several qualitative characteristic of financial reporting; first is understandability, second is relevance, third is reliability, and the last is comparability.

Based on PSAK, understandability is an essential quality of the information provided in financial statements that is really understandable by users. For this purpose, users are assumed to have a reasonable knowledge of business and economic activities and accounting and a willingness to study the information with

reasonable diligence. However, information about complex matters that should be included in the financial statements, because of its relevance to the economic decision making needs of users, should not be excluded merely on the grounds that it may be too difficult for certain users to understand.

The next point is about relevance, based on PSAK, to be useful, information must be relevant to the decision making needs of users. Information has the quality of relevance when it influences the economic decisions of users by helping them evaluate past, present or future events or confirming, or correcting, their past evaluations. The next explanation is that the predictive and confirmatory roles of information are interrelated. For example, information about the current level and structure of asset holdings has value to users when they endeavor to predict the ability of the enterprise to take advantage of opportunities and its ability to react to adverse situations. The same information plays a confirmatory role in respect of past predictions about, for example, the way in which the enterprise would be structured or the outcome of planned operations. Still based on PSAK, information about financial position and the past performance is frequently used as the basis for predicting future financial position and performance and other matters in which users are directly interested, such as dividend and wage payments, security price movements and the ability of the enterprise to meet its commitments as they fall due. To have predictive value, information need not be in the form of an explicit forecast. The ability to make prediction from the financial statements are enhanced, however,

by the manner in which information or past transactions and events is displayed, for example, the predictive value of the income statements is enhanced if unusual, abnormal, and infrequent items of income or expense are separately disclosed.

Next point about the reliability, still based on PSAK, the explanation about reliability is that to be useful, information must also be reliable. Information has the quality of reliability when it is free from the material error and bias and can be depended upon by users to represent faithfully that which it either purports to represent or could reasonably be expected to represent. Information may be relevant but also unreliable in the nature or representation that its recognition may be potentially misleading. For example, if the validity and amount of a claim for damages under a legal action are disputed, it may be inappropriate for the enterprise to recognize the full amount of the claim in the balance sheet, although it may be appropriate to disclose the amount and circumstances of the claim.

The last point that is about the comparability, still abased on PSAK, the explanation are first, users must be able to compare the financial statements of an enterprise to time in order to identify trends in its financial position and performance. Users must also be able to compare the financial statements of different enterprises in order to evaluate their relative financial position, performance and changes in financial position. Hence, the measurement and display of the financial effect of like transactions and other events must be carried out in a consistent way throughout an enterprise and over time for that enterprise and in consistent way for different

enterprises. An important implication of the qualitative characteristic of comparability is that users be informed of the accounting policies employed in the preparation of the financial statements, any change in those policies employed in the effects of such changes. Users need to be able to identify differences between the accounting policies for like transaction and other events used by the same enterprise from period to period and by different enterprises. Compliance with International Accounting Standards, including the disclosure of the accounting policies used by the enterprise, helps to achieve comparability.

2.2 Earning Management

2.2.1 Definition of Earning Management

The concept of earning management actually refers to the activity that the company has done in order to increase or decrease the earning with exploiting and choosing the accounting choices provided. A purposeful intervention in the external financial reporting process, with the intent of obtaining some private gain is one of the definitions of earning management that has been mentioned by Schipper (quoted in Beneish 2001). This definition reflects that earning management can be arisen by financing and investment timing decision. Financing decision means that earning management may be done by doing the timing management of discretionary expense. Timing management means of accelerating the discretionary expense for a certain period in a certain year. The issue of making the management of discretionary

expense very important in order to run the earning management well, because basically it can reflect the good earning that become the main goal why people or company apply the earning management. The definition from Schipper state above, actually discuss the adding point and specific point in the definition of earning management in the concept of investment and financing timing management. There are several definition of earning management and almost all of them talking about the accounting treatment that can be applied within the financial reporting.

The next definition of earning management is that management of earning occurs when managers use judgment in financial reporting and structuring transactions to alter financial reports to either mislead some stakeholders about the underlying economic performance of the company or to influence contractual outcomes that done on reported accounting numbers (Healy and wahlen 1999:p. 368 quoted in Beneish 2001). Under this definition, it can be seen that earning management is done to increase or to decrease the reported earning. This definition also brings the stakeholders as a party that see the reported earning and as party that becomes the judge whether the performance of the company is good or bad. However, based on this definition, the stakeholders can see the behavior of the company and they can also have the negotiation about the contract in order to protect themselves from loss and in order to protect the price. This can be the difference between the definitions to fraud since basically fraud is done in order to make the other party suffer for financial loss.

There is a simple definition about the earning management. Earning management is the process of taking deliberate steps within the constraints of generally accepted accounting principles to bring about the desired level of reported earning [Davidson, Stickney, and Well, cited in Schipper (1989)p.92] quoted in Beneish 2001. The last definition is basically about how to manage the accounting choices in order to get the earning that can become the gratifying earning for the company. Those three definitions reflect that earning management is done by maximizing the accounting choices in order to get the desired reported income by respecting the stakeholders needed. There are two perspective of earning management appear. The earning management can be seen in a perspective to have an opportunity to mislead the investor while the second perspective appear when the earning management is seen in the perspective of information in which company said about their expectation to the future cash flow of the firms. Basically, the motivation of company to do the earning management is to consider for the benefits that can be obtained by their company.

2.2.2 Motivation of Earning Management

The motivation to get the benefit for their company can be seen from several point of views. First motivation of doing earning management is for the compensation agreement. The company or manager used earning management to increase the reported earning in order to get the compensation higher than before.

Compensation here has a mean of the bonus that has a basic of earning. Guidri, Leone, and Rock [1998] quoted in Healy [1998] find that divisional managers for a large multinational firm are likely to defer income when the earnings target in their bonus plan will not be met, and when they are entitled to the maximum bonuses permitted under the plan. However, there are many studies that said that manager do the earning management to decrease the reported earning in order to get the compensation higher. The decreasing of earning management means that if the reported earning is lower, it can shown to increase the likelihood that utilities can obtain rate increases (Jarrel,1979) quoted in Beneish 2001, or the lower reported earning can be the way or probability to reducing the wealth transfer (Watts and Zimmerman, 1978) quoted in Beneish 2001. Both studies, whether to increase or to decrease the reported earning still have the same goal of getting the better future compensation. Therefore, this compensation agreement can be categorized as the motivation of the company or manager in doing the earning management.

The second motivation why manager do the earning management is that the increasing of reported earning is to reduce the restrictiveness of accounting based constraints in debt agreement or to avoid the cost of covenants violations (Beneish, 2001). However, besides two motivation stated above, there are several motivations that can be categorized and added to the motivations why a company or to be more specific is a manager does the earning management. The third motivation is that manager can increase the earning management in the context for the benefits of the

company. The higher reported earning can provide the market with the positive thing and positive prospect that the company has. If the company used the information of increasing earning management for the reason stated above, the company can have the strategy to attract the market about the future's prospect of the company based on the information obtained. The other possibility that can be included as a motivation of why a manager does the earning management is that the report of increasing earning can be used to hide the bad condition of the company performance. The bad condition of the company performance will affect directly to the perspective of the stakeholders since the number of earning in the financial report is reflect the performance of a company. By doing the earning management, the earning becomes the desired earning that the company wants. It can increase the level of earning and it can be the strategy for the company to interact with the other parties or to be involved in a firm or to buy the contingent wealth. Like Beneish (1999 quoted in Beneish 2001) argues that if managers overstate earnings to hide deteriorating firm performance, I expect them to sell their equity contingent wealth. Earning management can also be done in order to reduce the risk of investigation and intervention by anti trust regulators [Healy, 1998]. Watts and Zimmeron (quoted in Healy 1998) said that managers of firms vulnerable to an anti – trust investigation or other adverse political consequences have incentives to manage earning to appear less profitable. The motivation stated above is about the decreasing of earning is done by the manager or the company in order to look for the government subsidy or any protection since the

reported earning is smaller than before. The other motivation of decreasing the reported earning so that it can meet the desired earning is for the tax planning purposes.

2.2.3 Method of Earning Management

Method of doing the earning management basically can be seen from the real activity manipulation or the accrual manipulation that is done by the manager. The real activity manipulation, the main point of this research, basically uses an abnormal cash flow from operation to investigation. An abnormal cash flow from operation is basically the variation or movement from the normal cash flow from operation. Basically, the way of doing earning management in real activity manipulation can be done by using three ways of model; they are sales manipulation, overproduction, and reducing of discretionary expense. The detail explanation about those three ways actually will be explained more in the next section since this paper actually discusses those three ways and their effect to the cash flow from operation.

2.3 Real Activity manipulation

The concept of real activity manipulation is one of the methods of doing the earning management other than the accrual method. The difference between this method – real activity and the accrual is that, the real activity manipulation affects directly to cash flow from operation while the accrual method does not affect the cash

flow from operation directly. Roychowdhury (2004) defines that real activities manipulation are characterized by two features that are departure from normal operational practices – these departures are by themselves potentially detrimental to firm value and a desire to mislead at least some stakeholders into believing certain financial reporting goals have been met in the normal course of operation. Real activities manipulation is usually done by the manager of the firm by doing the management of the normal activities or the normal operational practices that can affect the changes in the reported earning and can affect too to the stakeholders who will learn the financial report of the firm. The management of normal operational practices is usually done by the manager by managing the sales manipulation, reducing discretionary expense, and by overproduction. The method that is being done on the real activities is different from the method that is done in an accrual manipulation. The method in the accrual manipulation is usually done by under-provisioning for bad debt expenses and delaying of asset write – offs (Roychowdhury, 2004).

Real activity manipulation is usually done by the manager to meet targeted earning that has been made by the company itself whether it will be done by sales manipulation, overproduction, or reducing of discretionary expense. Targeted earning play an important role in valuing the performance of the firm since this earning is used by the stakeholders in valuing the performance of the firm. The targeted earning can be from the earning gained in previous year or from the analyst forecast. Manager

uses this real activity manipulation since basically in order to meet the earning threshold, management of the cash flow component is very important and effecting mush to the earning itself. As stated earlier in the theory of earning management, earning management can be done in order to increase or decrease the earning. However, this real activities manipulation is one of the methods that managers do in order to increase the reported earning and avoid the reported low earning.

2.3.1 Sales Manipulation

The meaning of sales manipulation is that accelerating the timing of sales and/or generating additional unsustainable sales through increased price discount or more lenient credit term (Roychowdhury, 2004). It has been called as a manipulation since the manager of the company manages the product and the price of the product so it can meet the targeted number of sales or it can increase sales by offering a price discount or light of credit term. The offering of price discount is done by the manager not only in a special occasion but also done by the manager in the normal activities or normal operation of the company.

The parameter of this price discount is that it is offered by the company in limited time, so the customers of the firm can buy a lot of product in that discount period time. If many customers buy the product of the firm, it can have a direct effect to the number or the level of sales that the company has. Roychowdhury (2004) says that the increased sales volumes generated are likely to disappear when the firm re –

establishes the old prices. He also said that the cash inflow per sale net of discounts from these additional sales is now lower, though earnings in the current period increase as the sales are booked.

The other method that is done by the manager besides increasing the price discount that affects directly to the sales volume of the firm is lightening the credit term of the payable of the firm. Both – increasing price discount and lightening the credit term basically will be affected much to the number of sales volume of the firm. The number of the sales volume reported in the financial statement will influence the perspective of the stakeholders to the firm. Stakeholders will see that the performance of the firm has been good and has fulfilled the criteria of the firm that have a high quality if the sales volume reported in financial statement is high or many stakeholders use a zero earning target as a parameter.

Sales manipulation actually affects negatively to the cash flow from operation as an effect from price discount and the lightening the credit term. The cash gained for the company is actually lower since the product has been discounted even though the level of sales volume is increasing. Lightening the credit term basically can be done by reducing the interest rates that the company usually does.

In brief, it can be said that sales manipulation that becomes one of the way in doing real activity manipulation can be done in two ways that is by price discount or by lightening the credit term.

2.3.2 Overproduction

The overproduction basically can be defined as producing a lot of product which can be affected in the amount of fixed cost. It may have an impact to the amount of fixed cost since the fixed cost is divided by the amount that is produced. This kind of overproduction is done by the manufacturing company. Doing the overproduction actually can be very useful in order to report the better earning or operating margin and this overproduction also can cause a lower cost of good sold. Lower cost of good sold can increase the earning or the profit gained from selling the product to outside. That is a main reason why overproduction can cause a better reported earning. Manufacturing that is done by this type of a real activity manipulation actually will have a high production cost since they produce a lot of product.

Overproduction actually can cause a high level of inventory at the end of the year; the reason of this is basically the same with the previous overproduction done by the manufacturing company that is producing a lot of product. Roychowdhury (2004) stated that managers indulge in overproduction only if the reduction in reported product costs offset the inventory holding costs that the firm has to recognize in the current period. He also adds that the higher inventories at year – end imply that the partial effect of overproduction on accrual is positive. As an added point, this type of real activity manipulation actually has a negative effect to the abnormal cash flow from operation.

2.3.3 Reducing the Discretionary Expenses

Besides sales manipulation and overproduction, this kind of discretionary expense can be categorized too as one of the types in doing the real activity manipulation. In this case, reducing of discretionary expense is done by reducing expense that has no real result for the company. This kind of expenses actually can include the research and development expense that does not have many real things as a result. This expense is different from the production expense that has real things as a result.

Beside research and development expense, the expense that can be included in discretionary expense is advertising expense. Reducing of discretionary expense on the advertising expense here can be done by reducing the expense that company usually has either for advertising or for promoting the company or product.

Reducing of discretionary expense can have a positive effect to the cash flow from operation because this expense can be in the form of cash. Cash that can be saved by reducing the discretionary expense can increase the earning or the profit reported by the company and it can also increase the amount of cash in cash flow from operation.

2.4 Hypothesis Formulation

2.4.1 Main Hypothesis

It is not possible if the company or the manager does not only do one real activity manipulation but they can do the real activity manipulation in three ways, in which they can do it by the sales manipulation added by the overproduction and added by the reduction of discretionary expense. If the manager does all of those three real activity manipulations, it can affect directly the cash flow from operation that is reported by the company.

The basic relationship of doing the overproduction and increasing price discount is that with the overproduction, the company can manage the cost of good sold of the company. Basically by the overproduction, the reported cost of good sold is lower than before and it is because the fixed cost are spread out or divided into many products Naturally the reason why the company does the overproduction is to reduce the cost of good sold in order to report a better operating margin. Nevertheless, the firm incurs cost on the over produced items that are not recovered in the same period through sales (Roychowdhury, 2004). As an effect from that items that can not be improved through sales within the same period, cash flow from operation will be lower than the actual sales level. Therefore, it can be concluded that actually the relationship of overproduction and abnormal cash flow from operation is negative. Sales manipulation also have negative effect to the abnormal cash flow from operation since the reported cash inflow or cash resulted from the net sales is

actually lower as an effect form the discount given by the company. However, the reported earning will be increasing since the volume of sales increase.

On the other hand, the other real activity manipulation type that is reduction of discretionary expense has a positive effect to the abnormal cash flow from operation. This positive effect is caused by the reduction of discretionary expense that is usually in the form of cash. Therefore, the reduction of discretionary expense has positive effect to the abnormal cash flow from operation. The Cash flow from operation actually is not valid enough to become an indication whether the company engages with the three ways of real activity manipulation or not. Since reduction of discretionary expense is positively affect the abnormal cash flow from operation, the increasing of reduction discretionary expense will cause an increase too in the cash flow from operation while the activities in managing the sales has a negative effect to the abnormal cash flow from operation. If a manager does the three ways of real activity manipulation, it can affect the low cash flow from operation and low discretionary expense, therefore, the first hypothesis is;

> H1A: After controlling for sales level, suspect firm years exhibit either unusually low cash flow from operations or unusually low discretionary expenses or both.

However, there is other way to detect the price discount or overproduction or the activity related with the managing of sales. Basically it can be from the production cost whose volume of the production cost will be higher if the company

does the overproduction. This kind of increasing production cost happens within a period of sales and can be seen from the sales perspective. Roychowdhury (2004) states that the production cost as a sum of cost of good sold and change in the inventory within the period. Production cost that has increased is basically the effect of the overproduction that done by the manager of the firm. Therefore, the second hypothesis is;

H2A : Suspect firm years exhibit unusually high production costs, controlling for the level of sales.

2.4.2 Cross sectional Variation Hypothesis

Cross sectional variation basically compare the suspect firm years with another suspect firm years in which it will be categorized according to their characteristic. The first hypothesis explanation about this cross sectional hypothesis relates with firms accounting flexibility. Firstly, managers should decide about what type of earning management that they should choose according to the condition of the firms. Actually, two methods of doing earning management, that are real activity manipulation and accrual manipulation, can be implemented as a substitute or as a complement. However, there is a weakness in implementing the real activity manipulation in which it relates with the future period cash flow. For example, if the company does the real activity method by sales manipulation by giving the price discount in this year period, customer or people will prefer to wait until the discount

time for the next period. Roychowdhury (2004) states that another problem is uncertainty regarding the extent of manipulation required, as all real activities have to be undertaken prior to year end, before managers observe the shortfall between pre-managed earnings and the earning target.

If a company only does the accrual manipulation, it can entail the risk that the realized shortfall at year end exceeds the amount by which earnings can be managed upwards (Roychowdhury, 2004). As an effect of that, it is not impossible that the reported income will not reach the zero earnings target. The other weakness of this accrual manipulation is that auditor and regulator will have the examination and inspection about that accrual manipulation. Moreover, if the company has low accounting flexibility.

In doing real activity manipulation and accrual manipulation in complement or substitute, the company can do the better real activity manipulation and accrual manipulation as a complement if that company has a high stock of current asset. Burgstahler and Dichev[1997] (quoted in Roychowdhury 2004) argue that firms with a high stock of current asset are expected to have high capacity to overstate working capital accrual and hence posses higher accounting flexibility and at the same time, these firms also have higher flexibility to manage earning through real activities that affect working capital. Firm with a high accounting flexibility actually have more choices to choose the kind of earning management, in the other hand, firm that have a low stock of current asset will prefer to do the earning management by the real

activity manipulation since they can not use the accrual manipulation if they want to do the earning management.

Accrual manipulation that can be done by reducing the regulation about bad debt and real activity manipulation can be done by overproduction that will not work out in the firm that have low accounting flexibility or if the firm has low level of current asset. This is because they might have no account receivable at the year end, so that they can not do the accrual manipulation and that firm might also have the low level of inventory that affect the decision to do the real activity. That firm can not do the real activity manipulation since it will attract the auditor and investor to examine the firm, since basically they have low level of inventories but why they do the overproduction. As an effect, those firms also will report high abnormal cost of good sold since they can not do the overproduction and they also will report the low discretionary expenses since basically firms that have low accounting flexibility will prefer to do the earning management in the real activity manipulation by doing the price discount or by reducing the discretionary expense. The first cross sectional variation is;

H3A : Suspect firm years with a low level of current assets as a percentage of total assets, that is low accounting flexibility, have abnormally high cost of good sold and abnormally low discretionary expenses, when compared to other suspect firm years.

The next point in the cross sectional variation hypothesis is about the production that has been discussed earlier, however, now the increasing of production cost will be seen from two points of view, they are from manufacturing firm and non manufacturing firms. The production cost will be higher if the company does the overproduction and price discount. Hence, increasing of the production cost will be felt by manufacturing firm. On the other hand, non manufacturing firm will report a high production cost resulted from the price discount that the company has done. Like stated earlier that overproduction and price discount will affect the cash flow from operation negatively, therefore, in manufacturing firm with the overproduction, there will be higher production cost and lower abnormal cash flow from operation. Second cross sectional variation hypothesis is;

H4A : Suspect firm years in manufacturing industries will exhibit higher abnormal production costs and lower cash flow from operation than suspect firm years in non manufacturing industries.

Comparing the firms that have an outstanding debt with firms that have no outstanding debt is the next hypothesis in this cross sectional variation. Basically firm that has an outstanding debt will prefer to do the real activity manipulation than the firms that have no outstanding debt since the existence of debt is a proxy for the presence of debt covenants that make zero earning an important threshold (Roychowdhury, 2004). The third cross sectional variation hypothesis is;

H5A : Suspect firm years with debt outstanding have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

There is another reason why zero earning becomes an important threshold, this is because some of the stakeholders use the parameter of earning at zero if they want to see the performance of the firm which actually has been discussed by Graham, Harvey, and Rajgopal (2004) quoted in Roychowdhury (2004). Because of that reason, company will do the real activity manipulation to ensure the supplier as one of the stakeholder that company can pay to the supplier in time. If the reported earning fails, it is possible that supplier will doubt the company and will tighten the credit term. So, it can be concluded that there is a positive relationship between real activity manipulations with current liability at the beginning of the year. The last cross sectional hypothesis is;

H6A : Suspect firm years with high current liabilities as a percentage of total assets have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

Basically, in the previous study conducted by Rouchowdhury (2004) it has been shown the results of the hypotheses stated above from the first that is talking about abnormal cash flow from operation until the last in cross sectional variation that is talking about positive relationship between current liabilities and real activity

manipulation. The first hypothesis shows that the result of the suspect firm years have an abnormal cash flow from operation that is 1.44% lower compared to the firm that is not included as the suspect firm years. That result reflects that the firm does the activity that makes the cash flow from operation lower in order to reach the targeted earning. The second hypothesis that is about the high production cost, the coefficient is positive on 0.0493 which reflects evidence that the production cost is higher when the firm does the overproduction or price discount. The result in the cross sectional variation starts when Roychowdhury examines the accounting flexibility of the firm that has low accounting flexibility willing to do the earning management from price discount and reducing of discretionary expenses. The result of that is positive 0.0736 when the dependent variable is abnormal cost of good sold and negative for -0.0713 when the dependent variable is abnormal discretionary expense. This result proves the first cross sectional variation of the company that have low accounting flexibility prefers to engage with price discount and reducing of discretionary expense.

The second cross sectional variation that Roychowdhury does is about the production cost in manufacturing company that is higher than non manufacturing company and have a result of 0.0257 positive when the dependent variable is abnormal production cost. He also proves that the result is -0.0158 negative when the dependent variable is abnormal cash flow from operation. That result has proven that those manufacturing firms have engaged in overproduction and it causes the increasing of the production cost rather than non manufacturing firm.

The result of the current liabilities that has a relationship with real activity manipulation is negative for -0.2225 when the dependent variable is abnormal cash flow from operation, positive for 0.4564 when the dependent variable is abnormal production costs, and negative for -0.2581 when the dependent variable is abnormal discretionary expenses. That result states that the hypothesis of the current liabilities and earning management are real activity manipulations in order to report losses. However, the test about outstanding debt is negative for -0.0680 when the dependent variable is abnormal discretionary expenses. Roychowdhury can not find the evidence that proves the firm that has an outstanding debt for the real activity manipulation or abnormally high production cost. The hypothesis fails since the presence of debt is a weak proxy for the presence of a covenant that makes zero earning an important benchmark (Roychowdhury, 2004). The test indicates that the firm which has an outstanding debt uses the reducing of discretionary expense as a way of doing the earning management.

CHAPTER III

Research Method

3.1 Population and sample

The population of this research is basically companies listed in Jakarta Stock Exchange within the year of 2000 - 2003 excluding Bank and financial institution. This research uses a purposive sampling that means taking the sample that have already met the criteria of data for each hypothesis. This is because basically there is a characteristic for the sample used in hypothesis stated here. The companies that will be taken for samples should have the following data to test the variable; sales, cost of good sold, research and development expenses, advertising expenses or selling , general, and administrative expenses, cash flow from operations, net income, short term and long term debt, total assets, and market value of equity.

3.2 Selection of Suspect Firm Years

The "suspect firm years" that has been used in this paper can be defined as the firm that has reported small annual earning and small annual earning changes. The interval of earning here is in the width of -0.05 – 0.05, -0.075 – 0.075, -0.10 – 0.10, and -0.125 – 0.125 that can be calculated from net income scaled by total assets at the beginning of the year.

3.3 Definition and Measurement of Variables

Basically, the definition and measurement of each variable is for cash flow from operation or CFO that is a part of financial statement that contains the cash outflow and inflow and information about the use and the sources of the cash. Cash flow from operation can be measured from the model presented in Dechow, Kothari, and Watts (1998) quoted in Roychowdhury (2004) that

$$CFO_t / A_{t-1} = \alpha * (1/A_{t-1}) + \beta_1 * (S_t / A_{t-1}) + \beta_2 * (\Delta S_t / A_{t-1}) + \varepsilon_t \ldots\ldots\ldots (3.1)$$

In which A_{t-1} = total assets at the end of period t

S_t = sales during period t.

If the variable reveals the information of the abnormal cash flow from operation, it can be measured by the actual cash flow from operation minus the normal cash flow from operations. The next variable of the discretionary expense basically can be formulated using the similar formulation stated in cash flow from operation, the regression formula is:

$$dis\exp_t / A_{t-1} = \alpha * (1/A_{t-1}) + \beta * (S_t / A_{t-1}) + \varepsilon_t \ldots\ldots\ldots\ldots\ldots\ldots\ldots (3.2)$$

Discretionary expense from the regression above is actually the sum of the research and development expense, advertising expense, and selling, general, and administrative expenses (Roychowdhury, 2004). The abnormal discretionary expense can be measured from the deviation of the above regression.

Production cost will be the next variable regarding an indicator of doing the overproduction and the price discount that have an effect to the cash flow from

operation. The production cost is basically the sum of cost of good sold and the change in inventory

$$PROD_t = COGS_t + \Delta INV_t \quad \text{..... (3.3)}$$

In which the Formulation or measurement has been stated by Dechow, Kothari, and Watts [1998] quoted in Roychowdhury [2004] that the change of inventory has this following regression:

$$\Delta INV_t / A_{t-1} = \alpha * (1/A_{t-1}) + \beta * (\Delta S_t / A_{t-1}) + \beta_2 * (\Delta S_{t-1} / A_{t-1}) + \varepsilon_t \text{ .... (3.4)}$$

Where the actual inventory at the end of t period can be formulated as:

$$INV_t = \gamma_1(1-\pi)S_t - \gamma_2\gamma_1 * (1-\pi)(S_t - S_{t-1}) \text{ ..... (3.5)}$$

And the formulation of cost of good sold is:

$$COGS_t / A_{t-1} = \alpha * (1/A_{t-1}) + \beta * (S_t / A_{t-1}) + \varepsilon_t \text{ ..... (3.6)}$$

Therefore, the regression regarding to the production cost is:

$$PROD_t / A_{t-1} = \alpha * (1/A_{t-1}) + \beta_1 * (S_t / A_{t-1}) + \beta_2 * (\Delta S_t / A_{t-1}) + \text{ ..... (3.7)}$$
$$\text{.....} \beta_3 * (\Delta S_{t-1} / A_{t-1}) + \varepsilon_t$$

While, the abnormal production cost can be obtained from the deviation of the above regression.

In order to calculate the abnormal accrual, DeFond and Jiambalvo (1994) quoted in Roychowdhury (2004) states:

$$Accrual_t / A_{t-1} = \alpha * (1/A_{t-1} + \beta_1 * (\Delta S_t / A_{t-1}) + \beta_2 * (PPE_t / A_{t-1}) + \varepsilon_t \text{ .. (3.8)}$$

Where ΔS_t can be defined as the change in sales over last period's sales, while PPE can be defined as property, plant, and equipment.

Relating to the accrual, the high changes in net receivable can be reflected in the earnings management that is done by accrual manipulation. In order to focus on the effect of earnings management done by real activity manipulation, the regression have been formulated to estimate normal changes in gross receivable. The regression to test the abnormal growth in net receivable and gross receivable, Dechow, Kothari, and Watts (1998) is:

$$\Delta AR_t / A_{t-1} = \alpha * (1 / A_{t-1}) + \beta * (\Delta S_t / A_{t-1}) + \varepsilon_t \quad \text{..... (3.9)}$$

However, examine accrual manipulation is not the main focus of this research.

The control variables from this research are; market to book ratio that can be defined as the ratio of market value of equity to book value of equity, size in which can be defined as logarithm of market value of equity, and net income.

The indicator variables from this research are; MFG that can be defined as firms that belong to the manufacturing industry, LoCA that can be defined as current assets as a percentage of total assets, DEBT that is an indicator variable that indicates the firm that has outstanding long term or short term debt at the beginning of the year and at the end of the year. The last is CL that indicates the current liabilities scaled by total assets.

3.4 Operational Hypothesis

Based on the hypothesis formulation stated in chapter two, it can be concluded that there are two hypotheses regarding to the main hypothesis and four

hypotheses regarding with the cross sectional variation hypothesis. The first hypothesis is related with the low abnormal cash flow from operation as an effect to the activity done in overproduction and sales manipulation and the low abnormal discretionary expense that will have a Ho for;

Ho : After controlling for sales level, suspect firm years do not exhibit either unusually low cash flow from operations or unusually low discretionary expenses or both.

H1A: After controlling for sales level, suspect firm years exhibit either unusually low cash flow from operations or unusually low discretionary expenses or both.

Second hypothesis that has been formulated in the previous chapter is regarding to the production cost that will be higher if the company does the activity related with sales volume of the overproduction and price discount. The second hypothesis will have a Ho and followed by Ha for;

Ho : Suspect firm years do not exhibit unusually high production costs, controlling for the level of sales.

While the Ha is;

H2A : Suspect firm years exhibit unusually high production costs, controlling for the level of sales.

The first cross sectional hypothesis is related with the comparison between firm that have low accounting flexibility and the firm that have high accounting

flexibility. Firm that has low accounting flexibility will prefer to do the earning management in price discount and reducing discretionary expense in which the Ho that will be formulated as a reverse of the hypothesis that the Ho is;

Ho : Suspect firm years with a low level of current assets as a percentage of total assets, that is low accounting flexibility, do not have abnormally high cost of good sold and abnormally low discretionary expenses, when compared to other suspect firm years.

While the Ha is;

H3A : Suspect firm years with a low level of current assets as a percentage of total assets, that is low accounting flexibility, have abnormally high cost of good sold and abnormally low discretionary expenses, when compared to other suspect firm years.

Second hypothesis in this cross sectional variation is basically about comparing the manufacturing company that does the earning management by overproduction with the non manufacturing company that prefer to do earning management in price discount way. The Ho will be formulated as the manufacturing company will not have the higher overproduction rather than the no manufacturing company, therefore, the Ho is;

Ho : Suspect firm years in manufacturing industries do not exhibit higher abnormal production costs and lower cash flow from operation than suspect firm years in non manufacturing industries.

While, the Ha is;

H4A : Suspect firm years in manufacturing industries will exhibit higher abnormal production costs and lower cash flow from operation than suspect firm years in non manufacturing industries.

The third hypothesis is regarding to the presence of debt of which suspect firm that has an outstanding debt have a higher possibility to do the real activity manipulation, as a reverse in formulating the Ho. The firm that has an outstanding debt will not have a higher chance regarding to the do the real activity manipulation, therefore, the Ho can be formulated in;

Ho : Suspect firm years with debt outstanding do not have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

While, the Ha is;

H5A : Suspect firm years with debt outstanding have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

The last cross sectional variation hypothesis is related with the activity of the earning management in order to ensure the stakeholders especially a supplier. In order to formulate the Ho, the real activity manipulation will not be done by the company to ensure the stakeholder about the condition of the company, therefore, it can be formulated that the Ho is;

Ho : Suspect firm years with high current liabilities as a percentage of total assets do not have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

While, the Ha is;

H6A : Suspect firm years with high current liabilities as a percentage of total assets have abnormally low cash flow from operation, abnormally high production costs and abnormally low discretionary expenses compared to other suspect firm years.

3.5 Statistical Tools

3.5.1 Equation

The regression equation that has been used in order to test the hypothesis of the comparison of suspect firm years with the rest of the sample actually has been estimated by Roychowdhury (2004) in which have this following equation:

$$Y_t = \alpha + \beta_1 * (Size)_{t-1} + \beta_2 * (MTB)_{t-1} + \beta_3 * (NI)_t + \beta_4 * (Suspect_NI)_t + \varepsilon_t \ldots. \quad (3.10)$$

Where;

MTB : market to book ratio – the ratio of market value of equity to the book value of equity.

NI : net income divided by year end total assets

Suspect_ni : net income is divided by beginning total assets

While the equation that is done or formulated in order to test the cross sectional variation hypothesis is basically the formulation or regression of Fama-macbeth procedure quoted in Rouchowdhury [2004]. The equation is:

$$\begin{aligned} Y_t = \alpha + \beta_1 * (Size)_{t-1} + \beta_2 * (MTB)_{t-1} + \beta_3 * (NI)_t + \beta_4 * (Suspect_NI)_t + \\ .....\beta_5 * (LoCA)_t + \beta_6 * (MFT)_t + \beta_7 * (DEBT)_t + \beta_8 * (CL)_t + \\ .....\beta_9 (LoCA * Suspect_NI)_t + \beta_{10} (MFT * Suspect_NI)_t + \\ .....\beta_{11} (DEBT * Suspect_NI)_t + \beta_{12} (CL * Suspect_NI)_t + \varepsilon_t \end{aligned} \quad (3.11)$$

Where;

Y_t	: abnormal CFO, Abnormal production cost, abnormal COGS, and abnormal discretionary expense in t period
Size	: Logarithm of the market value of equity
MTB	: Market to book ratio
Suspect_NI	: net income divided by total assets at the beginning of the year
LoCA	: current assets divided by beginning total assets
MFG	: manufacturing divided by beginning total assets
DEBT	: total liabilities divided by beginning total assets
CL	: current liabilities scaled by the beginning total assets

3.5.2 How Ho will be rejected

Basically, in order to reject the Ho stated in this research, t-test will be used at a level significance of 0.05. Therefore, the rejection of **First Ho** uses the 3.10 regression when the dependent variable is abnormal cash flow from operation, the β_4 must show a negative sign and significance at 5% level. When the dependent variable is the abnormal discretionary expenses, β_4 must show the negative sign and the

significance is at 5% level. Therefore, Ho can be rejected and the hypothesis can be proven by suspect firm that engages in the real activity manipulation that will have lower abnormal cash flow from operation and lower abnormal discretionary expenses if compared with the rest of the sample.

Second Ho; use the 3.10 regression, when the dependent variable is abnormal production cost, β_4 must show the positive sign and significance at 5% level in order to reject Ho and prove the hypothesis by the suspect firm that will have a high abnormal production cost when those firms engage in sales manipulation and overproduction compared with the rest of the sample.

Third Ho; use the 3.11 regression, when the dependent variable is abnormal cost of good sold, β_9 must show the positive sign and significance at 5% level. When the dependent variable is an abnormal discretionary expense, β_9 must show the negative sign and significance at 5% level in order to reject Ho and prove the hypothesis of the suspect firm that have low accounting flexibility. It will prefer to engage earning management from offering price discount and reducing discretionary expenses.

Fourth Ho; use the 3.11 regression, when the dependent variable is an abnormal production cost, β_{10} must show the positive sign and significance at 5% level. When the dependent variable is an abnormal cash flow from operation, the β_{10} must show the negative sign and significant at 5% level in order to reject Ho. This proves the hypothesis that manufacturing firm is engaged with overproduction will

have higher production cost and lower cash flow from operation compared with non manufacturing firms.

Fifth Ho; use the 3.11 regression, when the dependent variable is abnormal discretionary expense, β_{11} must show negative sign and significant at 5% level, when the dependent variable is an abnormal cash flow from operation, β_{11} must show negative sign and significant at 5% level. When the dependent variable is abnormal production costs, β_{11} must show positive sign and significant at 5% level. In order to reject Ho and prove the hypothesis, the firm of which has outstanding debt will engage more in earning management than the rest of the sample.

Sixth Ho; use the 3.11 regression, when the dependent variable is abnormal cash flow from operation, β_{12} must show negative sign and significant at 5% level. When the dependent variable is abnormal production cost, β_{12} must show positive sign and significant at 5% level. When the dependent variable is an abnormal discretionary expense, β_{12} must show negative sign and significant at 5% level in order to reject Ho and prove the hypothesis, the firm with higher current liabilities will engage in earning management to avoid reporting losses in order to ensure the supplier.

CHAPTER IV

Research Analysis

4.1 Research Sample

In this research, the data that is used is the data stated in Jakarta Stock Exchange in the year of 2000 – 2003 of which numbers of company listed on Jakarta Stock are 252 companies [Appendix 5]. That number of companies basically all the companies excluding the Bank and financial institutions. Those 252 companies then sorted by using the purposive sampling methods that has a characteristic of excluding the firm years that have no complete data required. The final data or firm years after being sorted are 856 [Appendix 6] firm years.

As a requirement of suspect firm years, the data that is sorted again according to the interval of net income that is scaled by total assets at the beginning of the year. The interval used in this research are interval of -0.05 – 0.05, -0.075 – 0.075, -0.10 – 0.10, and -0.125 – 0.125. The suspect firm years on interval -0.05 – 0.05 are 329 suspect firm years, then the suspect firm years on the interval of -0.075 – 0.075 are 432 suspect firm years. The suspect firm years on the interval -0.10 – 0.10 are 512 suspect firm years, and suspect firm years on the interval of -0.125 – 0.125 are 575 suspect firm years.

4.2 Research Process

The research process regarding to this research is basically done by collecting all the variables needed from the companies listed in Jakarta Stock Exchange corner in Universitas Islam Indonesia that has for 252 companies within the year of 2000 – 2003 excluding the Bank and other financial institution. The firm years that have no complete data required is excluded then rested out for 857 suspect firm years that has been sorted again according to the interval. The software used for gathering, sorting, and calculating the descriptive statistic of the data is Microsoft Excel while the software used to analyze the data is SPSS version 11 and the final analyzing data uses the Eviews 3.0 software. The usage of SPSS version 11 in this research is to eliminate all the outlier that might appear in this research that can have an impact to the result of analysis. All the suspect firm years data on each interval in this research has been free from the outlier since it has already been eliminated using the Cook's distance in SPSS version 11 software.

4.3 Descriptive Statistic

The presented descriptive statistic as shown in appendix 1 basically is comparing the mean of the suspect firm years in each interval with the full sample. This descriptive statistic also shows the correlation of each variable shown in appendix 2. In the interval -0.075 – 0.075 the mean of cash flow from operation scaled by total assets at the beginning of the year (0.443431) is higher than full

sample mean of cash flow from operation scaled by total assets (0.291556). Then mean of discretionary expense scaled by total assets at the beginning of the year (0.635927) is also higher compared to the full sample mean of discretionary expense scaled by total assets at the beginning of the year (0.417303). It means that it is not consistent with the first hypothesis about the suspect firm years that will report lower cash flow from operation and report lower discretionary expenses compared with the rest of the sample. The mean of production cost that is scaled by the total assets at the beginning of the year (3.885759) is higher than the mean of the full sample of production cost scaled by total assets at the beginning of the year (2.857481). It is consistent with the second hypothesis about suspect firm years that will report higher production cost compared with the rest of the sample.

In the -0.10 – 0.10 interval, the mean of cash flow from operation scaled by total assets at the beginning of the year (0.388648) is higher than the full sample mean of cash flow from operation scaled by total assets (0.291556). Then mean of discretionary expense scaled by total assets at the beginning of the year (0.564009) is also higher compared with the full sample mean of discretionary expense scaled by total assets at the beginning of the year (0.417303). It means that it is not consistent with the first hypothesis of suspect firm years that will report the lower cash flow from operation and report lower discretionary expenses compared with the rest of the sample. The mean of production cost scaled by total assets at the beginning of the year (3.437101) is higher than the mean of the full sample of production cost scaled

by total assets at the beginning of the year (2.857481). It is consistent with the second hypothesis of the suspect firm years that will report the higher production cost compared with the rest of the sample.

In the interval -0.125 – 0.125 the mean of cash flow from operation is scaled by total assets at the beginning of the year (0.354960) is higher than the full sample mean of cash flow from operation scaled by total assets (0.291556). Then mean of discretionary expense scaled by total assets at the beginning of the year (0.527441) is also higher compared with the full sample mean of discretionary expense scaled by total assets at the beginning of the year (0.417303). It means that it is not consistent with the first hypothesis of the suspect firm years that will report lower cash flow from operation and report lower discretionary expenses compared with the rest of the sample. The mean of production cost scaled by total assets at the beginning of the year (3.208635) is higher than the mean of the full sample of production cost scaled by total assets at the beginning of the year (2.857481). It is consistent with the second hypothesis about the suspect firm years that will report the higher production cost compared with the rest of the sample.

The correlation between the abnormal and other variables is usually positive, however, the correlation between abnormal production cost and abnormal discretionary expense is highly negative (-70%). It can be interpreted that the firm engages in a real activity manipulation using the activities may lead to the abnormally high production cost and abnormally low discretionary expense at the same time.

4.4 Results and Implications

4.4.1 Main Hypothesis

The result analysis shown in appendix 3 has been interpreted based on each interval without the interval of -0.05 – 0.05 since it has been excluded. It is because on that interval, the classical assumption of multicolinearity happened. Therefore the data analysis interpret below is for the interval of -0.075 – 0.075, -0.10 – 0.10, and -0.125 – 0.125.

- Interval (-0.075 – 0.075)

The first regression done when the dependent variable is the abnormal discretionary expenses. The coefficient of the Suspect (β_4) is positive (0.4422) of which result can be seen that it is not consistent with the first main hypothesis. The suspect firm years engage in the real activity manipulation will report the lower discretionary expenses while when the dependent variable is an abnormal cash flow from operation, The coefficient of Suspect (β_4) is positive (0.3404) and can be interpreted too, It is not consistent with the first main hypothesis of the suspect firms that engage in the real activity manipulation that will report the lower cash flow from operation. Therefore, the researcher failed to reject Ho for the first main hypothesis or failed to prove the first main hypothesis for this interval.

The second regression done in order to examine the second main hypothesis is when the dependent variable is the abnormal production cost. The coefficient of suspect (β_4) is negative (0.3064). It is not consistent either with the second main

hypothesis of the suspect firm that will report higher production cost if they are engaged in the real activity manipulation. The researcher fails to prove the second main hypothesis for this interval.

- Interval (-0,010 – 0,010)

The regression is done when the dependent variable is an abnormal discretionary expense. The coefficient of the Suspect (β_4) is positive (0.3969) of which from that result it can be seen that it is not consistent with the first main hypothesis that the suspect firm years engage in the real activity manipulation will report the lower discretionary expenses. While the dependent variable is abnormal cash flow from operation, the coefficient of Suspect (β_4) is positive (0.3533) and can be interpreted too that it is not consistent with the first main hypothesis of the suspect firms that engage in the real activity manipulation that will report the lower cash flow from operation. Therefore, the researcher failed to reject Ho for the first main hypothesis or failed to prove the first main hypothesis for this interval.

The second regression done in order to examine the second main hypothesis is when the dependent variable is the abnormal production cost and the coefficient of suspect (β_4) is negative (0.4093). It is not consistent with the second main hypothesis of the suspect firm that will report higher production cost if they are engaged in the real activity manipulation. The researcher fails to prove the second main hypothesis for this interval.

- Interval (-0,125 – 0,125)

The regression is done when the dependent variable is the abnormal discretionary expenses, and the coefficient of the Suspect (β_4) is positive (0.9888). From the result it can be seen that it is not consistent with the first main hypothesis that the suspect firm years engage in the real activity manipulation will report the lower discretionary expenses. While the dependent variable is abnormal cash flow from operation, the coefficient of Suspect (β_4) is positive (0.3463). It can be interpreted too that it is not consistent with the first main hypothesis of the suspect firms that engage in the real activity manipulation that will report the lower cash flow from operation. Therefore, the researcher fails to reject Ho for the first main hypothesis or fails to prove the first main hypothesis for this interval.

The second regression done in order to examine the second main hypothesis is when the dependent variable is the abnormal production cost and the coefficient of suspect (β_4) is negative (0.4432). It is not consistent either with the second main hypothesis of the suspect firm will report higher production cost if they are engaged in the real activity manipulation. The researcher failed to prove the second main hypothesis for this interval.

4.4.2 Cross Sectional Variation Hypothesis

The result analysis as shown in appendix 4 also has been interpreted based on each interval without the interval of -0.05 – 0.05 and only the data analysis for the interval of -0.075 – 0.075, -0.10 – 0.10, and -0.125 – 0.125

- Interval (-0,075 – 0,075)

The result from the regression is when the dependent variable is the abnormal cost of good sold, the coefficient of *susloca* is negative (0.000). When the dependent variable is the abnormal discretionary expense, the coefficient of *susloca* is positive (0.9824). That is not consistent with the first cross sectional hypothesis. From that result it can interpreted that the researcher failed to prove the first cross sectional analysis related to the suspect firm years that have low current asset and will have abnormally higher cost of good sold and lower discretionary expenses if compared with the rest of the sample.

Regarding to the second cross sectional hypothesis, when the dependent variable is abnormal cash flow from operation, the coefficient of *susmft* is negative (0.0196). When the dependent variable is abnormal production cost, the coefficient of *susmft* is positive (0.9061). It is consistent with the second cross sectional hypothesis that manufacturing suspect firm years will report lower cash flow from operation and higher production cost compared with the rest of the sample. However, the reporting higher production cost can be called as not proving the hypothesis since the result is not significance at 5% and in general the second cross

sectional hypothesis also fails even though the manufacturing suspect firm years will report lower cash flow from operation can be proven.

The third cross sectional variation hypothesis can be investigated when the abnormal cash flow from operation the *susdebt* shows the negative sign (0.0001) and the significance is at 5% level. When the dependent variable is abnormal production cost *susdebt* shows the positive sign (0.0292) and significant at 5% level. The last is when the dependent variable is the abnormal discretionary expense, *susdebt* shows the positive sign (0.0000) which is not consistent with the third cross sectional hypothesis. From this regression it can be concluded that actually suspect firm years that have outstanding debt will report lower abnormal cash flow from operation and higher production cost. However, the hypothesis still can be categorized as failed hypothesis since suspect firm years that have outstanding debt will not report the lower discretionary expenses compared to the rest of the sample.

When the dependent variable abnormal cash flow from operation *suscl* shows positive sign (0.0007), it is not consistent with the fourth cross sectional hypothesis that mentioned the suspect firm years that have high current liabilities will report lower cash flow from operation. When the dependent variable is the abnormal production cost, *suscl* shows negative sign (0.1343). It shows that suspect firm that has the high current liabilities will not report the higher production cost. And the last when the dependent variable is abnormal discretionary expense, *suscl*

shows negative sign (0.0000) and the significance is at 5% level which is consistent with the fourth hypothesis that says the firm with high current liabilities will report lower discretionary expenses. From that result, it can be interpreted that those suspect firm years that have high current liabilities will not report lower cash flow from operation. It will not report the higher production cost and report lower discretionary expense. However, this hypothesis still fails since only when the dependent variable is abnormal discretionary expense, the hypothesis can be proven but from the rest of the two dependent variables, hypothesis can not be proven, therefore it is categorized as failed hypothesis.

- Interval (-0,010 – 0,010)

The result from the regression is when the dependent variable is the abnormal cost of good sold, the coefficient of *susloca* is negative (0.000) and while the dependent variable is abnormal discretionary expense, the coefficient of *susloca* is positive (0.8795). That is not consistent with the first cross sectional hypothesis. From that result it can be interpreted that the researcher fails to prove the first cross sectional analysis that is about the suspect firm years that have low current asset will have abnormally higher cost of good sold and lower discretionary expenses compared with the rest of sample.

Regarding to the second cross sectional hypothesis, when the dependent variable is the abnormal cash flow from operation, the coefficient of *susmft* is

negative (0.1191) and when the dependent variable is abnormal production cost, the coefficient of *susmft* is negative (0.800). It is not consistent with the second cross sectional hypothesis that manufacturing suspect firm years will report lower cash flow from operation and higher production cost compared with the rest of the sample. Even though the condition of reporting the lower cash flow from operation is right but it is not significant at 5% level, therefore the second cross sectional variation in this interval can not be proven.

The third cross sectional variation hypothesis can be investigated when the abnormal cash flow from operation the *susdebt* shows negative sign (0.0003) and significant at 5% level. When the dependent variable is the abnormal production cost *susdeb*t shows the positive sign (0.5777) and not significant at 5% level. The last when the dependent variable is the abnormal discretionary expense, *susdebt* shows the positive sign (0.0000) which is not consistent with the third cross sectional hypothesis. From this regression it can be seen that actually suspect firm years that have outstanding debt will report lower abnormal cash flow from operation and higher production cost even though the result is not significant at 5% level. However, the hypothesis still can be categorized as failed hypothesis since suspect firm years that have an outstanding debt will not report the lower discretionary expenses compare to the rest of the sample.

When the dependent variable of abnormal cash flow from operation *suscl* shows positive sign (0.0168) which is not consistent with the fourth cross sectional

hypothesis, the suspect firm years that have high current liabilities will report lower cash flow from operation. When the dependent variable is the abnormal production cost, *suscl* shows positive sign (0.9891) which shows that suspect firm that has high current liabilities will report higher production cost even though it is not significance at 5% level. And the last, when the dependent variable is the abnormal discretionary expense, *suscl* shows negative sign (0.0000) and significance at 5% level which is consistent with the fourth hypothesis that predicts the firm with high current liabilities will report lower discretionary expenses. From that result, it can be interpreted those suspect firm years that have high current liabilities will not report the lower cash flow from operation, report the higher production cost and report the lower discretionary expense. However, this hypothesis still fails since only when the dependent variable is abnormal discretionary expense, the hypothesis can be proven but from the rest two dependent variables the hypothesis can not be proven, therefore it is categorized as failed hypothesis.

- Interval (-0,125 – 0,125)

The result from the regression shows that when the dependent variable is the abnormal cost of good sold, the coefficient of *susloca* is negative (0.000) and while the dependent variable is abnormal discretionary expense, the coefficient of *susloca* is negative (0.0007). That is only when the dependent variable is abnormal discretionary expense the hypothesis is right since its significant at 5% level. From

that result it can be interpreted that the researcher fails to prove the first cross sectional analysis that is about the suspect firm years that have low current asset and will have abnormally higher cost of good sold compared with the rest of sample, even though it is right that suspect firm years that have low current asset will report lower discretionary expense.

Regarding to the second cross sectional hypothesis, when the dependent variable is the abnormal cash flow from operation, the coefficient of *susmft* is negative (0.2037) and when the dependent variable is the abnormal production cost, the coefficient of *susmft* is negative (0.5890). That is not consistent with the second cross sectional hypothesis that manufacturing suspect firm years will report lower cash flow from operation and higher production cost compared with the rest of the sample. Even though the condition of reporting the lower cash flow from operation is right but it is not significant at 5% level, therefore the second cross sectional variation in this interval can not be proven.

The third cross sectional variation hypothesis can be investigated when the abnormal cash flow from operation, *susdebt* shows negative sign (0.0000) and significant at 5% level. When the dependent variable is abnormal production cost *susdebt* shows the positive sign (0.5657) and not significant at 5% level. The last is when the dependent variable is abnormal discretionary expense, *susdebt* shows the negative sign (0.8077) which is consistent with the third cross sectional hypothesis. From this regression it can be shown that actually suspect firm years that have

outstanding debt will report lower abnormal cash flow from operation, higher production cost, and lower discretionary expense compared with the rest of the sample. However, the hypothesis still can be categorized as failed hypothesis since the result of the dependent variables are abnormal discretionary expense and the result of abnormal production cost is not significant at 5% level.

When the dependent variable of abnormal cash flow from operation *suscl* shows positive sign (0.0027), it is not consistent with the fourth cross sectional hypothesis that mentions suspect firm years that have high current liabilities will report lower cash flow from operation. When the dependent variable is abnormal production cost, *suscl* shows positive sign (0.9249). It shows that suspect firm that has high current liabilities will report higher production cost even though it is not significant at 5% level. The last when the dependent variable is abnormal discretionary expense, *suscl* shows positive sign (0.7587) which is not consistent with the hypothesis that suspect firm years which has high current liabilities will report lower discretionary expense compared with the rest of the sample. From that result, it can be interpreted that those suspect firm years that have high current liabilities will not report lower cash flow from operation, report higher production cost and will not report lower discretionary expense. However, this hypothesis still fails since all of the result is not significant at 5% level and not consistent with the last cross sectional hypothesis.

In general the entire hypothesis from the main hypothesis until the cross sectional hypothesis are failed to reject Ho. The possible explanation for that is actually the firm in Indonesia is engaged in earning management but not engage in real activity manipulation. They might be engaged in the earning management from the other way like using deferred tax expenses beside real activity manipulation which is not consistent or does not have the same result with the previous study conducted by Roychowdhury (2004) of which proves that suspect firm is engaged in the earning management by doing the real activity manipulation even though there are two hypotheses that can not be proven by Roychowdhury (2004). The other possible explanation is that firms in Indonesia is engaged in earning management especially real activity manipulation without knowing the basic characteristic of their companies in order to choose the right real activity manipulation. The basic characteristic here refers to what type of industry the firm belongs to, whether in manufacturing company or not, and whether it has low accounting flexibility, has high current liability, and has outstanding debt. Companies which become suspect in this research do not choose the real activity manipulation using the basic theory related with their characteristics; however they are still engaged in earning management in line with their capability and based on their wishes. Another reason of the failure of the hypotheses is because they do the real activity manipulation that does not bring significant effect towards the performance or the reported earning of the company.

Therefore, the prior research about the real activity manipulation can not be proven in Indonesian firms.

4.5 Classical Assumptions

4.5.1. Heteroskedasticity

Heteroskedasticity symptom will appear when the mistake or the residual has different variance from one observation to another. The existence of heteroscedasticity causes the regression coefficient estimation become inefficient. One of the ways for detecting the heteroscedasticity symptom in the regression equation is using Newey West test (Gujarati, 1995). However, the heteroscedasticity has been automatically eliminated by using Eviews 3.0.

4.5.2. Autocorrelation

Autocorrelation can be interpreted as the existence of correlation between one observations' number and other observations' number has different time. Autocorrelation is correlation between one residual and other residual in a different time (Widarjono, 2005). Autocorrelation could be tested by using LM Method or Durbin Watson method where in this research, it is use LM Method and the autocorrelation itself has been automatically eliminated by using Eviews 3.0

4.5.3. Multicolinearity

Multicolinearity can be interpreted as the existence of high correlation between one variable with another variable. In this research, multicolinearity exists and causes an elimination of one interval which is -0.05 – 0.05 interval. The existence of this multicolinearity exists since the relationship between susdebt, suscl, cl, and suspect are very tight therefore the multicolinearity exists and that interval is eliminated.

4.5.4. Outlier

Outlier can be defined as an extreme data exist in the data used for the research. This extreme data will affected to the result of the regression itself, therefore that extreme data or outlier should be eliminated. Outlier could be detected and could be eliminated by using Cook's distance in SPSS, if the data is more than 2.5 it can be called as an outlier. In this research, the outliers have been eliminated by using Cook's distance in SPSS.

CHAPTER V

Conclusion and Recommendations

5.1 Conclusion

After identifying the problem stated before, the researcher comes to the conclusion that basically this research has answered the main problem and main reason in conducting this research. This research is based on two types of hypotheses. The main hypothesis is about the real activity manipulation and its affection to the cash flow from operation. Another hypothesis – cross sectional variation hypothesis – about how the firm engages in a real activity manipulation based on the characteristics of the company. The conclusions are;

1. Suspect firm years from all intervals in general do not have any significant prove of engage in real activity manipulation that affected directly to their cash flow from operation.
2. Suspect firm years which have the characteristic of low accounting flexibility does not show the higher abnormal cost of good sold and lower abnormal discretionary expense as the effect of real activity manipulation. However, in interval -0.125 – 0.125, firms with low accounting flexibility show the lower abnormal discretionary expense as the effect of real activity manipulation but does not show higher abnormal cost of good sold as the effect of real activity manipulation.

3. Suspect firm years that have the characteristic of the manufacturing company in interval -0.075 – 0.075 shows lower abnormal cash flow from operation and higher abnormal production as the effect of real activity manipulation and manufacturing company in interval -0.10 – 0.10 and -0.125 – 0.125 it does not show higher abnormal production cost but show lower abnormal cash flow from operation as the effect of real activity manipulation.
4. Suspect firm years that have the characteristic of having outstanding debt in interval -0.075 – 0.075 and -0.10 – 0.10 shows lower abnormal cash flow from operation and higher abnormal production cost but does not show the lower abnormal discretionary expense as the effect of real activity manipulation. However, in interval -0.125 – 0.125 firms that have outstanding debt show lower abnormal cash flow from operation, lower abnormal discretionary expense, and higher abnormal production cost as the effect of real activity manipulation.
5. Suspect firm years that have the characteristic of having high current liability in all interval do not show lower abnormal cash flow from operation. In fact they show lower abnormal discretionary expense except in interval -0.125 – 0.125, and higher abnormal production cost except in interval -0.075 – 0.075 as the effect of real activity manipulation.

5.2 Limitation

Here is the limitation of conducting this research that relates with the weaknesses of the data and hypothesis stated in previous chapter. The limitations are;

1. Actually, this research has the limitation in the range of the data. It only consists of 4 years for companies stated in Jakarta Stock Exchange.
2. The other limitation happens because many companies stated in Jakarta Stock exchange do not have all the required data in order to fulfill the purposive sampling criteria.
3. This research only discusses about the real activity manipulation and not discuss about the other manipulation such as accrual manipulation that can not be compared whether the firms in Indonesia are willing to do the real activity manipulation or accrual manipulation.

5.3 Recommendation

In order to overcome the limitations stated previously, here are the recommendations for academician researchers who will conduct or continue this research and the recommendation for firm in Indonesia relates with real activity manipulation.

1. Range of the data expected needs to be lengthened in order to overcome the limitation about the range data and to overcome the incomplete data.

2. The next researcher expects to have a comparison between real activity manipulation and accrual manipulation.
3. The firms in Indonesia expected to do real activity manipulation based on their characteristic in order to fulfill the earning target or to have the significance change in the reported earning between after doing the earning management and before.

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APPENDIX 1

Interval -0.125 – 0.125

	SUSPECT FIRM-YEAR		FULL SAMPLE	
	MEAN	MEDIAN	MEAN	MEDIAN
MTB	2.916556	0.636538	3.725086	0.364390
NI/A	0.018794	0.023731	(0.149576)	0.000000
CFO/A	0.354960	0.057166	0.291556	0.020555
PROD COST/A	3.208635	0.599324	2.857481	0.350643
DISCRETIONARY EXPENSE/A	0.527441	0.097539	0.417303	0.058757

Interval -0.075 – 0.075

	SUSPECT FIRM-YEAR		FULL SAMPLE	
	MEAN	MEDIAN	MEAN	MEDIAN
MTB	1.386387	0.564271	3.725086	0.364390
NI/A	0.015780	0.019498	(0.149576)	0.000000
CFO/A	0.443431	0.059751	0.291556	0.020555
PROD COST/A	3.885759	0.631072	2.857481	0.350643
DISCRETIONARY EXPENSE/A	0.635927	0.094279	0.417303	0.058757

Interval -0.10 – 0.10

	SUSPECT FIRM-YEAR		FULL SAMPLE	
	MEAN	MEDIAN	MEAN	MEDIAN
MTB	3.188305	0.638650	3.725086	0.364390
NI/A	0.016426	0.021932	(0.149576)	0.000000
CFO/A	0.388648	0.059445	0.291556	0.020555
PROD COST/A	3.437101	0.597550	2.857481	0.350643
DISCRETIONARY EXPENSE/A	0.564009	0.095093	0.417303	0.058757

Appendix 2

Correlations

		SUSPECT	CFO	PRODC	DISEXP	ABCFO	ABPROD	ABDSXP	MTB
SUSPECT	Pearson Correlation	1	-.003	-.002	-.003	-.002	-.001	-.004	-.001
	Sig. (2-tailed)	.	.939	.951	.939	.963	.969	.917	.975
	N	856	850	850	850	856	856	856	856
CFO	Pearson Correlation	-.003	1	.634**	.962**	.004	.001	-.002	.002
	Sig. (2-tailed)	.939	.	.000	.000	.918	.968	.958	.954
	N	850	854	854	854	850	850	850	850
PRODC	Pearson Correlation	-.002	.634**	1	.660**	.005	.002	-.002	.008
	Sig. (2-tailed)	.951	.000	.	.000	.889	.953	.962	.816
	N	850	854	854	854	850	850	850	850
DISEXP	Pearson Correlation	-.003	.962**	.660**	1	.002	.001	-.002	.003
	Sig. (2-tailed)	.939	.000	.000	.	.945	.970	.964	.919
	N	850	854	854	854	850	850	850	850
ABCFO	Pearson Correlation	-.002	.004	.005	.002	1	-.737**	.870**	.001
	Sig. (2-tailed)	.963	.918	.889	.945	.	.000	.000	.984
	N	856	850	850	850	856	856	856	856
ABPROD	Pearson Correlation	-.001	.001	.002	.001	-.737**	1	-.706**	-.003
	Sig. (2-tailed)	.969	.968	.953	.970	.000	.	.000	.933
	N	856	850	850	850	856	856	856	856
ABDSXP	Pearson Correlation	-.004	-.002	-.002	-.002	.870**	-.706**	1	-.003
	Sig. (2-tailed)	.917	.958	.962	.964	.000	.000	.	.940
	N	856	850	850	850	856	856	856	856
MTB	Pearson Correlation	-.001	.002	.008	.003	.001	-.003	-.003	1
	Sig. (2-tailed)	.975	.954	.816	.919	.984	.933	.940	.
	N	856	850	850	850	856	856	856	856

**. Correlation is significant at the 0.01 level (2-tailed).

APPENDIX 3

Interval -0.075 – 0.075

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:21
Sample: 1 432
Included observations: 432
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.933339	1.779299	-1.086573	0.2778
SIZE	0.174284	0.167209	1.042315	0.2979
MTB	-0.000416	0.001467	-0.283567	0.7769
NI	-0.007548	0.010875	-0.694023	0.4880
SUSPECT	5.682268	7.386685	0.769258	0.4422

R-squared	0.003878	Mean dependent var	0.086689
Adjusted R-squared	-0.005453	S.D. dependent var	4.432303
S.E. of regression	4.444371	Akaike info criterion	5.832660
Sum squared resid	8434.290	Schwarz criterion	5.879749
Log likelihood	-1254.855	F-statistic	0.415623
Durbin-Watson stat	1.115563	Prob(F-statistic)	0.797401

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:21
Sample: 1 432
Included observations: 432
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.706596	2.085539	1.297792	0.1951
SIZE	-0.252038	0.197140	-1.278471	0.2018
MTB	-0.000981	0.002637	-0.371890	0.7102
NI	0.010819	0.011753	0.920493	0.3578
SUSPECT	-8.722122	8.517045	-1.024078	0.3064

R-squared	0.007061	Mean dependent var	-0.224809
Adjusted R-squared	-0.002240	S.D. dependent var	4.938596
S.E. of regression	4.944124	Akaike info criterion	6.045783
Sum squared resid	10437.74	Schwarz criterion	6.092871
Log likelihood	-1300.889	F-statistic	0.759166
Durbin-Watson stat	1.014100	Prob(F-statistic)	0.552320

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:18
Sample: 1 432
Included observations: 432
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.736853	1.470324	-1.181273	0.2382
SIZE	0.161676	0.139182	1.161616	0.2460
MTB	-0.000672	0.001029	-0.653287	0.5139
NI	-0.004694	0.008246	-0.569223	0.5695
SUSPECT	5.714143	5.986804	0.954456	0.3404

R-squared	0.006002	Mean dependent var	0.144037
Adjusted R-squared	-0.003309	S.D. dependent var	3.480284
S.E. of regression	3.486038	Akaike info criterion	5.346915
Sum squared resid	5189.101	Schwarz criterion	5.394004
Log likelihood	-1149.934	F-statistic	0.644585
Durbin-Watson stat	1.003826	Prob(F-statistic)	0.630974

Interval -0.10 – 0.10

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:23
Sample: 1 512
Included observations: 512
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.742776	1.435109	-1.214386	0.2252
SIZE	0.163760	0.137257	1.193088	0.2334
MTB	-0.000421	0.000527	-0.798469	0.4250
NI	-0.002117	0.005521	-0.383450	0.7015
SUSPECT	2.831786	3.047902	0.929094	0.3533

R-squared	0.003912	Mean dependent var	0.124632
Adjusted R-squared	-0.003947	S.D. dependent var	3.196867
S.E. of regression	3.203170	Akaike info criterion	5.175876
Sum squared resid	5201.970	Schwarz criterion	5.217266
Log likelihood	-1320.024	F-statistic	0.497796
Durbin-Watson stat	1.002566	Prob(F-statistic)	0.737378

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:23
Sample: 1 512
Included observations: 512
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.930046	1.698027	-1.136640	0.2562
SIZE	0.175156	0.161564	1.084125	0.2788
MTB	-0.000693	0.000692	-1.000791	0.3174
NI	-0.005215	0.007586	-0.687431	0.4921
SUSPECT	3.172124	3.741397	0.847845	0.3969

R-squared	0.002886	Mean dependent var	0.068446
Adjusted R-squared	-0.004980	S.D. dependent var	4.072002
S.E. of regression	4.082129	Akaike info criterion	5.660832
Sum squared resid	8448.536	Schwarz criterion	5.702222
Log likelihood	-1444.173	F-statistic	0.366913
Durbin-Watson stat	1.120849	Prob(F-statistic)	0.832220

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:23
Sample: 1 512
Included observations: 512
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.698365	2.036200	1.325196	0.1857
SIZE	-0.252759	0.195765	-1.291135	0.1972
MTB	0.000450	0.001464	0.307606	0.7585
NI	0.007789	0.007697	1.011867	0.3121
SUSPECT	-5.046029	6.110371	-0.825814	0.4093

R-squared	0.004430	Mean dependent var	-0.194959
Adjusted R-squared	-0.003425	S.D. dependent var	4.984649
S.E. of regression	4.993177	Akaike info criterion	6.063739
Sum squared resid	12640.43	Schwarz criterion	6.105129
Log likelihood	-1547.317	F-statistic	0.563981
Durbin-Watson stat	1.186702	Prob(F-statistic)	0.688909

Interval -0.125 – 0.125

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:25
Sample: 1 575
Included observations: 575
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.780060	1.446156	-1.230891	0.2189
SIZE	0.167576	0.138635	1.208755	0.2273
MTB	-0.000642	0.000685	-0.937309	0.3490
NI	-0.001189	0.004360	-0.272690	0.7852
SUSPECT	1.718876	1.823634	0.942556	0.3463

R-squared	0.003262	Mean dependent var	0.111799
Adjusted R-squared	-0.003733	S.D. dependent var	3.016935
S.E. of regression	3.022560	Akaike info criterion	5.058743
Sum squared resid	5207.446	Schwarz criterion	5.096607
Log likelihood	-1449.389	F-statistic	0.466326
Durbin-Watson stat	1.001850	Prob(F-statistic)	0.760476

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:26
Sample: 1 575
Included observations: 575
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.028005	1.706448	-1.188436	0.2352
SIZE	0.193402	0.163450	1.183252	0.2372
MTB	-0.001574	0.001106	-1.424218	0.1549
NI	-0.004149	0.005884	-0.705069	0.4811
SUSPECT	0.042160	2.989566	0.014102	0.9888

R-squared	0.001603	Mean dependent var	0.116127
Adjusted R-squared	-0.005403	S.D. dependent var	4.049027
S.E. of regression	4.059950	Akaike info criterion	5.648876
Sum squared resid	9395.422	Schwarz criterion	5.686740
Log likelihood	-1619.052	F-statistic	0.228836
Durbin-Watson stat	1.202610	Prob(F-statistic)	0.922223

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:25
Sample: 1 575
Included observations: 575
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.620158	2.040966	1.283783	0.1997
SIZE	-0.246335	0.196211	-1.255460	0.2098
MTB	0.000762	0.001368	0.556958	0.5778
NI	0.005676	0.006016	0.943449	0.3459
SUSPECT	-2.860575	3.727788	-0.767365	0.4432

R-squared	0.003153	Mean dependent var	-0.167140
Adjusted R-squared	-0.003842	S.D. dependent var	4.713478
S.E. of regression	4.722525	Akaike info criterion	5.951222
Sum squared resid	12712.28	Schwarz criterion	5.989086
Log likelihood	-1705.976	F-statistic	0.450734
Durbin-Watson stat	1.184727	Prob(F-statistic)	0.771889

Interval -0.075 – 0.075

	Abnormal CFO		**Abnormal Production Cost**		**Abnormal Discretionary Expenses**	
	Sign	Prob.	Sign	Prob.	Sign	Prob.
Suspect	-	+0.3404	+	-0.3064	-	+0.4422

Interval -0.010 – 0.010

	Abnormal CFO		**Abnormal Production Cost**		**Abnormal Discretionary Expenses**	
	Sign	Prob.	Sign	Prob.	Sign	Prob.
Suspect	-	+0.3533	+	-0.4093	-	+0.3969

Interval -0.125 – 0.125

	Abnormal CFO		**Abnormal Production Cost**		**Abnormal Discretionary Expenses**	
	Sign	Prob.	Sign	Prob.	Sign	Prob.
Suspect	-	+0.3463	+	-0.4432	-	+0.9888

APPENDIX 4

Interval -0.075 – 0.075

	Abnormal CFO			Abnormal Production Cost		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0493			0.1180
Size			0.0085			0.2846
MTB			0.7017			0.1332
Net income			0.2437			0.1696
Suspect			0.9966			0.6077
LoCA			0.0000			0.0607
MFT			0.0288			0.7716
DEBT			0.0200			0.1154
Cl			0.0328			0.0046
SUSLoCA			0.0000			0.0808
SUSMFT	-	-	0.0196	+	+	0.9061
SUSDEBT	-	-	0.0001	+	+	0.0292
SUSCL	-	+	0.0007	+	-	0.1343

	Abnormal CGS			Abnormal Discretionary Exp		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0118			0.1774
Size			0.0308			0.1440
MTB			0.3991			0.4720
Net income			0.5147			0.0001
Suspect			0.6040			0.5394
LoCA			0.0727			0.7431
MFT			0.2325			0.0065
DEBT			0.1318			0.0010
Cl			0.0024			0.1782
SUSLoCA	+	-	0.0000	-	+	0.9824
SUSMFT			0.0581			0.3309
SUSDEBT			0.0372	-	+	0.0000
SUSCL			0.1477	-	-	0.0000

Interval -0.10 – 0.10

	Abnormal CFO			Abnormal Production Cost		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0283			0.1203
Size			0.0023			0.1399
MTB			0.0712			0.3942
Net income			0.3071			0.8055
Suspect			0.7965			0.7318
LoCA			0.0000			0.1973
MFT			0.2792			0.8343
DEBT			0.0406			0.9129
Cl			0.0366			0.2466
SUSLoCA			0.0000			0.4454
SUSMFT	-	-	0.1191	+	-	0.8000
SUSDEBT	-	-	0.0003	+	+	0.5777
SUSCL	-	+	0.0168	+	+	0.9891

	Abnormal CGS			Abnormal Discretionary Exp		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0024			0.1713
Size			0.0179			0.1115
MTB			0.1687			0.4856
Net income			0.9749			0.0138
Suspect			0.2927			0.3915
LoCA			0.1241			0.5246
MFT			0.7842			0.3013
DEBT			0.0946			0.0052
Cl			0.0033			0.2096
SUSLoCA	+	-	0.0000	-	+	0.8795
SUSMFT			0.2634			0.9748
SUSDEBT			0.0759	-	+	0.0000
SUSCL			0.3341	-	-	0.0000

Interval -0.125 – 0.125

	Abnormal CFO			Abnormal Production Cost		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0356			0.0903
Size			0.0031			0.1018
MTB			0.0629			0.3429
Net income			0.3026			0.6055
Suspect			0.8348			0.7098
LoCA			0.0000			0.1186
MFT			0.2315			0.6249
DEBT			0.0095			0.9224
Cl			0.0097			0.1861
SUSLoCA			0.0000			0.6413
SUSMFT	-	+	0.2037	+	-	0.5890
SUSDEBT	-	-	0.0000	+	+	0.5657
SUSCL	-	+	0.0027	+	+	0.9249

	Abnormal CGS			Abnormal Discretionary Exp		
	Predicted sign	Result	Prob	Predicted sign	Result	Prob
α			0.0061			0.3394
Size			0.0355			0.1582
MTB			0.1406			0.5423
Net income			0.8488			0.0002
Suspect			0.2441			0.3550
LoCA			0.0398			0.0339
MFT			0.8923			0.4611
DEBT			0.2134			0.3672
Cl			0.0030			0.2970
SUSLoCA	+	-	0.0000	-	-	0.0007
SUSMFT			0.3435			0.3425
SUSDEBT			0.1159	-	-	0.8077
SUSCL			0.5912	-	+	0.7587

Interval -0.075 – 0.075

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:29
Sample: 1 426
Included observations: 426
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.121376	0.061568	-1.971412	0.0493
SIZE	0.015759	0.005962	2.643408	0.0085
MTB	8.40E-05	0.000219	0.383230	0.7017
NI	0.009221	0.007899	1.167428	0.2437
SUSPECT	0.000655	0.155545	0.004214	0.9966
LOCA	-0.138919	0.028582	-4.860321	0.0000
MFT	-0.029188	0.013303	-2.194149	0.0288
DEBT	0.032093	0.013743	2.335156	0.0200
CL	-0.035209	0.016440	-2.141680	0.0328
SUSLOCA	0.488079	0.086803	5.622829	0.0000
SUSMFT	-0.081008	0.034570	-2.343338	0.0196
SUSDEBT	-0.178557	0.045379	-3.934816	0.0001
SUSCL	0.144387	0.042045	3.434145	0.0007

R-squared	0.162203	Mean dependent var	-0.017101
Adjusted R-squared	0.137860	S.D. dependent var	0.132152
S.E. of regression	0.122705	Akaike info criterion	-1.328020
Sum squared resid	6.218380	Schwarz criterion	-1.204293
Log likelihood	295.8683	F-statistic	6.663299
Durbin-Watson stat	1.846014	Prob(F-statistic)	0.000000

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:30
Sample(adjusted): 1 427
Included observations: 427 after adjusting endpoints
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.207110	0.153295	1.351056	0.1774
SIZE	-0.018560	0.012680	-1.463662	0.1440
MTB	0.000325	0.000452	0.719844	0.4720
NI	-0.040266	0.010174	-3.957871	0.0001
SUSPECT	-0.088943	0.144806	-0.614219	0.5394
LOCA	-0.008463	0.025799	-0.328032	0.7431
MFT	-0.024904	0.009101	-2.736293	0.0065
DEBT	-0.048776	0.014747	-3.307638	0.0010
CL	0.018740	0.013897	1.348487	0.1782
SUSLOCA	0.002875	0.130239	0.022078	0.9824
SUSMFT	-0.041476	0.042608	-0.973443	0.3309
SUSDEBT	0.245296	0.042547	5.765271	0.0000
SUSCL	-0.236601	0.043648	-5.420630	0.0000

R-squared	0.091480	Mean dependent var	-0.045375
Adjusted R-squared	0.065147	S.D. dependent var	0.117568
S.E. of regression	0.113673	Akaike info criterion	-1.481002

Sum squared resid	5.349565	Schwarz criterion	-1.357493
Log likelihood	329.1939	F-statistic	3.473866
Durbin-Watson stat	1.224052	Prob(F-statistic)	0.000067

Dependent Variable: ABCGS
Method: Least Squares
Date: 07/28/06 Time: 14:28
Sample: 1 427
Included observations: 427
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.260795	0.103161	2.528034	0.0118
SIZE	-0.020017	0.009235	-2.167587	0.0308
MTB	-0.000652	0.000773	-0.844106	0.3991
NI	-0.005566	0.008535	-0.652154	0.5147
SUSPECT	0.150372	0.289682	0.519093	0.6040
LOCA	-0.056992	0.031673	-1.799417	0.0727
MFT	0.023029	0.019261	1.195618	0.2325
DEBT	-0.035983	0.023827	-1.510193	0.1318
CL	0.073762	0.024162	3.052838	0.0024
SUSLOCA	-0.869541	0.167027	-5.205987	0.0000
SUSMFT	0.130465	0.068653	1.900366	0.0581
SUSDEBT	0.152207	0.072801	2.090728	0.0372
SUSCL	-0.100289	0.069146	-1.450399	0.1477

R-squared	0.189933	Mean dependent var	0.021223
Adjusted R-squared	0.166453	S.D. dependent var	0.218134
S.E. of regression	0.199154	Akaike info criterion	-0.359507
Sum squared resid	16.42017	Schwarz criterion	-0.235998
Log likelihood	89.75468	F-statistic	8.089079
Durbin-Watson stat	2.069359	Prob(F-statistic)	0.000000

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:31
Sample: 1 428
Included observations: 428
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.310716	0.198352	1.566488	0.1180
SIZE	-0.017903	0.016709	-1.071490	0.2846
MTB	-0.001648	0.001096	-1.504449	0.1332
NI	-0.037588	0.027319	-1.375873	0.1696
SUSPECT	-0.432942	0.842658	-0.513781	0.6077
LOCA	-0.185807	0.098809	-1.880459	0.0607
MFT	0.013459	0.046339	0.290451	0.7716
DEBT	-0.124775	0.079092	-1.577588	0.1154
CL	0.175801	0.061763	2.846395	0.0046
SUSLOCA	-0.669155	0.382265	-1.750503	0.0808
SUSMFT	0.022733	0.192517	0.118084	0.9061
SUSDEBT	0.523874	0.239352	2.188715	0.0292
SUSCL	-0.381932	0.254586	-1.500210	0.1343

R-squared	0.047042	Mean dependent var	0.005515

Adjusted R-squared	0.019487	S.D. dependent var	0.533323
S.E. of regression	0.528102	Akaike info criterion	1.590847
Sum squared resid	115.7399	Schwarz criterion	1.714138
Log likelihood	-327.4412	F-statistic	1.707178
Durbin-Watson stat	1.917514	Prob(F-statistic)	0.062754

Interval -0.10 – 0.10

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:34
Sample: 1 506
Included observations: 506
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.130491	0.059311	-2.200117	0.0283
SIZE	0.016756	0.005459	3.069494	0.0023
MTB	0.000212	0.000117	1.808183	0.0712
NI	0.006808	0.006659	1.022361	0.3071
SUSPECT	-0.026047	0.100942	-0.258037	0.7965
LOCA	-0.143034	0.028521	-5.015138	0.0000
MFT	-0.014721	0.013589	-1.083305	0.2792
DEBT	0.024431	0.011903	2.052634	0.0406
CL	-0.031873	0.015211	-2.095428	0.0366
SUSLOCA	0.460657	0.076121	6.051615	0.0000
SUSMFT	-0.057801	0.037024	-1.561184	0.1191
SUSDEBT	-0.153282	0.041971	-3.652077	0.0003
SUSCL	0.107582	0.044828	2.399873	0.0168

R-squared	0.155344	Mean dependent var	-0.011260
Adjusted R-squared	0.134784	S.D. dependent var	0.129269
S.E. of regression	0.120242	Akaike info criterion	-1.373263
Sum squared resid	7.127876	Schwarz criterion	-1.264676
Log likelihood	360.4355	F-statistic	7.555776
Durbin-Watson stat	1.873983	Prob(F-statistic)	0.000000

Dependent Variable: ABCGS
Method: Least Squares
Date: 07/28/06 Time: 14:33
Sample: 1 507
Included observations: 507
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.307397	0.100630	3.054726	0.0024
SIZE	-0.023117	0.009732	-2.375383	0.0179
MTB	-0.000232	0.000168	-1.378422	0.1687
NI	-0.000411	0.013060	-0.031487	0.9749
SUSPECT	-0.339906	0.322672	-1.053412	0.2927
LOCA	-0.041089	0.026674	-1.540395	0.1241
MFT	0.005225	0.019064	0.274062	0.7842

DEBT	-0.039651	0.023674	-1.674876	0.0946
CL	0.070925	0.023988	2.956644	0.0033
SUSLOCA	-0.864407	0.151164	-5.718328	0.0000
SUSMFT	0.078241	0.069876	1.119704	0.2634
SUSDEBT	0.133747	0.075182	1.778976	0.0759
SUSCL	-0.066748	0.069040	-0.966812	0.3341

R-squared	0.142703	Mean dependent var	0.015734
Adjusted R-squared	0.121878	S.D. dependent var	0.239579
S.E. of regression	0.224505	Akaike info criterion	-0.124533
Sum squared resid	24.89880	Schwarz criterion	-0.016109
Log likelihood	44.56899	F-statistic	6.852502
Durbin-Watson stat	2.053439	Prob(F-statistic)	0.000000

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:34
Sample: 1 507
Included observations: 507
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.172090	0.125620	1.369931	0.1713
SIZE	-0.016164	0.010137	-1.594499	0.1115
MTB	0.000114	0.000163	0.697927	0.4856
NI	-0.044411	0.017970	-2.471442	0.0138
SUSPECT	0.174353	0.203302	0.857603	0.3915
LOCA	-0.015862	0.024914	-0.636669	0.5246
MFT	-0.011356	0.010975	-1.034730	0.3013
DEBT	-0.047188	0.016805	-2.808001	0.0052
CL	0.020891	0.016630	1.256248	0.2096
SUSLOCA	0.020029	0.132065	0.151661	0.8795
SUSMFT	-0.001587	0.050140	-0.031642	0.9748
SUSDEBT	0.229304	0.045529	5.036443	0.0000
SUSCL	-0.225668	0.042584	-5.299409	0.0000

R-squared	0.042944	Mean dependent var	-0.042959
Adjusted R-squared	0.019696	S.D. dependent var	0.146421
S.E. of regression	0.144972	Akaike info criterion	-0.999245
Sum squared resid	10.38235	Schwarz criterion	-0.890822
Log likelihood	266.3086	F-statistic	1.847189
Durbin-Watson stat	1.049092	Prob(F-statistic)	0.038639

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:35
Sample: 1 510
Included observations: 510
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.368796	0.237007	1.556054	0.1203
SIZE	-0.031450	0.021271	-1.478535	0.1399
MTB	-0.000576	0.000676	-0.852829	0.3942
NI	-0.000650	0.002639	-0.246422	0.8055

SUSPECT	-0.707478	2.062786	-0.342972	0.7318
LOCA	-0.115259	0.089269	-1.291148	0.1973
MFT	-0.024311	0.116134	-0.209338	0.8343
DEBT	-0.019135	0.174762	-0.109489	0.9129
CL	0.168360	0.145145	1.159946	0.2466
SUSLOCA	-0.128134	0.167762	-0.763785	0.4454
SUSMFT	-0.081503	0.321573	-0.253453	0.8000
SUSDEBT	0.252681	0.453518	0.557157	0.5777
SUSCL	0.005456	0.398774	0.013681	0.9891

R-squared	0.004305	Mean dependent var	0.003879
Adjusted R-squared	-0.019736	S.D. dependent var	2.130044
S.E. of regression	2.150960	Akaike info criterion	4.394866
Sum squared resid	2299.435	Schwarz criterion	4.502801
Log likelihood	-1107.691	F-statistic	0.179060
Durbin-Watson stat	2.888832	Prob(F-statistic)	0.999107

Interval -0.125 – 0.125

Dependent Variable: ABCFO
Method: Least Squares
Date: 07/28/06 Time: 14:40
Sample: 1 568
Included observations: 568
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.125457	0.059552	-2.106683	0.0356
SIZE	0.015985	0.005379	2.971552	0.0031
MTB	0.000220	0.000118	1.863711	0.0629
NI	0.007262	0.007038	1.031834	0.3026
SUSPECT	0.019236	0.092207	0.208614	0.8348
LOCA	-0.137937	0.028086	-4.911188	0.0000
MFT	-0.014434	0.012049	-1.197914	0.2315
DEBT	0.034928	0.013417	2.603275	0.0095
CL	-0.041298	0.015918	-2.594399	0.0097
SUSLOCA	0.447608	0.080832	5.537547	0.0000
SUSMFT	-0.043658	0.034305	-1.272652	0.2037
SUSDEBT	-0.178551	0.042582	-4.193139	0.0000
SUSCL	0.130925	0.043467	3.012079	0.0027

R-squared	0.155283	Mean dependent var	-0.009930
Adjusted R-squared	0.137019	S.D. dependent var	0.130090
S.E. of regression	0.120850	Akaike info criterion	-1.365918
Sum squared resid	8.106571	Schwarz criterion	-1.266539
Log likelihood	400.9207	F-statistic	8.502065
Durbin-Watson stat	2.146886	Prob(F-statistic)	0.000000

Dependent Variable: ABCGS
Method: Least Squares
Date: 07/28/06 Time: 14:39
Sample: 1 569
Included observations: 569
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.299838	0.109002	2.750754	0.0061
SIZE	-0.021823	0.010351	-2.108294	0.0355
MTB	-0.000218	0.000147	-1.475557	0.1406
NI	0.002572	0.013488	0.190724	0.8488
SUSPECT	-0.236936	0.203186	-1.166106	0.2441
LOCA	-0.065667	0.031860	-2.061141	0.0398
MFT	0.002580	0.019050	0.135407	0.8923
DEBT	-0.027766	0.022291	-1.245628	0.2134
CL	0.060364	0.020223	2.984874	0.0030
SUSLOCA	-0.824259	0.150462	-5.478170	0.0000
SUSMFT	0.050885	0.053669	0.948132	0.3435
SUSDEBT	0.106807	0.067826	1.574728	0.1159
SUSCL	-0.034921	0.064981	-0.537407	0.5912

R-squared	0.145892	Mean dependent var	0.014042
Adjusted R-squared	0.127458	S.D. dependent var	0.235162
S.E. of regression	0.219665	Akaike info criterion	-0.170846
Sum squared resid	26.82846	Schwarz criterion	-0.071601
Log likelihood	61.60571	F-statistic	7.914324
Durbin-Watson stat	1.618018	Prob(F-statistic)	0.000000

Dependent Variable: ABDSXP
Method: Least Squares
Date: 07/28/06 Time: 14:41
Sample: 1 572
Included observations: 572
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.137216	0.143496	0.956236	0.3394
SIZE	-0.016860	0.011932	-1.412996	0.1582
MTB	-0.000261	0.000429	-0.609768	0.5423
NI	-0.002612	0.000705	-3.702983	0.0002
SUSPECT	-1.882010	2.032952	-0.925752	0.3550
LOCA	0.109658	0.051570	2.126374	0.0339
MFT	0.067408	0.091388	0.737602	0.4611
DEBT	0.258008	0.285901	0.902438	0.3672
CL	-0.326479	0.312759	-1.043869	0.2970
SUSLOCA	-0.424047	0.123953	-3.421017	0.0007
SUSMFT	0.076325	0.080332	0.950123	0.3425
SUSDEBT	-0.118598	0.487070	-0.243494	0.8077
SUSCL	0.165451	0.538329	0.307341	0.7587

R-squared	0.018417	Mean dependent var	0.016177
Adjusted R-squared	-0.002655	S.D. dependent var	1.297783
S.E. of regression	1.299504	Akaike info criterion	3.384307
Sum squared resid	943.9893	Schwarz criterion	3.483151

Log likelihood	-954.9119	F-statistic	0.874022
Durbin-Watson stat	1.882475	Prob(F-statistic)	0.573606

Dependent Variable: ABPROD
Method: Least Squares
Date: 07/28/06 Time: 14:42
Sample: 1 573
Included observations: 573
Newey-West HAC Standard Errors & Covariance (lag truncation=5)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.394924	0.232757	1.696724	0.0903
SIZE	-0.031468	0.019203	-1.638715	0.1018
MTB	-0.000545	0.000574	-0.949161	0.3429
NI	-0.001078	0.002086	-0.516830	0.6055
SUSPECT	-0.474430	1.274085	-0.372369	0.7098
LOCA	-0.153570	0.098256	-1.562957	0.1186
MFT	-0.040058	0.081876	-0.489248	0.6249
DEBT	-0.014826	0.152075	-0.097494	0.9224
CL	0.154932	0.117038	1.323773	0.1861
SUSLOCA	-0.033319	0.071475	-0.466161	0.6413
SUSMFT	-0.159978	0.295944	-0.540570	0.5890
SUSDEBT	0.229687	0.399657	0.574711	0.5657
SUSCL	0.034730	0.368174	0.094331	0.9249

R-squared	0.022013	Mean dependent var	0.009933
Adjusted R-squared	0.001056	S.D. dependent var	2.031974
S.E. of regression	2.030900	Akaike info criterion	4.277261
Sum squared resid	2309.751	Schwarz criterion	4.375973
Log likelihood	-1212.435	F-statistic	1.050413
Durbin-Watson stat	2.869668	Prob(F-statistic)	0.400593

APPENDIX 5

List of the Companies

1. Andi Chandra Automotive
2. Ades Alfindo
3. Adindo Foresta Industry
4. GT Petrochem Industri
5. Akbarindo Makmur
6. Asia Inti Selera
7. Argha Karya Prima Industry
8. Aneka Kimia Raya
9. Alter Abadi
10. Alfa Retailindo
11. Alakasa Industrindo
12. Alumindo Light Metal Industry
13. Asahimas Flat Glass
14. Anta Express tour and Travel
15. Aneka Tambang
16. Asiaplast industry
17. Aqua Golden Mississippi
18. Argo Pantes
19. Arwana Citramulia
20. Astra Graphia
21. Asiana Multikreasi
22. Astra International
23. Astra Otoparts
24. Bahtera Adimina Sejahtera
25. Sepatu BATA
26. BAT Indonesia
27. Baligraha
28. Primaindo Asia Infra
29. Bhunawatala IP
30. Bukit Sentul
31. Berlian Laju Tanker
32. Bintang Mitra Semesta
33. Branta Mulia
34. Berlina
35. Barito Pacific Timber
36. Budi Acid Jaya
37. Bukaka Teknik Utama
38. Bayer Indonesia
39. Centrin Online
40. Ciptojaya Kontrindo
41. Colorpak Indonesia
42. Centex
43. Cipendawa Farm
44. Charoen Phokphan
45. Central Proteina Prima
46. Ciputra Development
47. Ciputra Surya
48. Citatah Industry Marmer
49. Duta Anggada Realty
50. Davomas Abadi
51. Dharmala intiland
52. Delta Djakarta
53. Dyviacom Intra Bumi
54. Dankos Laboratories
55. Daeyu Orchid Indonesia
56. Duta Pertiwi Nusantara
57. Dharma Samudra
58. Daya Sakti Unggul Corporation
59. Duta Pertiwi
60. Darya Varia Laboratory
61. Dynaplast
62. Eka Dharma Tape Industry
63. Bakriland Development
64. Enseval Putra Megatra
65. Eratex Djaya
66. Evershine Tex
67. Eterindo Wahanatama
68. Fast Food Indonesia
69. Fajar Surya Wisesa
70. Fortune Mate Indonesia
71. Fortune Indonesia
72. Fatrapolindo Nusa Industry
73. Kasogi International
74. Good Year Indonesia
75. Gema Graha Sarana
76. Gudang Garam
77. Gajah Tunggal
78. Gowa Makassar
79. Great River International
80. Panasia Indosyntec
81. Hero Supermarket
82. Hexindo Adi Perkasa
83. Humpuss Intermoda
84. HM Sampoerna

85. Arya Duta Hotel
86. Infoasia Teknologi Global
87. Indosiar Visual Mandiri
88. Igar Jaya
89. Inti Keramik Alamasri
90. Sumi Indo Kabel
91. Indomobil Sukses International
92. Indofarma
93. Indal Alumunium Industry
94. Intan Wijaya International
95. Indofood Sukses Makmur
96. Indospring
97. Indo Exchange Dotcom
98. Intraco Penta
99. Inter Delta
100. Indocement Tunggal
101. Indosat
102. Itamaraya Gold Industry
103. Intergrasi Teknologi
104. Jaka Artha Graha
105. Jemblo Cable Company
106. Jakarta International Hotel and Development
107. Jakarta Kyoei Steel Work
108. Japfa Comfeed industry
109. Jaya Pari Steel
110. Jaya Real Property
111. Jakarta Setiabudi International
112. Kimia Farma
113. Karwell Indonesia
114. Karya Yasa Profilia
115. GT Kabel Indonesia
116. Kabelindo Murni
117. Kedawung Setia Industry
118. Keramika Indonesia
119. Kedaung indah Can
120. Kawasan Industri Jababeka
121. Kurnia Kapuas Utama
122. Kalbe Farma
123. Komatsu Indonesia
124. Perdana Bangun Pusaka
125. Kopitime Dotcom
126. Krida Perdana Indah
127. Lamicitra Nusantara
128. Lapindo Packaging
129. Lion Metal Works
130. Langgeng Makmur Industry
131. Lion Mesh Prima
132. Lippo Cikarang
133. Lippo Enterprises
134. Lippo Karawaci
135. Lippo Land Development
136. PP London Sumatra
137. Lautan Luas
138. Mas Murni Indonesia
139. Multi Breeder Adirama
140. Modernland Realty
141. Modern Photo Film
142. Medco Energy Corporation
143. Merck Indonesia
144. Metamedia Technology
145. Mitrarajasa
146. Multi Bintang Indonesia
147. Mulia Industrindo
148. Mulia Land
149. Multi polar
150. Matahari Putra Prima
151. Mustika Ratu
152. Metrodata Electronic
153. Metro Supermarket
154. Miwon Indonesia
155. Mayora Indah
156. Hanson Industri Utama
157. Apac Citra Centertex
158. Nippress
159. Indonesia prima Property
160. Panasia Filament
161. Panorama Sentra Wisata
162. Pan Brother Tex
163. Perusahaan Gas Negara
164. P & G Indonesia
165. Pelangi indah Canindo
166. Plaspack Prima Industry
167. Plaza Indonesia Realty
168. Pudjiaji and Sons estate
169. Polysindo Eka Perkasa
170. Prima Alloy Steel
171. Prashida Aneka Niaga
172. Putra Surya Perkasa
173. Petrosea
174. Putra Sejahtera Pioneer
175. Pudjiaji Prestige

176. Pakuwon Jati
177. Panca Wirama Sakti
178. Pyridam Farma
179. Ramayana Lestari
180. Ristia Bintang Mahkota
181. Roda Vivatex
182. Ricky Putra globalindo
183. Rig Tenders
184. Rimo Catur Lestari
185. Bentol International
186. Roda panggon Harapan
187. Ryane Adibusana
188. Steady Safe
189. Surabaya Agung Industry
190. Supreme Cable Manufacturing
191. Surya Citra Media
192. Schering Plough Indonesia
193. Millennium Pharmacon
194. Sari Husada
195. Sahid jaya Hotel
196. Surya Hidup Satwa
197. Surya Inti Permata
198. Siwani Makmur
199. Surya Intrindo Makmur
200. Sierad Produce
201. Sekar Laut
202. SMART Corporation
203. Semen Cibinong
204. Suryamas Duta Makmur
205. Samudra Indonesia
206. Semen Gresik
207. Summiplast Interbenua
208. Summarecon Agung
209. Selamat Sempurna
210. Sorini Corporation
211. Sona Topas Tourism
212. Suparma
213. Squibb Indonesia
214. Sarasa Nugraha
215. Surya Semesta
216. Sunson Textile
217. Siantar Top
218. Suba indah
219. Surya Dumai Industry
220. Sumalindo Lestari Jaya
221. Tunas Baru Lampung
222. Tembaga Mulia Semana
223. Mandom Indonesia
224. Texmaco Jaya
225. Tiga Raksa Satria
226. Tambang Timah
227. Tira Austenite
228. Tirta Mahakam Plywood
229. Toko Gunung Agung
230. Telekomunikasi Indonesia
231. Pelayaran tempuran Emas
232. Agis
233. Tempo Inti Media
234. Surya Toto Indonesia
235. Texmaco Perkasa
236. Trypolita Indonesia
237. Trafindo Perkasa
238. Trias Sentosa
239. Tempo Scan Pacific
240. Tunas Ridean
241. Wahana Jaya Perkasa
242. Ultra Jaya Milk
243. Bakri Sumatra Plant
244. United Tractors
245. Unilever
246. Voksel Electric
247. Wahana Phinix Mandiri
248. Wicaksana Overseas
249. Zebra Nusantara
250. Astra Argo Lestari
251. Abdi Bangsa
252. Adhi Karya

APPENDIX 6

No	mtb	size	nl	suspect	prodc	DisExp	CFO	mft	loca	debt	cl	ABCFO	ABDSXP	ABProd	abaccrual	ABCGS	susloca	susmft	susdeb	suscl
1533	0.133	9.661	-0.04	-118.1	0.944	0.0773	0.163	0	0.274	0.272	0.19	-0.044	-0.0045	0.178	0.07484	0.0833	-0.0094	0	-0.009	-0.01
1532	0.632	10.36	-0.04	-0.998	0.097	0.0496	0.237	0	0.354	0.301	0.194	-0.232	0.25832	0.0988	0.06013	0.0136	-0.0165	0	-0.014	-0.01
1528	1.661	12.42	0.099	-0.942	0.228	0.1054	0.032	0	0.254	0.49	0.198	0.188	-0.1044	-0.007	-0.27594	-0.127	0.0273	0	0.0527	0.021
1527	1.735	12.37	0.088	-0.817	0.149	0.0569	0.076	0	0.177	0.506	0.179	0.1871	-0.0904	0.0168	-0.24247	-0.093	0.0163	0	0.0464	0.016
1526	1.173	12.15	0.036	-0.806	0.383	0.0286	0.046	0	0.107	0.549	0.179	0.1222	-0.0857	0.0963	-0.11398	-0.002	0.004	0	0.0206	0.007
1525	1.319	12.17	0.03	-0.757	-0	0.0855	0.105	0	0.131	0.587	0.158	0.0645	-0.0893	-0.152	0.07691	0.0132	0.0043	0	0.0191	0.005
1522	0.077	9.532	0.012	-0.757	0.547	0.2606	0.2	0	0.116	0.688	0.446	0.1136	-0.0132	0.1222	-0.02978	0.0195	0.0018	0	0.0104	0.007
1521	0.074	9.506	0.015	-0.663	0.468	0.05	0.004	0	0.119	0.491	0.412	0.1349	0.01246	0.1183	-0.10751	-0.006	0.0018	0	0.0075	0.006
1520	0.096	9.624	0.036	-0.58	0.771	0.0576	0.031	0	0.199	0.443	0.383	0.0741	-0.0134	0.1353	-0.05104	0.0324	0.0072	0	0.016	0.014
1519	1.293	9.904	0.092	-0.571	0.69	0.2105	0.312	0	0.234	0.993	0.927	0.0607	-0.0174	-0.152	0.16012	0.057	0.0232	0	0.0985	0.092
1516	-0.18	10.69	-0.04	-0.549	1.206	0.5963	0.14	0	0.271	1.213	1.144	-0.164	-0.0369	0.2212	-0.29424	0.1701	-0.0106	0	-0.048	-0.04
1515	-1.25	11.49	0.087	-0.517	0.008	0.0112	-0.01	0	0.348	1.261	1.233	-0.203	-0.0863	0.3298	-0.29797	0.2011	0.0293	0	0.1064	0.104
1514	-0.55	11.24	-0.17	-0.502	0.716	0.1005	-0.11	0	0.276	1.202	1.173	-0.273	-0.327	0.2474	-0.51207	0.1954	-0.0399	0	-0.174	-0.17
1513	-1.61	11.45	-0.21	-0.499	0.015	0.0121	-0.01	0	0.285	1.111	0.375	-0.072	-0.3341	-1.294	-0.14442	0.2692	-0.0559	0	-0.218	-0.07
1510	0.201	10.19	-0.22	-0.477	1.473	0.6387	-0.25	0	0.815	0.605	0.487	-0.108	-0.1938	0.4242	-0.4187	0.1307	-0.2326	0	-0.173	-0.14
1509	0.207	10.19	-0.2	-0.466	0.463	0.1627	0.131	0	0.648	0.413	0.398	-0.115	-0.1976	0.3074	-0.37625	0.1701	-0.1562	0	-0.099	-0.1
1508	0.318	10.37	0.064	-0.462	0.341	0.0477	0.096	0	0.685	0.297	0.19	-0.303	-0.2038	0.3785	0.02203	0.1116	0.0654	0	0.0284	0.018
1507	1.174	10.65	0.07	-0.46	1.358	0.1609	0.095	0	1.153	1.699	1.009	-0.936	-0.5634	-1.264	0.1532	0.2162	0.3662	0	0.5394	0.32
1503	-0.2	10.21	0.027	-0.45	1.736	0.1133	0.134	1	0.494	1.072	0.257	-0.118	-0.1185	0.2917	-0.09769	0.1949	0.012	0.0242	0.026	0.006
1502	-0.27	10.4	0.043	-0.446	0.118	0.0317	0.069	1	0.474	1.099	0.249	-0.059	-0.1076	0.2501	-0.07845	0.1781	0.0184	0.0389	0.0427	0.01
1501	-0.49	10.56	0.037	-0.434	1.004	0.0726	0.249	1	0.571	1.28	1.28	0.0284	-0.1167	-0.114	0.03654	0.1662	0.0237	0.0415	0.0531	0.053
1498	1.314	12.44	0.38	-0.423	0.31	0.1029	6E-04	1	0.71	0.424	0.403	0.12	0.41719	-0.728	-0.43661	-0.872	0.2979	0.4194	0.178	0.169
1497	6.809	13.14	0.316	-0.421	0.417	0.5671	0.195	1	0.794	0.392	0.35	0.1397	0.37956	-0.635	-0.5071	-0.766	0.2898	0.3648	0.1432	0.128
1496	7.19	13.1	0.331	-0.41	0.631	0.1163	0.198	1	0.787	0.42	0.361	0.2053	0.32352	-0.674	-0.55856	-0.725	0.3099	0.3936	0.1653	0.142
1495	6.692	12.98	0.361	-0.41	1.084	0.104	-0.03	1	0.845	0.456	0.399	0.1743	0.29902	-2.2	0.12944	-0.754	0.3783	0.4478	0.2043	0.179
1492	1248	15.29	0.057	-0.398	0.616	0.5247	0.252	1	0.554	0.754	0.642	0.0489	-0.1404	0.1686	-0.23917	0.0948	0.0319	0.0577	0.0435	0.037
1491	0.397	11.67	0.051	-0.378	0.6	0.0598	0.112	1	0.491	0.735	0.617	0.0167	-0.1367	0.1718	-0.19963	0.0902	0.0228	0.0465	0.0342	0.029
1490	0.62	11.75	0.037	-0.378	1.406	0.2155	0.366	1	0.62	1.021	0.543	0.0178	-0.1445	0.1607	-0.27282	0.0392	0.0271	0.0437	0.0446	0.024
1489	1.059	11.82	0.001	-0.369	1.071	0.2509	0.38	1	0.61	1.09	0.302	0.0175	-0.144	-0.38	-0.04547	-0.006	0.0008	0.0014	0.0015	4E-04
1486	1.444	11.16	0.095	-0.365	1.395	0.7157	0.498	0	0.119	0.869	0.234	0.0621	-0.076	0.1144	-0.03215	0.0087	0.0111	0	0.0812	0.022
1485	1.968	10.57	0.089	-0.358	1.804	0.1971	0.323	0	0.09	0.921	0.234	0.0315	-0.0807	0.1504	0.02898	0.0439	0.0075	0	0.0769	0.02
1484	-0.74	10.63	-0.08	-0.334	0.685	0.1756	0.142	0	0.085	1.092	0.185	0.0322	-0.0807	0.1719	-0.06592	0.0613	-0.0068	0	-0.087	-0.01
1483	4.958	10.83	-0.22	-0.326	0.864	0.1196	0.038	0	0.069	0.959	0.195	0.0266	-0.0881	-0.034	-0.13785	0.0843	-0.0146	0	-0.204	-0.04
1479	2.196	12.06	0.019	-0.319	1.391	0.7658	0.426	1	0.2	0.507	0.182	0.0053	-0.0645	0.1433	0.02712	0.0389	0.0039	0.0195	0.0099	0.004
1478	2.657	12.13	0.031	-0.315	1.04	0.5648	0.064	1	0.352	0.655	0.206	-0.043	-0.1028	0.1706	0.01716	0.0715	0.0151	0.043	0.0282	0.009
1477	4.749	12.35	0.042	-0.314	1.414	0.6929	0.321	1	0.275	0.33	0.178	-0.003	-0.0953	-0.035	0.12259	0.0651	0.0118	0.0428	0.0141	0.008
1473	0.085	10.89	-0.06	-0.308	0.683	0.2657	-0.08	1	0.038	0.311	0.135	-0.051	-0.0876	0.2525	0.10215	0.144	-0.0018	-0.049	-0.015	-0.01
1472	1.322	11.18	0.111	-0.307	0.921	0.1164	-0.03	1	0.062	0.949	0.4	0.0036	-0.0834	0.238	0.21563	0.133	0.007	0.1117	0.106	0.045
1471	0.579	11.26	0.025	-0.286	0.733	0.2492	0.183	1	0.177	0.949	0.357	-0.011	-0.0916	0.1381	0.17073	0.1161	0.0051	0.0286	0.0272	0.01
1468	0.89	11.62	0.055	-0.285				1	0.703	0.915	0.296	-0.412	-0.2655	0.3299	-0.1929	0.259	0.0519	0.0739	0.0676	0.022
1461	1.24	12.27	0.174	-0.285	0.019	3.0993	-2.31	1	0.742	0.192	0.185	0.0889	0.07057	-0.151	-0.17967	-0.239	0.141	0.1901	0.0365	0.035
1460	1.096	12.17	0.19	-0.28	0.688	0.1979	0.048	1	0.829	0.231	0.221	0.1116	0.10674	-0.148	-0.19497	-0.28	0.1838	0.2219	0.0513	0.049
1459	1.249	12.14	0.243	-0.278	1.211	0.1272	0.194	1	0.883	0.296	0.268	0.2783	0.05682	-1.005	0.03952	-0.326	0.2831	0.3207	0.0949	0.086
1455	0.593	11.56	0.145	-0.277	1.556	1.3955	0.524	1	0.358	0.588	0.419	0.103	-0.1094	0.1421	0.02158	0.0488	0.0514	0.1434	0.0844	0.06
1454	0.406	11.21	0.194	-0.272	0.462	0.034	-0.09	1	0.342	0.701	0.621	0.0993	-0.1101	0.1462	0.07181	0.0452	0.0627	0.1835	0.1286	0.114
1453	1.806	11.26	-0.1	-0.265	0.689	0.0756	0.085	1	0.33	1.039	1.038	0.0732	-0.1055	-0.017	-0.0879	0.0388	-0.0364	-0.11	-0.115	-0.11
1437	22.31	12.79	-0.12	-0.265	0.301	0.0415	0.03	1	0.043	0.816	0.303	0.0087	-0.0746	0.2117	0.03366	0.1437	-0.0044	-0.103	-0.084	-0.03
1436	-9.86	12.69	-0.07	-0.258	0.905	0.2712	0.13	1	0.104	1.127	0.572	0.0072	-0.0781	0.241	0.07573	0.1374	-0.0071	-0.068	-0.077	-0.04
1435	-34	12.78	-0.1	-0.257	0.39	0.0423	0.006	1	0.101	1.061	0.515	0.0221	-0.0791	0.214	0.03152	0.1431	-0.0104	-0.104	-0.11	-0.05
1432	1.782	11.36	0.057	-0.257	0.693	0.0479	0.005	1	0.435	0.772	0.465	-0.88	-0.9382	-6.459	-1.63448	-6.568	0.025	0.0574	0.0443	0.027
1431	2.535	11.44	0.125	-0.257	0.766	0.0272	0.074	1	0.435	0.874	0.436	0.0494	-0.0567	0.0914	-0.02235	-0.034	0.059	0.1355	0.1185	0.059
1430	7.059	11.44	0.03	-0.251	1.631	0.3216	-0	1	0.485	1.192	0.559	0.043	-0.0273	0.0198	-0.16626	-0.105	0.019	0.0392	0.0467	0.022
1429	9.436	11.48	-0.14	-0.25	0.363	0.0529	0.301	1	0.375	0.941	0.575	0.1537	-0.0673	-0.26	-0.27627	-0.057	-0.0537	-0.143	-0.135	-0.08
1426	0.676	10.76	-0.08	-0.247	1	0.0653	0.065	0	0.269	0.297	0.265	-0.023	0.20634	0.0473	-0.22111	-0.073	-0.0232	0	-0.026	-0.02
1425	1.285	11.09	-0.06	-0.247	0.4	0.2203	0.049	0	0.215	0.192	0.155	-0.025	0.15937	0.0692	-0.13752	-0.04	-0.013	0	-0.012	-0.01
1424	1.411	11.16	0.049	-0.246	1.707	0.1081	-0.14	0	0.263	0.108	0.108	0.0008	0.05074	0.1	-0.00689	-0.017	0.0139	0	0.0057	0.006
1423	2.239	11.34	-0.02	-0.244	1.128	0.2722	0.23	0	1.61	0.326	0.321	-0.34	0.33504	-1.057	0.53384	0.0735	-0.1226	0	-0.025	-0.02
1420	0.388	11.13	0.024	-0.243	1.741	0.1906	-0.04	0	0.587	0.305	0.293	-0.111	-0.0453	0.2656	-0.05289	0.143	0.0155	0	0.0081	0.008
1414	1.451	11.41	0.119	-0.241	1.033	0.1621	0.232	0	0.245	0.62	0.25	0.1576	-0.1454	0.1047	-0.0917	0.0031	0.0507	0	0.1284	0.052
1408	3.237	13.83	0.121	-0.241				0	0.218	0.691	0.265	0.2505	-0.109	-0.333	-0.16772	-0.436	0.0314	0	0.0994	0.038
1407	2.006	13.59	0.197	-0.237	1.37	0.0569	0.104	0	0.338	0.708	0.334	0.2668	-0.1122	-0.351	-0.02114	-0.451	0.0869	0	0.1819	0.086
1406	3.055	13.51	0.131	-0.233	0.013	0.4655	-0.21	0	0.228	0.684	0.315	0.182	-0.1021	-0.215	-0.03469	-0.318	0.0303	0	0.0908	0.042
1405	1.314	13.32	0.013	-0.226	0.156	0.0308	0.097	0	3.507	5.548	1.535	2.0471	-0.2635	-5.175	-1.44364	-3.415	0.4992	0	0.7898	0.219
1402	1.577	10.15	0.008	-0.226	0.439	0.6306	0.149	0	0.247	0.534	0.494	-0.579	-0.1126	0.4803	-0.87211	0.4845	0.0012	0	0.0026	0.002
1401	2.552	10.32	-0.08	-0.221	0.451	0.7128	0.139	0	0.381	0.985	0.575	-0.637	-0.0936	0.5394	-1.13161	0.471	-0.0304	0	-0.079	-0.05
1400	1.348	10.41	0.002	-0.219	0.063	0.0305	0.007	0	0.463	0.984	0.526	-0.47	-0.0659	0.4172	-0.83789	0.2416	0.001	0	0.0022	0.001
1399	1.026	10.29	0.044	-0.217	0.635	0.4498	0.213	0	0.466	0.931	0.444	-0.102	-0.0416	-1.6	0.01987	0.1289	0.0225	0	0.045	0.021
1396	0.692	11.07	0.012	-0.214	-0.01	0	0.064	1	0.495	0.892	0.535	-0.08	-0.1414	0.2522	-0.06379	0.1584	0.0077	0.0156	0.0139	0.008
1395	0.69	10.99	0.029	-0.214	1.21	0.189	0.042	1	0.586	0.779	0.563	-0.078	-0.1525	0.2642	-0.1024	0.1737	0.0201	0.0342	0.0267	0.019
1394	0.771	10.97	0.031	-0.213	0.081	0.0479	0.007	1	0.644	0.758	0.674	-0.102	-0.1789	0.4002	-0.15469	0.1586	0.0238	0.037	0.0281	0.025
1393	1.003	11.07	0.045	-0.212	0.966	0.2169	0.206	1	0.92	0.908	0.727	0.0355	-0.2227	-0.658	0.01275	0.0925	0.0649	0.0706	0.064	0.051
1390	0.549	10.82	0.009	-0.206	1.495	1.5345	0.323	1	0.5	0.825	0.426	0.3743	0.16222	-0.084	-0.5474	-0.201	0.0068	0.0135	0.0111	0.006
1389	1.708	11.05	0.018	-0.205	0.56	0.2331	0.426	1	0.621	1.25	0.998	-0.056	0.13251	-0.084	-0.11352	-0.132	0.0206	0.0331	0.0414	0.033
1388	1.572	11	0.062	-0.201	3E-04	0.0491	0.304	1	0.659	0.423	0.36	-0.242	0.13611	0.0356	0.07903	-0.168	0.0432	0.0656	0.0277	0.024
1387	1.689	10.98	-0.13	-0.199	1.265	0.2674	0.23	1	0.676	0.475	0.364	-0.333	0.13296	-0.518	0.2095	-0.128	-0.0961	-0.142	-0.068	-0.05
1383	0.117	11.24	0.006	-0.199	0.3	0.0328	0.037	0	0.617	0.235	0.214	-0.077	-0.0987	0.3738	-0.10628	0.1337	0.0036	0	0.0014	0.001
1382	0.145	11.34	0.019	-0.196	2.112	0.4738	-0.04	0	0.483	0.208	0.181	0.0102	-0.0941	0.1527	-0.15535	0.0432	0.0086	0	0.0037	0.003
1381	0.432	11.84	0.161	-0.188	0.87	0.08	0.122	0	0.627	0.265	0.24	0.0449	-0.0726	-0.541	0.23723	-0.111	0.1197	0	0.0506	0.046
1378	0.987	11.45	0.082	-0.186	1.186	0.6284	-0.02	0	0.737	0.552	0.436	-0.351	-0.0107	0.29	-0.20294	0.1716	0.0574	0	0.043	0.034

1377	0.738	11.41	0.042	-0.185	1.115	0.1989	0.193	0	0.751	0.591	0.472	-0.294	-0.0636	0.2937	-0.35562	0.1076	0.0365	0	0.0287	0.023
1376	1.067	11.54	0.073	-0.183	0.001	0.0402	0.219	0	0.689	0.531	0.419	-0.253	-0.0943	0.4247	-0.36245	0.1401	0.0559	0	0.0431	0.034
1375	0.734	11.42	0.028	-0.182	0.7	0.0717	0.22	0	0.688	0.423	0.309	-0.043	-0.0786	-1.126	-0.03838	0.0957	0.0227	0	0.014	0.01
1371	-1.34	12.03	-0.16	-0.181	0.979	0.1261	0.121	1	0.421	1.613	1.001	-0.324	-0.0133	0.3899	0.14134	0.2572	-0.061	-0.145	-0.234	-0.14
1370	-1.7	12.03	-0.22	-0.18	1.032	0.0947	-0.03	1	0.417	1.497	1.11	-0.004	0.00438	0.3392	-0.28243	0.2662	-0.0893	-0.214	-0.32	-0.24
1369	-2.91	12.03	-0.28	-0.179	0.077	0.0164	0.029	1	0.345	1.193	0.849	0.0218	-0.0341	-0.066	-0.15103	0.2793	-0.0888	-0.257	-0.307	-0.22
1366	1.07	11.56	0.162	-0.177	1.124	0.2442	0.242	1	0.538	0.123	0.092	-9E-04	0.15686	-0.249	-0.2483	-0.333	0.0945	0.1755	0.0216	0.016
1365	0.771	11.37	0.163	-0.174	0.269	0.1243	0.145	1	0.492	0.147	0.124	0.064	0.11319	-0.186	-0.28464	-0.277	0.0799	0.1625	0.0239	0.02
1364	1.237	11.52	0.131	-0.17	0.581	0.2027	0.338	1	0.526	0.278	0.256	0.0366	0.04157	-0.014	-0.26425	-0.18	0.0737	0.1403	0.039	0.036
1363	1.615	11.59	0.159	-0.165	0.01	0	0.107	1	0.709	0.373	0.344	0.0765	0.04706	-1.136	0.08137	-0.307	0.1523	0.2148	0.0801	0.074
1360	0.349	10.61	0.014	-0.164	0.082	0.0117	0.124	1	0.707	0.778	0.772	-0.304	-0.2305	0.3282	-0.15619	0.305	0.0099	0.014	0.0109	0.011
1359	0.304	10.52	0.037	-0.164	2.036	0.0936	0.234	1	0.683	0.743	0.741	-0.128	-0.2057	0.3997	-0.23595	0.2707	0.0232	0.034	0.0252	0.025
1358	0.821	10.87	0.031	-0.16	0.535	0.0595	0.015	1	0.995	1.04	1.04	-0.223	-0.2639	0.4281	-0.29723	0.2462	0.0379	0.0381	0.0396	0.04
1357	0.685	10.7	0.014	-0.159	0.639	0.3704	0.096	1	1.037	1.059	1.059	0.008	-0.2425	-0.625	-0.16319	0.1727	0.0178	0.0172	0.0182	0.018
1353	0.481	11.36	0.041	-0.155	0.455	0.2334	0.033	1	0.211	0.578	0.206	-0.06	-0.0923	0.1908	-0.0057	0.0859	0.0094	0.0444	0.0257	0.009
1352	1.122	11.69	-0.01	-0.153	5.163	0.6429	0.007	1	0.214	0.784	0.252	0.0418	-0.1493	0.1858	-0.1958	0.134	-0.0024	-0.011	-0.009	-0
1351	4.299	11.8	0.003	-0.152	1.9	0.2101	0.578	1	0.331	0.67	0.122	0.0499	-0.1624	-0.438	0.05505	0.0933	0.0008	0.0024	0.0016	3E-04
1347	-0.1	10.45	0.099	-0.145	0.849	0.0843	0.075	1	0.218	1.069	1.065	-0.02	-0.0923	0.3331	0.06059	0.2202	0.0194	0.0892	0.0954	0.095
1346	-0.44	10.77	0.219	-0.145	0.575	0.1217	0.123	1	0.184	0.945	0.938	-0.007	-0.1021	0.2509	0.17747	0.1775	0.0352	0.1909	0.1803	0.179
1345	0.534	11.07	0.171	-0.145	1.046	0.1622	0.43	1	0.223	0.878	0.874	0.0247	-0.104	-0.013	0.25097	0.1367	0.0381	0.1708	0.1499	0.149
1342	8.368	11.58	0.02	-0.143	1.311	1.7759	0.301	1	0.725	0.338	0.335	-0.144	-0.1135	0.3092	-0.09598	0.1321	0.0162	0.0224	0.0076	0.007
1336	-3.75	11.98	0.209	-0.143	1.909	0.1329	0.051	1	0.091	0.828	0.574	-0.012	-0.0768	0.2291	0.19814	0.1598	0.0123	0.1344	0.1112	0.077
1335	-1.9	12.05	-0.24	-0.143	0.095	0.0204	0.02	1	0.181	1.357	0.612	-0.002	-0.1017	0.226	-0.21595	0.12	-0.0408	-0.226	-0.307	-0.14
1334	-2.71	12.12	-0.19	-0.142	1.214	0.103	0.137	1	0.132	1.276	1.171	0.0202	-0.0856	0.2141	-0.16961	0.1235	-0.0238	-0.18	-0.23	-0.21
1333	-3.37	11.86	-0.35	-0.138	-0.09	0.0865	0.066	1	0.122	0.913	0.833	0.0249	-0.1	-0.003	-0.19043	0.1073	-0.0343	-0.28	-0.256	-0.23
1329	0.053	10.46	-0.03	-0.134	0.129	0.0843	0.004	1	0.05	0.471	0.138	0.0197	-0.0714	0.2228	0.10843	0.116	-0.0015	-0.03	-0.014	-0
1328	0.121	10.81	0.005	-0.129	1.039	0.2695	0.185	1	0.102	0.342	0.078	-0.03	-0.0601	0.2065	0.14593	0.0981	0.0007	0.0066	0.0023	5E-04
1327	0.37	11.11	-0.01	-0.128	1.779	0.0524	0.107	1	0.897	3.491	0.949	-7E-04	0.01765	-0.57	0.07434	-3E-04	-0.0497	-0.055	-0.193	-0.05
1324	0.785	11.37	0.062	-0.128	0.077	0.0174	-0.02	1	0.499	0.436	0.353	-0.211	-0.0919	0.1587	-0.05694	0.0581	0.0331	0.0663	0.0289	0.023
1323	1.265	11.53	0.064	-0.127	0.737	0.158	0.19	1	0.537	0.498	0.42	-0.107	-0.0754	0.2895	-0.17255	0.0517	0.0402	0.0749	0.0373	0.031
1322	1.47	11.55	0.055	-0.127	0.687	0.6519	0.374	1	0.471	0.481	0.405	0.0397	-0.1172	0.1441	-0.31241	0.0705	0.0308	0.0654	0.0314	0.027
1321	1.752	11.58	0.104	-0.126	0.78	0.4566	0.085	1	6.119	0.535	0.431	-0.106	-0.1031	-0.432	0.08465	-0.021	0.9373	0.1532	0.0819	0.066
1318	0.345	11.07	0.009	-0.124	1.184	0.5856	-0.31	1	0.43	0.708	0.406	-0.054	-0.1097	0.2657	0.00917	0.1443	0.0046	0.0106	0.0075	0.004
1317	0.25	10.88	0.028	-0.124	0.289	0.0683	0.033	1	0.383	0.625	0.293	-0.008	-0.1199	0.2258	-0.02273	0.1409	0.0106	0.0277	0.0173	0.008
1316	1.091	11.45	0.014	-0.122	1.745	0.0764	0.131	1	0.424	0.707	0.304	-0.047	-0.1237	0.2168	-0.05301	0.0905	0.006	0.0141	0.0099	0.004
1315	1.558	11.59	-0.05	-0.116	3.561	0.3234	0.043	1	0.434	0.776	0.334	0.0438	-0.1234	-0.294	-0.03347	0.0469	-0.0265	-0.061	-0.047	-0.02
1312	0.671	11.4	-0.01	-0.116	3.481	0.2006	0.021	0	0.15	0.66	0.282	-0.039	-0.0875	0.2172	-0.03256	0.1151	-0.0011	0	-0.005	-0
1311	0.19	10.87	0.042	-0.115	2.197	0.2524	0.077	0	0.136	0.745	0.272	-0.014	-0.0675	0.2065	0.0497	0.1042	0.0056	0	0.031	0.011
1310	0.293	10.98	-0.06	-0.112	0.486	0.6341	-0.24	0	0.147	0.797	0.478	-0.018	-0.0695	0.194	-0.03432	0.0917	-0.0084	0	-0.046	-0.03
1309	0.383	11.19	-0.08	-0.11	2.977	0.2704	0.124	0	0.122	0.789	0.499	0.0361	-0.0719	0.1035	-0.07214	0.0974	-0.0102	0	-0.066	-0.04
1306	3.387	11.3	-0.29	-0.11	2.574	0.2341	-0.02	1	0.403	0.485	0.188	-0.093	-0.0491	0.2829	-0.46542	0.3364	-0.0994	-0.247	-0.12	-0.05
1305	1.266	11	-0.1	-0.108	0.517	0.2481	0.075	1	0.595	0.483	0.215	-0.257	-0.0875	0.3253	-0.2083	0.234	-0.0541	-0.091	-0.044	-0.02
1304	1.393	11.12	0.081	-0.106	0.504	0.1122	0.174	1	0.739	0.493	0.162	-0.023	-0.1292	0.2639	-0.37662	0.0831	0.062	0.0839	0.0413	0.014
1303	2.543	11.31	0.028	-0.104	3.702	0.7717	-0.49	1	0.793	0.653	0.212	0.4377	-0.1412	-1.013	-0.58504	-0.005	0.0267	0.0336	0.022	0.007
1299	0.106	10.01	0.15	-0.104	1.423	0.0979	0.051	1	0.798	0.33	0.322	0.0196	0.30169	-0.456	-0.3459	-0.574	0.1435	0.1798	0.0594	0.058
1298	1.409	10.99	0.129	-0.104	-0	0.048	0.322	1	0.608	0.345	0.292	-0.466	0.22453	-0.378	0.22737	-0.357	0.0722	0.1187	0.041	0.035
1297	-0.81	10.38	-0.1	-0.103	0.023	0.009	0.005	1	1.091	1.788	1.505	-0.056	0.27231	-0.99	-0.13767	-0.383	-0.1578	-0.145	-0.259	-0.22
1294	0.895	11.3	0.011	-0.103	0.434	0.536	0.112	1	0.217	0.776	0.064	0.1181	30.6322	0.2335	-0.09789	0.107	0.0023	0.0108	0.0084	7E-04
1293	0.377	10.9	-0.06	-0.102	1.615	0.2481	0.154	1	0.218	0.803	0.803	0.1014	-0.1025	0.2095	-0.13248	0.1063	-0.0121	-0.055	-0.044	-0.04
1292	-0.83	10.87	-0.06	-0.102	2.618	0.5429	-0.06	1	0.246	1.154	0.971	0.1307	-0.1084	0.1766	-0.18974	0.0989	-0.0154	-0.062	-0.072	-0.06
1291	-3.62	11.02	-0.17	-0.101	0.905	0.4688	0.107	1	0.208	1.065	0.875	0.1839	-0.1153	-0.115	-0.25078	0.1007	-0.0372	-0.179	-0.19	-0.16
1288	0.359	10.67	0.028	-0.101	0.22	0.2074	-0.04	0	0.316	0.675	0.338	0.1214	0.07519	0.1048	-0.05481	-0.028	0.0094	0	0.02	0.01
1287	0.307	10.56	0.054	-0.1	0.145	0.2838	0.021	0	0.287	0.611	0.224	0.0357	0.12098	-0.009	-0.0132	-0.039	0.0143	0	0.0305	0.011
1286	0.896	10.95	0.017	-0.1	0.272	0.0488	0.055	0	0.322	0.714	0.204	0.0131	0.09954	0.0016	-0.08017	-0.117	0.0054	0	0.012	0.003
1285	1.369	11.11	0.007	-0.099	0.27	0.227	0.05	0	0.433	0.846	0.274	0.0803	0.04889	-0.282	-0.04146	-0.118	0.0034	0	0.0067	0.002
1282	0.408	11.13	0.062	-0.098	1.254	0.3145	-0.15	1	0.463	0.354	0.227	-0.029	-0.0644	0.2342	-0.01791	0.0844	0.0272	0.0586	0.0208	0.013
1281	0.304	10.95	0.046	-0.096	0.372	0.1899	0.057	1	0.425	0.442	0.268	0.0336	-0.0743	0.1584	-0.10967	0.0605	0.0184	0.0432	0.0191	0.012
1280	0.264	10.84	1.49	-0.095	0.599	0.2358	0.07	1	0.28	0.397	0.179	0.1083	-0.0763	0.1299	0.86811	0.0201	0.2919	1.0423	0.4135	0.186
1279	-0.07	10.69	-0.36	-0.093	0.277	0.0228	0.078	1	0.548	1.996	1.89	0.0112	-0.0864	-0.105	-0.33471	0.0401	-0.2246	-0.41	-0.817	-0.77
1276	0.817	11.54	0.076	-0.092	26.36	1.5731	2.036	1	0.626	0.362	0.153	-0.007	-0.1001	0.3326	-0.10972	0.0069	0.0514	0.0621	0.0297	0.013
1275	0.902	11.57	0.069	-0.092	0.399	0.023	0.083	1	0.534	0.306	0.099	0.1095	-0.1052	-0.031	-0.23108	0.0162	0.0378	0.0709	0.0217	0.007
1274	1.195	11.67	0.096	-0.091	1.002	0.1685	-0.02	1	0.51	0.332	0.118	0.0937	-0.1071	0.2232	-0.18352	-0.037	0.0526	0.1031	0.0342	0.012
1273	1.509	11.72	0.111	-0.091	0.709	0.5055	0.304	1	0.835	0.611	0.246	0.1492	-0.1176	-0.76	0.01056	-0.105	0.1623	0.1944	0.1189	0.048
1270	2	12.03	0.084	-0.09	0.051	0.0543	0.102	0	0.064	0.091	0.091	0.0214	-0.0808	0.1946	0.05051	0.0913	0.0008	0	0.0011	0.001
1269	0.02	11.27	0.009	-0.089	0.043	0.0187	-0	0	0.656	0.712	0.543	0.1536	-0.0542	-0.067	-0.03833	-0.085	0.0775	0	0.0841	0.064
1268	282.9	14.01	0.297	-0.088	5.434	0.3306	-0	0	0.485	0.456	0.371	0.0554	-0.069	0.0548	0.20076	-0.073	0.1316	0	0.1238	0.101
1267	540	13.76	0.036	-0.088	0.399	0.4999	-0	0	0.475	1.004	0.938	0.2314	-0.077	-0.158	-0.15122	-0.084	0.0201	0	0.0425	0.04
1264	1.264	11.15	0.008	-0.087	0.291	0.0234	0.078	1	0.323	0.457	0.408	-0.07	-0.132	0.2898	-0.07481	0.1749	0.0029	0.009	0.0041	0.004
1263	1.463	11.21	-0.02	-0.087	1.044	0.1636	0.208	1	0.217	0.257	0.23	-0.045	-0.1053	-32.59	-0.03874	0.1606	-0.0029	-0.013	-0.003	-0
1262	1.501	11.23	0.043	-0.086	0.17	0.1052	-0	1	0.308	0.449	0.392	-0.007	-0.1158	33.194	-0.07085	0.0779	0.0133	0.0433	0.0194	0.017
1261	1.504	11.22	0.073	-0.085	4.81	0.2962	0.225	1	0.822	0.685	0.584	0.3061	-0.036	0.4649	0.14995	0.9568	0.0901	0.1096	0.0751	0.064
1258	1.019	12.67	0.06	-0.085	1.234	0.121	0.12	1	0.359	0.3	0.27	0.0888	-0.0316	0.0299	-0.1192	-0.053	0.0206	0.0575	0.0172	0.016
1257	0.961	12.68	0.039	-0.085	0.621	0.1294	0.103	1	0.279	0.218	2E-04	0.0479	-0.0577	0.1221	-0.06374	0.0056	0.0086	0.0307	0.0067	6E-06
1256	1.018	12.51	0.036	-0.084	2.714	0.1766	0.033	1	5E-04	0.741	0.425	0.0534	-0.047	0.0759	-0.05683	-0.037	2E-05	0.0423	0.0313	0.018
1255	1.131	12.54	0.046	-0.084	1.647	0.1984	0.028	1	0.316	0.619	0.164	0.0557	-0.0568	-0.173	0.10016	-0.009	0.015	0.0476	0.0295	0.008
1252	0.476	11.77	0.021	-0.083	0.498	0.0876	0.261	0	0.431	0.391	0.25	-0.071	-0.1442	0.2681	-0.2174	0.1653	0.0089	0	0.0081	0.005
1251	0.308	11.58	0.04	-0.082	0.728	0.4393	0.094	0	0.422	0.362	0.212	-0.026	-0.1428	0.242	-0.22667	0.1404	0.0149	0	0.0128	0.007
1250	0.36	11.66	0.036	-0.08	0.226	0.0507	0.121	0	0.491	0.489	0.297	-0.02	-0.1745	0.2891	-0.28582	0.1874	0.0189	0	0.0189	0.011
1249	0.296	11.53	0.047	-0.08	0.897	0.5459	0.406	0	0.668	0.686	0.42	0.103	-0.1865	-0.658	-0.09199	0.1396	0.0449	0	0.0481	0.028
1246	-0.18	10.63	0.004	-0.08	0.475	0.321	0.029	0	0.058	1.106	0.199	0.0196	-0.0753	0.2125	0.05409	0.11	0.0003	0	0.0049	9E-04

1245	-0.11	10.42	0.016	-0.078	0.144	0.0783	-0.01
1244	43.79	10.84	-0.01	-0.078	0.338	0.4153	-0.26
1243	-0.32	10.9	-0.25	-0.077	0.612	0.0922	0.281
1240	1.168	12.49	0.023	-0.076	0.6	0.0359	0.087
1237	-0.06	11.7	1.018	-0.075	1.218	0.1017	0.165
1234	-3.71	11.96	0.019	-0.074	0.872	0.1461	0.095
1233	-0.67	11.32	0.079	-0.074	1.611	0.2007	-0.14
1232	-0.42	11.38	-0.15	-0.073			
1231	61.84	11.92	-0.14	-0.072	0.971	0.3521	0.06
1227	-0.09	10.48	0.349	-0.071	1.271	0.3489	0.18
1226	-0.08	10.48	-0.61	-0.071	0.072	0.0787	0.097
1225	-0.13	10.62	-0.95	-0.069	1.067	0.2335	0.09
1221	0.195	10.16	-0.06	-0.068	0.35	0.0473	0.033
1220	1.027	10.6	-0.23	-0.067	0.845	0.1611	0.102
1219	-0.04	10.84	-0.29	-0.066	4.472	0.5386	-0.02
1215	15.98	11.7	0.098	-0.066	0.691	0.3376	-0.14
1214	4.234	11.81	0.018	-0.066	0.584	0.0496	0.07
1213	3.728	11.71	0.076	-0.065	0.057	0.0383	0.078
1210	0.517	10.29	-0.55	-0.065	0.504	0.0368	0.085
1209	0.269	10.26	0.013	-0.064	1.303	0.4372	0.303
1208	0.341	10.36	0.039	-0.064	0.056	0.0367	0.095
1207	0.172	10.05	0.107	-0.064	0.882	0.3234	-0.06
1204	0.322	11.05	0.022	-0.063	0.388	0.0331	0.059
1203	0.117	10.59	3E-05	-0.063	1.233	0.1577	0.246
1202	0.179	10.78	-0.01	-0.062	0.994	0.0626	0.237
1201	0.258	10.97	0.021	-0.062	33.6	0.0528	0.057
1197	0.195	11.38	0.055	-0.061	0.6	0.4991	0.174
1196	0.318	11.29	0.024	-0.061	0	0.0207	0.25
1195	0.046	10.32	-0	-0.059	0.075	0.0249	-0
1191	0.648	10.99	0.095	-0.059	0.878	0.1635	0.085
1189	1.005	11.18	-0.1	-0.057	1.234	0.1429	0.197
1186	2.794	12.44	0.197	-0.057	-32.3	0.0479	0.003
1185	2.248	12.27	0.19	-0.055	0.424	0.1265	0.251
1184	2.496	12.23	0.282	-0.055	1.107	0.1145	0.096
1183	1.804	11.92	0.242	-0.054	0.855	0.0689	0.268
1180	1.234	10.71	0.04	-0.05	0.356	0.0697	0.103
1179	1.986	10.86	-0.04	-0.049	2.272	0.1276	0.062
1178	3.142	10.78	-0.13	-0.049	2.3	0.0993	0.36
1174	52.69	10.49	0.041	-0.049	0.691	0.3793	0.178
1173	6.777	10.33	-0.02	-0.049	0.311	0.0436	0.07
1172	21.25	10.95	-0.15	-0.047	0.375	0.2009	0.046
1171	3.113	10.64	-0.09	-0.047	0.651	0.4764	-0.32
1168	1.005	12.07	0.036	-0.046	1.609	0.1653	0.17
1161	0.813	11.32	0.141	-0.045	0.594	0.0345	0.176
1160	1.028	11.31	0.028	-0.045	0.393	0.0521	0.045
1159	0.984	11.31	1.161	-0.044	0.045	0.0265	0.04
1156	-0.01	10.28	-0.02	-0.042	0.388	0.2129	0.111
1155	-0.02	10.37	0.01	-0.041	0.314	0.0332	0.024
1154	-0.02	10.34	-0.26	-0.041	4.024	0.5335	0.035
1153	-0.03	10.49	-0.31	-0.04	0.272	0.1411	0.15
1150	6.631	11.01	0.011	-0.039	3.807	0.3755	0.134
1149	3.449	10.63	5.885	-0.039	0.772	0.2655	0.263
1148	-0.01	10.43	-0.08	-0.039	0.387	0.2965	0.058
1147	-0.02	10.7	-1.97	-0.039	0.338	0.0464	0.049
1144	0.327	10.14	-0.37	-0.038	0.947	0.0936	0.242
1143	0.044	9.439	0.019	-0.037	0.114	0.013	-0.01
1142	6.214	11.59	0.083	-0.036	0.01	0.1134	0.034
1138	0.932	10.83	-0.02	-0.035	0.375	0.0558	0.077
1137	0.36	10.42	-0	-0.034	1.504	0.2031	0.094
1132	0.572	11.78	-0.01	-0.034	1.307	0.8047	0.408
1131	0.768	11.93	0.049	-0.033	-0.09	0.2968	2.341
1130	0.756	11.88	0.088	-0.03			
1126	0.348	10.53	-0.1	-0.03			
1125	0.269	10.49	-0.07	-0.028	2.274	0.138	0.158
1124	0.4	10.71	0.028	-0.027	0.488	0.136	0.076
1123	0.92	11.06	0.064	-0.027	0.898	0.4509	-0.33
1120	0.843	11.57	0.064	-0.027	0.617	0.0479	-0.23
1119	0.483	11.33	0.025	-0.026	0.496	0.3301	0.042
1118	0.401	11.27	0.216	-0.025	1.054	0.4469	0.415
1117	0.442	11.23	0.329	-0.025	1.36	0.5512	0.408
1112	22.83	11.64	-0.15	-0.024	1153	60.015	46.71
1111	7.031	11.64	-0.11	-0.022	0.299	0.092	0.041
1108	0.934	11.38	0.022	-0.019	1.381	0.1679	-0.1
1107	1.063	11.43	0.03	-0.019	1.405	0.1881	0.054
1106	1.209	11.5	0.023	-0.018	0.885	0.0615	0.02
1105	1.091	11.45	0.076	-0.018	0.379	0.1269	0.251
1102	0.101	10.29	-0.01	-0.017	0.987	0.5662	0.231
1096	3.991	12.78	0.12	-0.017	0.002	0.0226	0.141
1095	2.282	12.55	0.131	-0.017	0.746	0.2955	0.335
1094	3.186	12.57	0.143	-0.015	1.125	0.3083	0.201

0	0.053	0.997	0.613	0.0087	-0.0755	0.2103	0.07459	0.1079	0.0007	0	0.0139	0.009
0	0.063	1	0.102	0.0145	-0.0745	0.2115	0.04675	0.1091	-0.0006	0	-0.01	-0
0	0.096	1.211	0.103	0.0222	-0.0771	0.201	-0.22269	0.106	-0.0261	0	-0.33	-0.03
1	0.111	0.647	0.044	0.0284	-0.0868	0.2293	0.06011	0.1255	0.0025	0.0226	0.0146	1E-03
1	0.067	1.663	1.64	0.047	-0.0945	0.1446	0.8474	0.1298	0.0515	0.7706	1.2819	1.264
1	0.267	1.086	0.476	-0.036	-0.1095	0.2696	-0.14231	0.1323	0.0052	0.0195	0.0212	0.009
1	0.234	0.996	0.383	-0.026	-0.1043	0.2108	-0.05861	0.0946	0.0169	0.0722	0.0719	0.028
1	0.191	1.138	0.606	-0.022	-0.0963	0.1867	-0.20411	0.0868	-0.0292	-0.153	-0.174	-0.09
1	0.237	1.409	0.631	0.0189	-0.127	-0.47	-0.0902	0.1148	-0.0471	-0.199	-0.28	-0.13
1	0.406	3.66	1.563	-0.15	0.02292	0.1929	0.22416	0.0955	0.1341	0.3305	1.2093	0.516
1	0.384	3.655	3.545	-0.074	0.02535	0.1799	-0.72654	0.1073	-0.2108	-0.549	-2.007	-1.95
1	0.329	2.544	2.462	-0.025	0.0009	-0.391	-0.68044	0.0779	-0.249	-0.757	-1.926	-1.86
1	0.336	0.817	0.099	-0.088	-0.1154	-0.569	-0.17485	-0.604	-0.019	-0.057	-0.046	-0.01
1	0.304	0.775	0.143	-0.102	-0.1161	0.2647	-0.23609	0.1585	-0.0555	-0.183	-0.142	-0.03
1	0.389	2.169	2.168	-0.037	-0.1032	-0.054	-0.27504	0.1413	-0.1239	-0.319	-0.691	-0.69
1	0.519	0.773	0.764	-0.075	-0.1971	0.2736	-0.3628	0.2019	0.0454	0.0876	0.0677	0.067
1	0.794	0.506	0.423	-0.035	-0.1381	0.3302	-0.15762	0.1757	0.0179	0.0226	0.0114	0.01
1	1.089	0.604	0.564	0.0481	-0.1769	-0.296	0.11238	0.0926	0.1452	0.1333	0.0806	0.075
1	0.395	0.197	0.141	0.0933	-0.0891	0.1877	-0.60518	0.0712	-0.1457	-0.369	-0.073	-0.05
1	0.346	0.162	0.112	-0.061	-0.0854	0.139	-0.08156	0.0651	0.0046	0.0134	0.0022	0.002
1	0.316	0.158	0.101	-0.093	-0.0893	0.1213	-0.05089	0.0157	0.012	0.0381	0.006	0.004
1	1.01	0.244	0.236	0.1092	-0.0999	-0.259	-0.02905	-0.01	0.1377	0.1363	0.0333	0.032
0	0.362	0.24	0.078	0.0312	-0.0902	0.1173	0.02421	0.0149	0.0081	0	0.0054	0.002
0	0.279	0.221	0.159	0.0073	-0.0796	0.2089	0.05489	0.1064	8E-06	0	6E-06	5E-06
0	0.124	0.236	0.178	0.0114	-0.0829	0.2177	0.00053	0.1153	-0.0015	0	-0.003	-0
0	0.01	0.159	0.153	0.0151	-0.0804	0.1681	0.06684	0.0857	0.0002	0	0.0034	0.003
0	0.622	0.759	0.449	-0.097	-0.1023	0.1738	-0.01536	0.0558	0.0354	0	0.0433	0.026
0	0.604	0.855	0.308	-0.1	-0.1223	0.1555	-0.26126	0.0353	0.0142	0	0.0201	0.007
0	0.719	1.026	0.267	0.0944	-0.1181	-0.623	-0.16493	-0.045	-0.003	0	-0.004	-0
0	0.032	0.803	0.078	0.0165	-0.0228	0.1577	0.14178	0.0549	0.0031	0	0.0763	0.007
0	0.45	0.804	0.088	0.0343	-0.0362	0.1271	-0.04104	0.0719	-0.044	0	-0.079	-0.01
1	0.912	0.154	0.137	0.222	-0.0172	-0.211	-0.25332	-0.28	0.2151	0.2358	0.0362	0.032
1	0.819	0.123	0.095	0.0609	-0.0743	-0.147	-0.16126	-0.253	0.1824	0.2226	0.0273	0.021
1	0.991	0.215	0.192	0.25	-0.1203	-0.211	-0.25718	-0.294	0.4103	0.414	0.0889	0.08
1	1.053	0.219	0.189	0.1172	-0.1005	-0.811	0.13291	-0.261	0.3558	0.3378	0.0739	0.064
0	0.916	0.694	0.666	-0.367	-0.0804	0.2559	-0.39506	0.1032	0.0394	0	0.0298	0.029
0	1.036	0.847	0.787	-0.397	0.10319	0.1955	-0.54538	0.0181	-0.0556	0	-0.045	-0.04
0	0.621	0.577	0.566	-0.315	0.09825	0.1658	-0.5077	0.0761	-0.0622	0	-0.058	-0.06
1	0.571	0.933	0.933	-0.064	0.29086	-0.221	-0.38868	-0.339	0.0223	0.0391	0.0365	0.036
1	0.577	0.932	0.932	-0.122	0.27685	-0.257	-0.34191	-0.278	-0.0097	-0.017	-0.016	-0.02
1	0.791	1.131	1.131	-0.46	0.32606	-0.007	-0.24388	-0.154	-0.1487	-0.188	-0.213	-0.21
1	0.773	0.785	0.785	-0.112	0.32881	-1.341	-0.0158	-0.292	-0.0716	-0.093	-0.073	-0.07
0	0.454	0.395	0.154	-0.126	-0.021	-0.151	0.1138	-0.275	0.0172	0	0.0149	0.006
1	0.481	0.367	0.366	-0.22	-0.1394	0.3181	0.11075	0.1238	0.0615	0.1279	0.047	0.047
1	0.694	0.661	0.658	-0.165	-0.1841	0.2405	-0.16161	0.1902	0.0221	0.0319	0.0211	0.021
1	0.434	0.385	0.383	0.0899	-0.1331	-0.146	0.78803	0.1235	0.3824	0.8818	0.3391	0.338
1	0.051	1.498	1.43	0.0208	-0.0702	0.2272	0.08524	0.1484	-0.0011	-0.022	-0.033	-0.03
1	0.064	1.421	1.36	0.0058	-0.0676	0.2478	0.10931	0.1466	0.0006	0.0093	0.0132	0.013
1	0.065	1.41	1.396	-0.006	-0.0734	0.2457	-0.14921	0.1288	-0.0158	-0.244	-0.344	-0.34
1	0.048	1.371	1.269	0.0169	-0.071	0.1001	-0.19462	0.1454	-0.0157	-0.326	-0.447	-0.41
0	0.022	0.911	0.741	0.0322	-0.0435	0.1718	0.06713	0.0706	0.0002	0	0.0101	0.008
0	0.01	0.471	0.397	0.0205	-0.062	0.2162	2.95487	0.1165	0.0282	0	1.3653	1.151
0	0.166	4.717	4.67	0.0168	-0.0636	0.2303	-0.00651	0.1278	-0.0123	0	-0.35	-0.35
0	0.125	2.375	2.35	0.0119	-0.0661	0.2205	-0.91526	0.1382	-0.1247	0	-2.369	-2.34
1	0.431	0.164	0.16	0.1138	0.00458	0.062	-0.39486	0.1144	-0.1143	-0.265	-0.044	-0.04
1	0.72	0.195	0.19	-0.01	0.02019	0.3063	-0.0575	-0.003	0.0152	0.0211	0.0041	0.004
1	0.995	0.175	0.169	-0.165	0.07338	0.0958	0.09476	-0.249	0.1273	0.1279	0.0224	0.022
0	0.743	0.05	0.025	0.0258	-0.0573	0.1832	0.01515	0.1127	-0.0126	0	-8E-04	-0
0	0.099	0.042	0.025	0.0184	-0.0705	0.2292	0.04647	0.113	-0.0002	0	-9E-05	-0
0	0.718	0.451	0.395	-0.134	-0.1264	0.2766	-0.45253	0.2374	-0.0076	0	-0.005	-0
0	0.779	0.488	0.39	-0.213	-0.1459	0.2742	-0.39952	0.2102	0.0392	0	0.0246	0.02
0	0.921	0.598	0.405	-0.172	-0.1841	0.2657	-0.36621	0.1254	0.0972	0	0.0631	0.043
0	0.51	0.379	0.379	-0.107	0.22211	0.0293	-0.2413	-0.036	-0.045	0	-0.033	-0.03
0	0.523	0.344	0.343	-0.105	0.2045	-0.003	-0.24454	-0.041	-0.035	0	-0.023	-0.02
0	0.701	0.386	0.379	-0.143	0.08741	0.1766	-0.10628	-0.043	0.0218	0	0.012	0.012
0	1.855	0.698	0.678	-0.092	0.10396	-0.814	-0.08334	-0.211	0.2826	0	0.1063	0.103
0	0.669	0.032	0.032	0.0355	-0.089	-0.102	-0.00956	-0.205	0.0418	0	0.002	0.002
0	0.73	0.046	0.046	0.046	-0.1099	-0.191	-0.0938	-0.294	0.0176	0	0.0011	0.001
0	1.002	0.046	0.046	0.1638	-0.1008	-0.287	-0.01592	-0.389	0.2553	0	0.0118	0.012
0	1.184	0.069	0.069	0.4053	-0.1211	-0.776	0.10671	-0.468	0.5704	0	0.033	0.033
1	0.597	0.807	0.306	-0.186	-0.0768	0.2399	-0.10156	0.1511	-0.0751	-0.126	-0.102	-0.04
1	0.892	0.999	0.263	0.0047	-0.0761	-0.353	-0.10157	0.0521	-0.1148	-0.129	-0.128	-0.03
1	0.407	0.168	0.108	0.0846	-0.0912	0.1743	-0.05761	0.1261	0.009	0.0221	0.0037	0.002
1	0.323	0.161	0.113	0.0082	-0.0941	0.2956	0.00635	0.2057	0.0097	0.03	0.0048	0.003
1	0.4	0.134	0.1	-0.047	-0.0892	0.265	0.02596	0.1504	0.0087	0.0218	0.0029	0.002
1	0.533	0.183	0.136	-0.029	-0.0721	-0.338	0.26658	0.0876	0.0402	0.0753	0.0138	0.01
0	0.748	0.044	0.032	0.0191	-0.0585	0.1894	0.02582	0.1073	-0.0067	0	-4E-04	-0
0	0.675	0.43	0.349	0.0698	0.00908	0.0154	-0.33171	-0.093	0.0891	0	0.0568	0.046
0	0.58	0.333	0.322	0.035	0.01657	0.0028	-0.26967	-0.083	0.0778	0	0.0447	0.043
0	0.808	0.602	0.474	0.0587	-0.0061	0.0753	-0.30257	-0.091	0.1475	0	0.1099	0.086

1093	7.657	12.87	0.147	-0.015	2.44	0.3272	-0.06	0	0.842	0.534	0.472	0.2861	-0.0166	-0.817	-0.23577	-0.07	0.1456	0	0.0923	0.082
1090	0.705	10.63	0.009	-0.015	0.592	0.1839	0.056	1	0.168	0.108	0.105	0.0234	0.08784	0.0319	0.01133	-0.075	0.0015	0.0089	0.001	9E-04
1089	0.534	10.51	0.006	-0.014	0.09	0.0091	0.057	1	0.171	0.126	0.096	0.0431	0.05665	0.0558	0.00068	-0.038	0.001	0.0057	0.0007	5E-04
1088	0.759	10.69	0.061	-0.014	1.634	0.0191	0.252	1	0.32	0.175	0.167	0.0283	0.02892	0.0031	0.04946	-0.119	0.0227	0.071	0.0124	0.012
1087	2E-04	6.903	0.022	-0.014	0.631	0.0733	0.011	1	0.313	0.516	0.303	-0.092	0.14312	-0.245	0.22955	-0.157	0.011	0.0351	0.0181	0.011
1084	-0.03	9.729	-0.06	-0.014	0.505	0.0895	-0.05	0	0.312	1.511	1.443	0.0174	-0.0724	0.2121	-0.01007	0.111	-0.0197	0	-0.096	-0.09
1083	-0.03	9.615	-0.06	-0.014	0.921	0.1001	0.197	0	0.322	1.458	1.389	0.0152	-0.0746	-0.345	-0.00789	0.1117	-0.0204	0	-0.092	-0.09
1082	-0.03	9.57	-0.06	-0.013	6.019	0.3003	-0.33	0	0.911	1.406	1.406	0.0144	-0.0743	0.2147	-0.00903	0.1126	-0.0604	0	-0.093	-0.09
1081	-0.05	9.695	-0.13	-0.013	0.391	0.0671	0.17	0	0.96	1.387	1.387	0.0105	-0.0723	0.2119	-0.07239	0.1126	-0.1284	0	-0.186	-0.19
1078	-0.23	11.11	0.151	-0.012	0.263	0.0309	0.04	0	0.219	1.306	1.156	0.1126	-0.0875	0.1651	0.12054	0.0627	0.0327	0	0.1948	0.172
1077	-0.03	10.47	0.082	-0.011	0.084	0.1698	0.016	0	0.258	1.522	1.256	0.087	-0.0836	0.1843	0.0917	0.0819	0.022	0	0.1296	0.107
1076	-0.03	10.5	-0.19	-0.011	0.696	0.1736	0.048	0	0.065	1.643	1.369	0.0605	-0.0837	0.1958	-0.15688	0.0936	-0.0131	0	-0.331	-0.28
1075	-0.1	10.8	-0.35	-0.011	0.628	0.0723	0.105	0	0.063	1.445	1.188	0.033	-0.0864	0.1521	-0.26639	0.101	-0.0225	0	-0.518	-0.43
1072	0.275	10.73	0.029	-0.011	0.209	0.0283	0.119	0	0.408	0.425	0.415	0.0588	-0.0471	0.1892	0.05071	0.1019	0.0117	0	0.0121	0.012
1066	3.456	10.95	-0.07	-0.01	5.308	0.3122	0.029	1	0.309	0.686	0.22	0.018	0.48825	-0.375	-0.36525	-0.47	-0.0205	-0.066	-0.045	-0.01
1065	3.533	11.04	0.083	-0.01	0.596	0.5184	0.162	1	0.273	0.695	0.198	0.0312	0.40991	-0.359	-0.22453	-0.459	0.0211	0.0772	0.0537	0.015
1064	1.996	10.6	0.155	-0.009	0.612	0.2321	0.188	1	0.238	0.78	0.362	0.0119	0.33204	-0.24	-0.1114	-0.328	0.0337	0.1419	0.1106	0.051
1063	-108	10.37	-0.01	-0.008	0.326	0.0849	0.065	1	0.282	1.091	0.945	0.0842	0.31265	-0.754	-0.09827	-0.324	-0.0022	-0.008	-0.009	-0.01
1060	0.303	11.25	0.036	-0.008	0.625	0.0574	0.012	0	0.685	0.131	0.116	0.0861	-0.1194	0.2248	-0.21189	0.1315	0.0243	0	0.0047	0.004
1059	0.28	11.19	0.034	-0.008	4.702	0.3022	0.104	0	0.636	0.196	0.18	-0.082	-0.1417	0.2182	-0.13582	0.1349	0.022	0	0.0068	0.006
1058	0.294	11.2	0.173	-0.007	0.8	0.0466	0.134	0	0.423	0.171	0.16	0.1032	-0.1506	0.1409	-0.12348	0.0456	0.0622	0	0.0251	0.024
1057	0.346	11.19	0.044	-0.006	0.128	0.1138	-0.02	0	0.523	0.449	0.423	0.0925	-0.0371	-0.434	0.3572	0.1199	0.0235	0	0.0202	0.019
1053	-0.02	10.48	0.256	-0.005	2.036	0.2629	0.14	0	0.474	1.221	1.212	-0.216	-0.0663	0.0951	0.50529	0.1002	0.0974	0	0.2511	0.249
1052	-0.03	10.78	-0.08	-0.005	0.805	0.2443	-0.15	0	0.607	1.615	1.535	0.0225	-0.0606	0.1929	-0.02267	0.089	-0.0497	0	-0.132	-0.13
1051	-0.08	11.08	-0.22	-0.005	0.202	0.0492	-0.05	0	0.59	1.516	1.504	0.0312	-0.0651	0.1534	-0.16792	0.0917	-0.1281	0	-0.329	-0.33
1048	-0.46	10.6	4.684	-0.004	0.071	0.2469	-0.06	1	0.169	0.741	0.283	-0.168	-0.035	-0.006	2.51591	0.1107	0.3918	2.3182	1.7171	0.656
1047	-0.03	10.65	-1.1	-0.004	1.879	0.0262	-0.11	1	0.392	3.78	3.768	-0.138	-0.1093	0.3098	-0.82852	0.1857	-0.3199	-0.817	-3.087	-3.08
1046	-0.03	10.53	-0.52	-0.004	0.277	0.074	0.047	1	0.293	2.862	2.602	-0.001	-0.0831	0.2003	-0.54854	0.107	-0.1349	-0.46	-1.316	-1.2
1045	-0.07	10.76	-1.02	-0.002	0.707	0.3352	0.237	1	0.248	1.992	1.778	-0.061	-0.2072	-0.761	-0.68462	0.5161	-0.2002	-0.806	-1.606	-1.43
1042	0.2	10.36	0.032	-4E-04	0.642	0.0467	0.019	1	0.813	0.84	0.484	-0.062	-0.1694	0.2384	-0.17282	0.1381	0.032	0.0394	0.0331	0.019
1041	0.356	10.25	0.075	0	0.467	0.0601	-0.03	1	0.33	0.479	0.138	-0.008	-0.1024	0.2363	0.03952	0.1393	0.0143	0.0433	0.0207	0.006
1040	0.751	10.31	0.002	0	0.662	0.0438	0.163	1	0.708	1.298	0.878	0.0948	-0.1079	0.1981	-0.12679	0.0926	0.0018	0.0026	0.0033	0.002
1039	0.938	10.39	0.011	3E-05	0.356	0.2235	0.107	1	0.954	1.24	1.134	0.1118	-0.1104	-0.176	-0.04137	0.05	0.0136	0.0143	0.0177	0.016
1035	-0.01	10.94	0.056	8E-05	0.91	0.1109	0.12	1	0.194	1.685	1.626	-0.009	-0.0758	0.2799	0.10116	0.1913	0.0097	0.0499	0.0842	0.081
1034	-0.01	11.04	0.033	0.0005	1.069	0.4476	0.188	1	0.215	1.761	1.7	-0.038	-0.0736	0.2996	0.10584	0.1879	0.0067	0.031	0.0546	0.053
1033	-0.12	12	-0.48	0.0008	2.339	0.2769	0.018	1	0.179	1.77	1.736	-0.007	-0.0848	0.1541	-0.33543	0.1896	-0.0828	-0.462	-0.817	-0.8
1030	1.216	10.93	0.036	0.0011	0.636	0.0648	0.062	0	0.281	0.586	0.113	0.0349	-0.1187	-0.019	0.04432	-0.139	0.0097	0	0.0203	0.004
1029	2.701	11.27	0.046	0.0012	0.986	0.0755	0.078	0	0.252	0.58	0.203	0.1016	-0.1163	-0.029	-0.02196	-0.15	0.0109	0	0.025	0.009
1028	3.399	11.25	0	0.0014	1.008	0.2254	0.069	0	0.322	0.73	0.141	0.086	-0.0841	0.2034	-0.01158	0.1126	0	0	0	0
1027	2.779	11.18	0	0.0015	162.6	122.37	108.7	0	0.351	0.737	0.135	0.1457	-0.0841	0.0536	0.04508	0.1126	0	0	0	0
1024	1.53	12.28	0.063	0.0019	-7.81	0.0373	0.064	0	0.369	0.454	0.117	0.0936	-0.0707	0.0985	0.07105	-0.004	0.0275	0	0.0338	0.009
1023	1.555	12.15	0.09	0.002	0.73	0.0598	-0.03	0	0.361	0.493	0.056	0.0769	-0.0687	0.1021	0.08392	-4E-04	0.0338	0	0.0461	0.005
1022	0.576	11.63	0.011	0.002	0.347	0.0371	0.054	0	0.298	0.579	0.034	0.0245	-0.0704	0.1247	0.07135	0.0225	0.0034	0	0.0067	4E-04
1021	0.999	11.86	-0	0.002	2.823	0.4069	0.062	0	0.294	0.553	0.036	0.0416	-0.0721	0.0735	0.07195	0.041	-0.0011	0	-0.002	-0
1017	0.245	10.18	0.018	0.002	0.313	0.2409	0.359	1	0.934	0.457	0.393	-0.158	-0.1982	0.3075	-0.15053	0.2091	0.0299	0.032	0.0146	0.013
1016	0.524	10.28	0.055	0.0021	0.487	0.1431	0.159	1	0.549	0.511	0.338	-0.175	-0.2854	0.6569	-0.38812	0.2298	0.0648	0.118	0.0602	0.04
1015	1.906	10.48	0.031	0.0022	0.393	0.1088	0.104	1	6.546	9.543	7.973	-0.95	-1.5854	2.3633	-4.07728	0.5116	6.654	1.0165	9.7	8.105
1011	-0.05	9.91	0.101	0.0023	0.853	0.1303	0.161	1	0.282	1.497	1.418	-0.089	-0.0883	0.2968	0.15204	0.1745	0.0271	0.0959	0.1436	0.136
1010	-0.08	10.15	0.004	0.0024	0.022	0.1155	-0.1	1	0.211	1.488	1.395	0.0485	-0.0947	0.2663	-0.06831	0.1326	0.0009	0.0041	0.006	0.006
1009	-0.22	10.61	0.055	0.0026	0.028	0.0572	0.017	1	0.21	1.503	1.421	0.1511	-0.0965	-0.121	0.01033	0.0927	0.011	0.0523	0.0787	0.074
1005	2.871	11.32	0.051	0.0027	1.609	0.0645	0.127	1	2.66	0.297	0.264	0.026	-0.0728	-0.387	-0.53839	-0.163	0.0875	0.0329	0.0098	0.009
1004	1.289	11.11	-0.01	0.0032	0.037	0.0314	-0	1	0.839	0.657	0.645	-0.461	0.21755	0.0068	0.15387	-0.151	-0.0085	-0.01	-0.007	-0.01
1003	1.309	11.11	0.076	0.0033	2.213	0.1584	0.108	1	0.589	0.409	0.348	-0.193	0.11353	-1.251	0.4771	-0.143	0.042	0.0714	0.0292	0.025
1000	17.13	13.83	0.057	0.0035	0.043	0.0275	0.028	0	0.613	0.9	0.14	0.0448	-0.1084	0.0226	0.01217	-0.082	0.0552	0	0.0811	0.013
993	1.978	11.19	0.115	0.0036	0.124	0.054	-0	1	0.734	0.399	0.251	-0.238	-0.0953	-1.186	-0.1666	-1.376	0.0747	0.1018	0.0406	0.026
992	1.109	10.86	0.114	0.0039	2.026	0.3365	-0.1	1	1.137	0.801	0.622	-0.131	-0.1084	0.1213	-0.39534	0.0517	0.1777	0.1563	0.1252	0.097
991	2.127	11	0.129	0.0039	0.724	0.0467	0.129	1	0.987	0.728	0.489	-0.088	-0.1272	-0.964	0.01558	0.0477	0.1564	0.1585	0.1154	0.078
988	2.16	11.45	0.01	0.0041	0.933	0.1149	0.066	0	0.619	0.475	0.405	-0.269	-0.1882	1.4366	-0.44517	0.3075	0.0067	0	0.0052	0.004
987	2.104	11.43	0.007	0.0041	0.142	0.0891	0.038	0	0.476	0.36	0.307	-0.328	-0.172	0.401	-0.4377	0.302	0.0033	0	0.0025	0.002
986	2.164	11.45	0.08	0.0042	0.083	0.0497	0.027	0	0.985	0.595	0.504	-0.416	-0.232	0.2815	-0.59762	0.1826	0.1458	0	0.0881	0.075
981	0.231	10.4	0.033	0.0044	1.335	0.095	0.208	1	0.334	0.733	0.203	-0.003	-0.0957	0.2391	-0.02742	0.1875	0.0094	0.0281	0.0206	0.006
980	0.459	10.64	-0.06	0.0048	0.485	0.0517	0.098	1	0.393	0.865	0.36	0.0137	-0.0984	0.3011	-0.15954	0.1288	-0.0233	-0.059	-0.051	-0.02
979	1.126	11	-0.1	0.0048	0.422	0.0972	0.375	1	0.433	0.956	0.578	-0.006	-0.1085	-0.223	-0.01222	0.1182	-0.0451	-0.104	-0.1	-0.06
976	3.369	11.85	5E-04	0.0052	0.413	0.0946	0.095	0	0.09	0.762	0.48	0.0124	-0.0525	0.175	0.03748	0.0727	5E-05	0	0.0004	2E-04
975	-1.16	10.65	0.054	0.0054	5.221	0.2141	-0.02	0	0.06	0.863	0.286	0.0311	-0.0534	0.1821	0.07461	0.0796	0.0027	0	0.0389	0.013
974	-2.83	11.77	-0.04	0.0054	0.281	0.068	0.025	0	0.069	1.095	0.291	0.041	-0.0644	0.192	-0.01588	0.0895	-0.0025	0	-0.039	-0.01
973	-5	11.77	-0.1	0.0057	1.786	0.1622	0.277	0	0.051	1.059	0.434	0.0166	-0.0675	0.1531	-0.0441	0.0872	-0.0051	0	-0.105	-0.04
969	1.322	10.2	0.076	0.0057	1.551	0.2028	-0.22	1	0.441	0.845	0.318	0.1325	-0.1196	0.2039	-0.26685	0.0884	0.032	0.0724	0.0612	0.023
968	2.543	10.02	-0.03	0.0059	0.483	0.0434	0.126	1	0.479	1.083	0.323	-0.024	-0.1185	0.1837	-0.18119	0.0625	-0.0158	-0.033	-0.036	-0.01
967	3.808	10.45	-0.11	0.006	0.466	0.0612	0.132	1	1.032	2.113	0.607	-0.143	-0.1305	-0.999	-0.04791	0.03	-0.2553	-0.247	-0.523	-0.15
964	0.138	10.97	-0.04	0.0061	0.226	0.0352	0.053	1	0.218	0.713	0.268	-0.055	-0.105	0.273	-0.08199	0.1774	-0.009	-0.041	-0.029	-0.01
963	-0.46	10.77	-0.04	0.0062	0.519	0.0943	0.074	1	0.248	1.051	0.804	-0.037	-0.1081	0.2556	-0.08549	0.1531	-0.0097	-0.039	-0.041	-0.03
962	-5.36	11.03	-0.09	0.0066	0.872	0.1422	1.596	1	0.221	0.949	0.735	0.0271	-0.1013	0.2074	-0.21172	0.1291	-0.0187	-0.085	-0.08	-0.06
961	1.153	11.43	-0.08	0.0066	0.173	0.0534	0.127	1	0.297	1.004	0.976	0.0763	-0.099	-0.203	-0.09943	0.0603	-0.0258	-0.087	-0.087	-0.08
958	0.264	10.98	-0.03	0.0069	0.027	0.0683	0.017	1	0.166	0.485	0.308	0.0026	-0.1131	0.2626	0.009	0.1321	-0.0045	-0.027	-0.013	-0.01
957	0.91	11.5	-0.12	0.0079	0.454	0.0375	-0.01	1	0.144	0.456	0.258	-0.035	-0.0888	0.3562	-0.02414	0.2028	-0.0166	-0.115	-0.053	-0.03
956	-0.78	10.74	-0.15	0.008	0.126	0.0599	0.007	1	0.202	1.002	0.927	-0.025	-0.0939	0.2342	-0.08172	0.2255	-0.0279	-0.138	-0.139	-0.13
955	5.033	11.21	-0.28	0.0082	0.665	0.1018	0.213	1	0.22	0.951	0.887	-0.09	-0.0973	0.0142	-0.02911	0.2022	-0.0611	-0.278	-0.264	-0.25
951	0.386	11.46	0.09	0.0085	0.966	0.1275	0.04	1	0.516	0.437	0.086	0.021	-0.0788	0.1042	-0.0376	0.0146	0.0465	0.0902	0.0394	0.008
950	0.385	11.39	0.023	0.0089	0.38	0.2637	0.072	1	0.458	0.525	0.1	-0.007	-0.0891	0.1545	-0.03891	0.0593	0.0109	0.0237	0.0124	0.002

949	0.698	11.62	-0.02	0.009	0.404	30.768	0.149
940	0.946	10.74	0.034	0.0093	1.099	0.1977	0.05
939	0.991	10.73	0.043	0.0093	0.949	0.1414	0.05
938	1.098	10.73	0.045	0.0099	1.442	0.0837	0.086
937	0.728	10.5	-0.11	0.0101	0.513	0.3908	0.045
934	0.72	11.26	0.002	0.0102	0.974	0.0105	0.168
933	0.94	11.37	-0.08	0.0103	1.105	0.2399	0.076
932	0.716	11.38	0.198	0.0105	0.166	0.0319	0.066
931	1.337	11.49	0.102	0.0106	0.56	0.0943	0.067
928	0.199	10.67	0.039	0.0108	0.681	0.0507	0.252
927	0.16	10.59	0.07	0.0108	9E-04	0.0381	0.057
926	0.537	11.13	0.123	0.0108	0.001	0.2017	0.078
925	0.634	11.16	0.113	0.0109	1.071	0.1837	-0.14
922	0.788	12.15	0.034	0.0109	0.287	0.0945	3E-04
921	0.78	12.13	0.032	0.011	0.307	0.0329	-0.01
920	0.456	12.07	0.037	0.0114	0.125	0.2616	-0.04
919	0.799	12.13	0.096	0.0116	1.96	0.0557	-0
915	-0.58	11.5	0.113	0.0116	1.053	0.1102	0.1
914	0.445	11.66	0.096	0.0118	1.073	0.0755	-0.11
913	0.671	11.82	0.084	0.0122	0.749	0.0896	0.075
910	-4.27	11.84	-0.27	0.0122	0.066	0.5636	0.108
909	5.578	12.2	0.146	0.0122	1.138	0.3698	0.208
908	-6.63	11.99	-0.07	0.0124	0.565	0.0509	0.036
907	13.52	11.96	-0.26	0.0127	0.055	0.0318	0.086
903	-0.16	11.22	0.073	0.0128	0.512	0.1044	0.087
902	-0.12	11.25	-0.1	0.0129	0.517	0.1276	0.122
901	-0.41	11.67	-0.22	0.0134	1.052	0.0879	0.031
898	-122	13.78	0.069	0.0135	0.144	0.3106	-0
897	181.9	13.71	0.179	0.0139	1.068	0.4208	0.117
896	5.383	11.65	0.22	0.0139	1.22	0.1643	-0.06
895	54.42	11.86	0.216	0.014	1.29	0.5398	0.163
892	0.851	10.17	-0.33	0.014	0.426	0.0637	0.074
891	0.279	10.1	0.085	0.014	1.294	0.099	0.132
890	0.398	10.14	0.013	0.0141	0.787	0.1918	-0.04
889	7.806	10.87	-0.09	0.0141	1.345	0.0616	0.036
886	1.102	10.24	0.062	0.0143	0.995	0.3855	0.234
885	1.686	10.29	-0.63	0.015	1.116	0.0589	-0.01
884	1.824	10.54	-0.3	0.0152	2.101	0.2135	0.046
883	3E-06	4.699	-1.24	0.0153	0.019	0.2961	-0.19
880	2.247	11.55	0.262	0.0153	0.166	0.1607	0.047
879	1.501	11.35	0.217	0.0153	1.061	0.0839	0.166
878	1.845	11.37	0.347	0.0155	1.077	0.2729	0.099
877	1.723	11.22	0.381	0.0156	0.167	0.1641	0.058
872	0.063	11.45	0.131	0.0156	2.028	0.1666	0.078
871	0.972	12.52	0.131	0.0158	0.805	0.145	-0.02
868	0.716	11.22	0.011	0.016	0.801	0.1548	0.186
867	0.487	11.03	0.023	0.0163	1.71	0.0939	0.02
866	0.637	11.1	0.002	0.0165	0.653	0.095	0.204
865	1.318	11.42	-0.06	0.0165	0.657	0.1999	-0.08
862	-0.56	10.66	0.107	0.0168	0.761	0.0638	0.057
861	-0.13	10.46	-0.06	0.0168	2.213	0.3083	-0.02
860	-0.36	10.69	-0.08	0.0172	0.781	0.1058	0.187
859	-2.39	10.89	-0.12	0.0176	1.869	0.2661	0.078
855	-0.2	9.875	0.374	0.0178	0.393	0.0991	0.227
854	-0.04	9.954	-0.07	0.0182	2.549	0.5398	0.082
853	-0.1	10.31	-0.24	0.0186	0.375	0.0663	0.116
850	0.238	10.43	0.184	0.0193	1.814	0.221	0.116
849	0.027	9.882	0.029	0.0193	2.452	0.2535	-0.01
848	-0.05	10.23	0.091	0.0194	1.349	0.2849	-0.02
847	-0.13	10.53	0.21	0.0195	1.664	0.237	-0.25
844	0.491	11.35	0.006	0.0195	1.271	0.154	0.124
843	0.14	10.8	0.022	0.0197	0.151	0.2171	0.047
842	0.46	11.27	0.064	0.0204	0.569	0.0378	0.065
841	0.888	11.5	0.037	0.0205	2.098	0.2174	0.51
837	-0.54	11.06	0.297	0.0207	0.419	0.0702	0.02
836	-0.25	11.25	-0.13	0.0211	0.902	0.0594	0.017
835	-0.64	11.53	-0.56	0.0213	1.017	0.0621	0.033
831	-2.36	11.46	0.203	0.0215	1.582	0.055	0.123
830	-4.16	11.83	0.074	0.0218	0.695	0.2223	-0.05
829	-0.44	10.91	-0.32	0.022	1.688	0.0555	0.05
826	0.45	11.24	0.089	0.0221	0.46	0.2939	0.15
825	0.651	11.14	0.046	0.0224	0.633	0.3984	0.065
824	2.336	11.51	0.038	0.0225	1.309	0.1666	0.058
823	1.271	11.21	-0.07	0.0225	1.484	0.1484	0.011
820	0.178	10.14	-0	0.0226	0.401	0.0504	-0.01
819	0.163	10.11	0.161	0.0226	0.291	0.0481	0.04
818	1.2	10.2	0.205	0.0231	0.228	0.0692	0.021
817	1.107	10.47	0.354	0.0232	1.298	0.0962	0.102
814	0.292	11.09	0.011	0.0235	0.004	0.031	0.105
813	0.154	10.8	0.002	0.0237	0.213	0.1055	0.378

1	0.419	0.542	0.086	0.0077	-0.0745	-0.094	0.05061	0.049	-0.0075	-0.018	-0.01	-0
0	0.083	0.478	0.4	0.0058	-0.0566	0.1953	0.0161	0.0972	0.0026	0	0.0153	0.013
0	0.087	0.541	0.47	-0.021	-0.0707	0.0386	0.04938	0.0897	0.0035	0	0.0221	0.019
0	0.275	0.615	0.603	0.0155	-0.0626	0.1027	-0.01677	0.0447	0.0122	0	0.0272	0.027
0	0.313	0.622	0.61	0.1019	-0.0785	-0.127	-0.16913	0.0826	-0.0319	0	-0.063	-0.06
1	0.666	0.44	0.29	-0.108	-0.1041	0.2422	-0.45445	0.1173	0.0012	0.0019	0.0008	5E-04
1	0.614	0.382	0.248	-0.419	-0.095	0.1816	-0.15413	0.1286	-0.0434	-0.071	-0.027	-0.02
1	1	0.511	0.419	-0.32	-0.1602	0.2227	-0.22944	0.143	0.2667	0.2667	0.1362	0.112
1	1.39	0.814	0.499	-0.129	-0.1931	-1.757	-0.03958	0.0494	0.2743	0.1974	0.1607	0.098
1	0.67	0.14	0.13	-0.018	0.17928	-0.143	-0.09978	-0.223	0.0247	0.0369	0.0052	0.005
1	0.721	0.174	0.167	-0.111	0.16552	-0.14	0.00278	-0.254	0.05	0.0693	0.0121	0.012
1	0.8	0.165	0.164	-0.013	-0.0384	-0.102	-0.02317	-0.239	0.1045	0.1306	0.0216	0.021
1	0.916	0.224	0.2	0.2039	-0.0312	-0.542	-0.06369	-0.195	0.1272	0.1389	0.0311	0.028
0	0.394	0.489	0.347	-0.041	0.16007	-0.027	-0.32439	-0.133	0.0137	0	0.017	0.012
0	0.547	0.577	0.404	-0.04	0.23564	-0.127	-0.44065	-0.189	0.0211	0	0.0222	0.016
0	0.443	0.052	0.031	-0.096	0.16654	-0.011	-0.37384	-0.149	0.0152	0	0.0018	0.001
0	0.603	0.461	0.436	0.1168	0.10402	-0.744	-0.13444	-0.132	0.063	0	0.0482	0.046
1	0.25	0.44	0.317	-0.126	-0.0797	0.1928	0.11606	0.0945	0.003	0.0122	0.0054	0.004
1	0.201	0.409	0.338	-0.045	-0.0927	0.2318	0.0898	0.0917	0.021	0.1047	0.0428	0.035
1	0.17	0.504	0.504	0.0338	-0.0783	0.0369	0.10834	0.077	0.0209	0.1233	0.0622	0.062
0	0.09	0.586	0.55	0.05	-0.0658	0.0743	-0.16379	0.0806	-0.0129	0	-0.084	-0.08
0	0.344	0.862	0.82	0.0561	-0.0719	0.1672	0.11524	0.0554	0.0485	0	0.1217	0.116
0	0.359	1.048	1.003	0.1067	-0.0747	0.1313	-0.14685	0.0381	-0.0255	0	-0.075	-0.07
0	0.329	0.948	0.907	0.0826	-0.0735	0.0468	-0.24409	0.0623	-0.0846	0	-0.243	-0.23
1	0.275	1.172	0.131	-0.022	-0.043	0.2937	0.03058	0.0444	0.0188	0.0683	0.08	0.009
1	0.311	1.375	0.094	-0.022	-0.0593	0.0179	-0.14688	-0.008	-0.0316	-0.102	-0.14	-0.01
1	0.234	1.367	0.065	0.0184	-0.0529	-0.111	-0.21918	0.0056	-0.0556	-0.237	-0.325	-0.02
1	0.774	1.4	0.738	0.0293	-0.0841	0.0873	-0.24899	0.0456	0.0196	0.0253	0.0354	0.019
1	0.412	0.371	0.333	0.0988	0.05552	-0.135	-0.12489	-0.231	0.0676	0.1643	0.0609	0.055
1	0.564	1.005	0.484	0.0503	0.01329	-0.178	-0.05295	-0.284	0.1482	0.2625	0.2637	0.127
1	0.423	1.024	0.492	0.2522	-0.0165	-0.817	-0.00134	-0.274	0.0966	0.2282	0.2336	0.112
0	0.143	0.563	0.24	0.0229	-0.0553	0.2894	-0.2492	0.1913	-0.0332	0	-0.131	-0.06
0	0.229	0.573	0.392	0.0621	-0.0893	0.2364	-0.03918	0.1383	0.0179	0	0.0448	0.031
0	0.292	0.816	0.537	0.0928	-0.0988	0.1613	-0.19676	0.0545	0.0041	0	0.0114	0.007
0	0.259	0.869	0.482	0.0883	-0.1071	-0.195	-0.11789	0.1055	-0.0218	0	-0.073	-0.04
0	0.332	4.384	0.055	-0.05	0.15202	0.2061	0.86327	0.1035	0.1172	0	1.5469	0.019
0	0.248	0.012	0.012	-0.276	0.29664	0.2965	-0.108	0.1396	-0.0904	0	-0.004	-0
0	0.591	0.066	0.033	-0.05	0.34738	0.1062	-0.34938	0.0019	-0.1689	0	-0.019	-0.01
0	0.252	0.243	0.229	-0.16	0.70635	0.2198	-0.7907	0.1227	-0.237	0	-0.229	-0.22
0	0.806	0.237	0.233	0.1935	0.36926	-0.57	-0.33629	-0.687	0.2461	0	0.0723	0.071
0	0.783	0.142	0.14	0.036	0.25825	-0.348	-0.14646	-0.505	0.18	0	0.0326	0.032
0	0.995	0.272	0.272	0.1226	0.22183	-0.556	-0.15196	-0.685	0.4328	0	0.1181	0.118
0	1.037	0.337	0.329	0.289	0.24382	-1.368	0.04806	-0.728	0.5257	0	0.171	0.167
0	0.406	0.195	0.143	0.2059	-0.114	-0.179	-0.22507	-0.299	0.0655	0	0.0314	0.023
0	0.508	0.303	0.183	0.2959	-0.101	-0.364	-0.27289	-0.304	0.0922	0	0.0549	0.033
1	0.547	0.791	0.448	-0.192	0.0086	0.1383	-0.20097	0.039	0.0059	0.0109	0.0086	0.005
1	0.636	0.83	0.475	-0.184	-0.0343	0.2959	-0.28929	0.1453	0.0152	0.024	0.0199	0.011
1	0.526	0.77	0.448	-0.152	-0.0836	0.1885	-0.34855	0.0948	0.0008	0.0015	0.0012	7E-04
1	0.553	0.826	0.809	0.0047	-0.0902	-0.895	-0.10621	0.058	-0.0329	-0.059	-0.049	-0.05
0	0.194	1.041	1.041	0.0162	-0.0709	0.1668	0.14948	0.0967	0.0203	0	0.109	0.109
0	0.198	1.166	1.148	0.0196	-0.068	0.2117	-0.00989	0.108	-0.0126	0	-0.074	-0.07
0	0.197	1.1	1.076	0.0193	-0.0699	0.212	-0.02181	0.1109	-0.0154	0	-0.086	-0.08
0	0.199	1.018	0.994	0.0274	-0.0736	0.2066	-0.06207	0.1123	-0.0231	0	-0.118	-0.12
0	0.383	1.001	0.066	0.0268	-0.0531	0.093	0.1865	-0.031	0.1335	0	0.349	0.023
0	0.346	1.518	1.509	0.024	-0.0402	0.1826	-0.16519	-0.007	-0.027	0	-0.118	-0.12
0	0.295	1.491	0.649	0.0491	-0.0658	-0.382	-0.20843	0.0089	-0.0781	0	-0.396	-0.17
0	0.009	0.771	0.06	-0.143	-0.0858	0.1685	0.42246	0.0653	0.0015	0	0.1399	0.011
0	0.01	0.454	0.048	0.0272	-0.083	0.1911	0.10129	0.0897	0.0003	0	0.0128	0.001
0	0.007	1.646	1.434	0.0178	-0.0829	0.1813	0.15759	0.0787	0.0007	0	0.1541	0.134
0	0.007	1.627	1.4	0.0287	-0.0843	0.1489	0.29034	0.0758	0.0015	0	0.3661	0.315
1	0.78	0.86	0.314	-0.172	-0.0421	0.1973	-0.14726	0.0494	0.0066	0.0085	0.0073	0.003
1	0.633	0.6	0.321	-0.156	-0.0534	0.1781	-0.17341	0.0595	0.0161	0.0255	0.0153	0.008
1	0.705	0.508	0.228	0.0397	-0.056	0.1239	-0.3429	0.0246	0.0493	0.0699	0.0355	0.016
1	0.777	0.578	0.248	-0.022	-0.0454	-0.579	0.00755	-0.017	0.0339	0.0436	0.0252	0.011
0	0.256	1.357	1.259	0.1767	-0.1314	0.0364	0.03056	-0.051	0.0915	0	0.4854	0.451
0	0.155	1.508	1.435	0.0321	-0.091	0.1769	-0.15291	0.0526	-0.0197	0	-0.193	-0.18
0	0.1	1.106	1.067	0.0507	-0.0896	-0.057	-0.38491	0.0322	-0.0446	0	-0.494	-0.48
0	0.139	1.105	0.774	0.2604	-0.0862	0.1774	-0.04263	0.075	0.0229	0	0.1816	0.127
0	0.029	0.938	0.661	0.0577	-0.0838	0.1997	0.05788	0.0973	0.0014	0	0.0468	0.033
0	0.002	1.245	1.018	0.0192	-0.0844	0.2004	-0.25957	0.0985	-0.0008	0	-0.382	-0.31
0	0.899	0.887	0.88	-0.119	-0.0516	0.265	0.1994	0.0009	0.0901	0	0.0889	0.088
0	0.937	1.108	1.093	0.3783	-0.0004	0.2672	-0.28753	0.0915	0.0543	0	0.0642	0.063
0	0.595	0.748	0.745	0.0709	-0.0146	-0.003	0.00293	0.0952	0.0189	0	0.0238	0.024
0	0.903	1.125	1.122	0.0505	-0.0113	0.3075	-0.07293	0.0954	-0.0796	0	-0.099	-0.1
0	0.377	0.367	0.367	0.008	-0.0421	0.1835	-0.01228	0.1056	-0.0018	0	-0.002	-0
0	0.64	0.695	0.695	-0.153	-0.0499	0.1981	0.36834	0.1148	0.1937	0	0.2103	0.21
0	0.489	0.695	0.695	-0.091	-0.0523	0.292	0.18779	0.1176	0.0871	0	0.1237	0.124
0	0.223	0.304	0.303	-0.021	-0.0606	-0.127	0.33026	0.1016	0.0371	0	0.0505	0.05
0	0.406	0.582	0.575	-0.005	-0.056	0.2246	0.03951	0.0771	0.0042	0	0.006	0.006
0	0.573	0.794	0.785	0.2689	-0.0408	-0.392	-0.25216	0.0813	0.0012	0	0.0016	0.002

812	0.318	11.11	0.081	0.024	0.939	0.0856	0.357	0	1.069	0.572	0.572	-0.051	-0.0291	0.2543	0.17238	0.0723	0.0952	0	0.0509	0.051
811	0.352	11.07	-0.1	0.0241	0.043	0.0748	0.008	0	0.934	0.543	0.54	0.0314	-0.0049	0.1234	-0.0709	0.0714	-0.0888	0	-0.052	-0.05
808	0.415	9.723	0.05	0.0242	0.099	0.0431	0.044	1	0.598	0.615	0.37	-0.091	-0.2315	0.3122	-0.32791	0.2191	0.0293	0.049	0.0302	0.018
807	0.299	9.526	0.042	0.0251	0.109	0.1089	0.064	1	0.52	0.601	0.571	-0.148	-0.1683	0.3035	-0.15939	0.2192	0.0196	0.0377	0.0227	0.022
806	0.084	8.912	0.024	0.0253	1.238	0.1199	0.178	1	0.614	0.773	0.733	-0.093	-0.1789	0.0968	-0.18249	-0.064	0.0154	0.0251	0.0194	0.018
805	0.627	9.742	-0.02	0.0253	1.633	0.2243	0.054	1	0.633	0.855	0.723	0.0928	-0.1775	-0.095	-0.17696	0.3182	-0.0162	-0.026	-0.022	-0.02
801	0.378	10.3	-0.13	0.0255	1.542	0.0341	-0.01	1	0.26	0.858	0.855	-0.013	-0.0746	0.2463	-0.11794	0.1011	-0.033	-0.127	-0.109	-0.11
800	0.489	10.54	-0.01	0.026	0.423	0.1519	0.24	1	0.215	0.902	0.901	-0.015	-0.0795	0.1961	-0.00007	0.0971	-0.003	-0.014	-0.013	-0.01
799	1.602	10.73	-0.07	0.0262	0.562	0.4339	-0.16	1	0.248	1.1	0.153	0.0242	-0.0869	-0.014	-0.01619	0.0669	-0.0198	-0.08	-0.088	-0.01
796	0.428	10.65	0.105	0.0262	0.535	0.0687	0.402	1	0.859	0.152	0.125	0.0337	-0.159	-0.058	-0.07665	-0.12	0.0995	0.1159	0.0176	0.015
795	0.413	10.59	0.11	0.0264	1.002	0.2094	0.015	1	0.818	0.137	0.137	0.0518	-0.008	0.0194	-0.09753	-0.114	0.097	0.1186	0.0163	0.016
794	0.364	10.49	0.117	0.0264	1.311	0.052	0.167	1	0.698	0.137	0.137	-0.02	-0.0341	0.1743	0.02843	-0.03	0.0782	0.112	0.0153	0.015
793	0.357	10.48	0.117	0.0266	-0	0.032	0.058	1	0.819	0.224	0.224	0.1407	-0.004	-0.271	0.00935	-0.07	0.1076	0.1314	0.0294	0.029
789	4.967	11.08	0.053	0.0266	1.055	0.0892	0.148	1	0.522	0.332	0.321	0.0195	-0.0948	0.2647	-0.08376	0.1393	0.0296	0.0567	0.0188	0.018
788	7.122	11.21	0.035	0.0269	-0.01	0.1	-0.07	1	1.447	0.973	0.953	0.1086	-0.1186	0.3021	-0.43766	0.1391	0.1563	0.108	0.105	0.103
787	41.26	10.71	0.037	0.0277	3.134	0.2751	0.057	1	1.326	1.926	1.926	-0.18	-0.1485	-1.651	0.09268	-0.213	0.1086	0.0819	0.1577	0.158
784	0.396	10.8	0.005	0.028	0.026	0.0585	0.026	0	0.789	0.562	0.417	-0.221	-0.0273	0.4093	0.2665	0.0468	0.0052	0	0.0037	0.003
783	1.089	11.24	0.006	0.0281	0.363	0.0335	0.141	0	0.402	0.218	0.156	-0.023	-0.043	0.5412	0.1068	0.0614	0.0025	0	0.0013	1E-03
782	0.982	11.19	0.02	0.0283	0.675	0.1974	0.067	0	0.042	0.197	0.092	0.0304	-0.0532	0.1586	0.05746	0.0564	0.0007	0	0.0035	0.002
781	0.921	11.12	0.04	0.0286	0.916	0.1047	0.021	0	0.07	0.339	0.19	0.141	-0.0637	-0.115	0.03194	0.0413	0.0026	0	0.0127	0.007
778	0.138	10.1	0.008	0.0286	0.522	0.06	0.119	0	0.542	0.049	0.042	0.0953	0.08808	0.2003	0.02278	0.1125	0.0045	0	0.0004	3E-04
777	0.075	9.827	0.008	0.0289	0.73	0.0912	0.186	0	0.497	0.05	0.05	0.0592	0.06294	0.219	0.06095	0.1126	0.004	0	0.0004	4E-04
776	0.357	10.51	0.005	0.029	1.209	0.0872	0.077	0	0.509	0.085	0.085	0.0738	0.02896	0.2045	0.0364	0.108	0.0021	0	0.0004	4E-04
775	0.912	10.9	0.002	0.0294	5.703	0.2725	0.113	0	0.621	0.204	0.204	0.0432	-0.019	0.143	0.09111	0.1165	0.0013	0	0.0004	4E-04
772	-0.04	9.447	-0.03	0.0294	0.098	0.0063	-0.03	0	1E-05	1.887	1.734	0.0057	-0.0738	0.2441	0.03697	0.1416	-4E-07	0	-0.053	-0.05
771	0.049	9.447	-0.84	0.0296	0.203	0.2185	0.091	0	1E-05	0.176	0.1	0.0577	0.01963	0.3205	-0.45591	0.2181	-5E-06	0	-0.082	-0.05
770	1.688	11.33	-0.07	0.0296	0.046	0.032	0.021	0	0.095	0.159	0.159	-0.007	-0.0208	0.2477	-0.03578	0.1453	-0.0069	0	-0.011	-0.01
769	1	11.1	-0.01	0.0298	0.068	0.0517	0.097	0	0.032	0.132	0.08	0.0188	-0.0585	0.185	0.03179	0.1066	-0.0004	0	-0.002	-0
766	0.773	10.3	-0.02	0.03	0.714	0.0655	0.362	1	0.434	0.55	0.55	-0.124	0.00233	0.2206	-0.04007	0.0861	-0.0066	-0.015	-0.008	-0.01
765	0.744	10.3	-0.1	0.0304	1.823	0.1952	0.086	1	0.418	0.537	0.537	-0.151	0.02818	0.2227	-0.04629	0.107	-0.0384	-0.092	-0.049	-0.05
764	0.464	10.18	0.002	0.0305	6E-04	0.1979	0.082	1	0.432	0.518	0.511	-0.016	0.00037	0.108	-0.08523	0.0093	0.0009	0.002	0.001	0.001
763	1.164	10.58	-0.06	0.0307	1.122	0.1276	-0.05	1	0.428	0.554	0.546	0.0174	-0.0113	-0.354	-0.01549	-0.005	-0.0284	-0.066	-0.037	-0.04
759	0.531	11.49	0.063	0.031	1.876	0.2036	-0.14	1	0.724	0.113	0.098	-0.05	-0.1721	0.2399	-0.13851	0.1128	0.0482	0.0665	0.0075	0.007
758	0.572	11.5	0.091	0.0311	0.102	0.0218	0.051	1	0.697	0.109	0.097	0.26	-0.1399	0.0296	-0.39181	0.131	0.0673	0.0965	0.0105	0.009
757	0.733	11.6	0.25	0.0311	0.442	0.0828	0.295	1	0.817	0.091	0.073	-0.016	-0.2132	-0.465	0.15735	-0.013	0.2311	0.2828	0.0258	0.021
754	7.935	12.91	0.132	0.0313	1.356	0.1027	0.107	1	0.903	0.707	0.576	0.1048	0.27507	-0.397	-0.29463	-0.486	0.1447	0.1602	0.1133	0.092
753	3.429	12.35	0.132	0.0314	0.665	0.3764	0.485	1	0.711	0.727	0.604	0.0739	0.20812	-0.318	-0.276	-0.414	0.101	0.1422	0.1033	0.086
752	2.641	11.96	0.017	0.0315	0.525	0.1146	0.008	1	0.602	0.871	0.285	-0.019	0.15183	-0.142	-0.25166	-0.281	0.0112	0.0186	0.0162	0.005
751	4.117	12.1	0.016	0.0316	0.441	0.0735	0.16	1	0.455	0.724	0.216	0.0153	0.04628	-0.424	-0.02313	-0.19	0.0064	0.0141	0.0102	0.003
747	0.178	10.4	-0.01	0.0318	1.091	0.2751	0.062	1	0.853	0.464	0.455	-0.056	-0.0595	0.1297	-0.05206	0.0483	-0.0054	-0.006	-0.003	-0
746	0.546	10.89	0.017	0.0319	0.022	0.0381	6E-04	1	0.954	0.533	0.41	-0.054	-0.0523	0.1263	-0.06023	0.0246	0.0173	0.0182	0.0097	0.007
745	0.929	11.11	0.043	0.0319	1.62	0.1802	0.115	1	0.999	0.537	0.275	0.0525	-0.0771	-0.38	0.03985	-0.02	0.0492	0.0492	0.0264	0.014
742	0.642	11.85	0.124	0.032	0.385	0.1404	0.062	0	0.399	0.441	0.382	0.0455	-0.0618	0.1608	0.1098	0.0651	0.0521	0	0.0577	0.05
741	0.795	11.81	0.388	0.0324	0.444	0.0324	0.028	0	0.361	0.413	0.33	0.09	-0.0699	0.1395	0.23293	0.0625	0.1052	0	0.1204	0.096
740	-33.3	13.76	0.006	0.0326	0.116	0.1779	0.059	0	0.356	1.58	1.258	0.0338	-0.0732	0.1417	0.01835	0.0796	0.0021	0	0.0094	0.007
735	0.349	10.65	-0.02	0.0329	0.839	0.0906	0.313	1	0.33	0.343	0.13	-0.154	-0.0693	0.2023	0.11456	0.0876	-0.0048	-0.014	-0.005	-0
734	0.308	10.62	0.04	0.0331	0.995	0.0428	0.061	1	0.36	0.39	0.139	0.0086	-0.0722	0.17	-0.02169	0.0517	0.0148	0.0412	0.016	0.006
733	0.467	10.76	0.082	0.0331	0.749	0.107	0.18	1	0.41	0.503	0.153	0.1004	-0.0761	-0.321	0.08207	-0.012	0.041	0.0999	0.0502	0.015
729	-0.06	10.87	-0.02	0.0336	2.86	0.1248	0.136	1	0.114	1.926	1.868	0.0058	-0.0674	0.2097	0.05936	0.0948	-0.0021	-0.018	-0.035	-0.03
728	-0.06	10.87	-0.22	0.0338	0.445	0.0927	0.083	1	0.092	1.954	1.9	0.0294	-0.0732	0.2032	-0.15718	0.0915	-0.0197	-0.214	-0.418	-0.41
727	-0.07	10.87	-0.57	0.034	0	0.0387	0.212	1	0.07	1.629	1.58	0.0156	-0.0735	0.1567	-0.42527	0.0964	-0.0363	-0.517	-0.841	-0.82
724	0.502	10.72	0.051	0.0342	0.813	0.0101	0.185	1	0.454	0.651	0.52	-0.123	-0.0769	0.3025	-0.08323	0.2159	0.0212	0.0466	0.0303	0.024
723	0.376	10.67	-0.01	0.0344	0.441	0.0537	0.176	1	0.505	0.698	0.639	-0.07	-0.0934	0.3365	-0.20341	0.1966	-0.004	-0.008	-0.006	-0.01
722	0.591	10.88	-0.04	0.0345	1.127	0.1474	-0	1	0.458	0.67	0.626	-0.079	-0.0987	0.247	-0.1598	0.1319	-0.0192	-0.042	-0.028	-0.03
721	0.789	11.06	-0.03	0.0346	0.154	0.0763	-0.06	1	0.625	0.78	0.338	-0.047	-0.1363	-0.222	-0.06971	0.0654	-0.0256	-0.041	-0.032	-0.01
717	0.04	9.857	-0.19	0.0349	1.871	0.4502	0.13	1	0.15	0.154	0.065	-0.014	-0.0844	0.2608	-0.09136	0.1758	-0.0239	-0.159	-0.024	-0.01
716	0.069	10.19	-0.27	0.0351	1.177	0.2031	-0.03	1	0.192	0.171	0.08	-0.072	-0.0785	0.2768	-0.12272	0.1821	-0.0533	-0.277	-0.048	-0.02
715	-0.27	10.1	-0.4	0.0351	1.087	0.111	-0.04	1	0.18	1.113	1.109	0.0389	-0.0689	0.1722	-0.26267	0.1757	-0.0681	-0.378	-0.421	-0.42
711	1.326	11.18	0.963	0.0353	0.342	0.0533	0.012	1	0.209	0.361	0.047	0.026	-0.0819	0.2253	0.40988	0.143	0.0969	0.464	0.1677	0.022
710	-0.04	10.53	-0.27	0.0355	1.74	0.2735	0.022	1	0.436	1.619	1.604	-0.024	-0.0873	0.2622	-0.21314	0.1448	-0.1051	-0.241	-0.391	-0.39
709	-0.11	10.77	-0.31	0.0356	0.002	0.0292	0.08	1	0.703	1.989	1.973	-0.004	-0.0821	0.1272	-0.32889	0.1566	-0.2959	-0.421	-0.836	-0.83
706	0.241	10.08	0.01	0.0358	0.203	0.0472	0.071	0	0.587	0.339	0.337	-0.096	-0.0711	0.228	0.47732	0.0908	0.0063	0	0.0037	0.004
705	0.195	9.973	0.01	0.036	0.549	0.0691	-0	0	0.603	0.324	0.286	0.0196	-0.0619	0.3497	0.17982	0.0719	0.0074	0	0.004	0.003
700	5.615	11.38	-0.06	0.0361	1.219	0.0971	0.067	1	0.392	0.752	0.697	-0.133	-0.0909	0.2216	-0.18039	0.1739	-0.0192	-0.049	-0.037	-0.03
699	2.962	11.31	-0	0.0361	0.437	0.0683	0.019	1	0.533	0.845	0.837	-0.131	-0.1142	0.3216	-0.13345	0.1985	-0.0022	-0.004	-0.003	-0
698	3.014	11.37	-0.13	0.0369	0.236	0.0328	-0.01	1	0.343	0.582	0.568	0.005	-0.093	0.1925	-0.39002	0.1524	-0.0313	-0.091	-0.053	-0.05
694	1.546	12.07	0.031	0.037	-0.01	0.021	9E-04	1	0.839	0.59	0.552	0.1189	0.15112	0.02	-0.51675	-0.157	0.0347	0.0413	0.0244	0.023
693	1.517	12.01	0.034	0.0373	0.566	0.0934	0.12	1	0.521	0.304	0.265	-0.19	0.08978	-0.012	-0.08761	-0.075	0.0155	0.0298	0.0091	0.008
692	1.627	12.08	0.111	0.0375	0.537	0.1714	0.05	1	0.852	0.471	0.419	-0.091	0.09765	-0.077	-0.14374	-0.207	0.1169	0.1371	0.0646	0.057
688	1.166	12.21	0.013	0.0375	1.18	0.1995	0.193	0	0.123	0.493	0.143	0.0097	0.05798	0.0931	0.10543	-0.016	0.002	0	0.0079	0.002
687	1.973	12.21	0.162	0.0375	0.681	0.0659	0.073	0	0.152	0.904	0.486	-0.012	0.14517	-0.045	0.33879	-0.146	0.0409	0	0.2436	0.131
686	-4.47	11.84	-0.2	0.0377	1.071	0.1818	0.117	0	0.202	1.265	0.705	0.1747	-0.0225	0.0122	-0.38224	-0.091	-0.0442	0	-0.277	-0.15
685	-4.7	11.91	-0.04	0.0378	0.801	0.1587	0.137	0	0.139	1.093	0.619	0.2049	-0.0443	-0.172	-0.11476	-0.041	-0.0054	0	-0.042	-0.02
682	1.379	12.04	0.026	0.0378	1.353	0.4635	0.099	0	0.339	0.416	0.239	0.0462	-0.0739	0.1393	0.01357	0.0593	0.0086	0	0.0105	0.006
681	0.248	11.27	0.02	0.0381	0.072	0.0435	9E-04	0	0.348	0.453	0.273	0.0229	-0.0753	0.2326	0.03903	0.0942	0.0069	0	0.0089	0.005
680	0.347	11.37	0.01	0.0381	1.004	0.1483	0.205	0	0.321	0.517	0.458	0.0157	-0.0738	0.1981	0.0383	0.0846	0.0033	0	0.0052	0.005
679	2.397	11.43	0.011	0.0384	0.339	0.0714	-0.1	0	0.313	0.894	0.441	0.0318	-0.081	0.103	0.04064	0.0726	0.0033	0	0.0094	0.005
676	0.75	10.77	0.1	0.0385	0.375	0.0397	-0.02	1	0.387	0.28	0.223	-0.167	-0.2148	0.2592	-0.23131	0.1291	0.0347	0.0896	0.0251	0.02
675	0.288	10.29	0.124	0.0386	0.403	0.0735	0.117	1	0.878	0.636	0.571	-0.153	-0.2528	0.3914	-0.4112	0.1392	0.1482	0.1688	0.1074	0.096
674	0.174	9.954	0.106	0.0387	1.032	0.3035	0.043	1	0.551	0.63	0.605	-0.58	-0.0834	0.3039	0.4249	0.0737	0.0818	0.1485	0.0936	0.09

673	0.538	10.35	-0.13	0.0389	0.162	0.341	0.069	1	0.116	0.209	0.209	-0.055	-0.1035	-0.188	-0.04108	0.1894	-0.0085	-0.073	-0.015	-0.02
669	0.385	11.17	0.367	0.039	4E-04	0.0414	0.424	0	0.438	0.739	0.157	-0.059	-0.0809	0.2049	0.11912	0.1034	0.1367	0	0.2305	0.049
668	-0.01	10.25	-0.14	0.0391	0.062	0.0442	0.002	0	0.435	1.635	1.617	-0.097	-0.0694	0.2231	-0.28982	0.1216	-0.0621	0	-0.233	-0.23
664	-0.33	11.04	0.101	0.0392	0.703	0.1204	0.071	1	0.219	1.311	1.281	-0.007	-0.0988	0.2471	0.12086	0.1509	0.0157	0.0714	0.0937	0.091
663	-0.01	9.352	0.037	0.0394	1.01	0.1557	0.212	1	0.663	2.353	2.226	-0.062	-0.1311	0.2858	0.05755	0.174	0.0345	0.0521	0.1225	0.116
662	-0.01	9.574	-0.21	0.0396	0.423	0.0189	0.107	1	0.498	2.748	2.606	0.0112	-0.0863	0.303	-0.22678	0.1405	-0.1285	-0.258	-0.709	-0.67
661	-0.03	10.02	-0.67	0.0404	0.69	0.0858	0.178	1	0.327	2.53	2.505	0.0257	-0.0234	0.0836	-0.67963	0.1383	-0.2472	-0.757	-1.915	-1.9
657	0.542	11.8	0.021	0.0406	1.697	0.0683	0.107	0	0.757	0.749	0.722	0.019	-0.05	0.2076	0.0871	0.0935	0.0161	0	0.0159	0.015
656	0.393	11.59	0.053	0.0408	0.519	0.1725	0.128	0	0.883	0.93	0.896	0.0176	-0.0445	0.5902	0.13726	0.1005	0.055	0	0.0579	0.056
655	0.609	11.64	-0.09	0.0412	0.765	0.1203	0.052	0	0.368	1.019	0.798	0.0465	-0.029	0.2035	-0.08114	0.0991	-0.0396	0	-0.11	-0.09
652	0.807	10.72	0.001	0.0413	0.335	0.0284	0.133	1	0.592	0.696	0.573	-0.012	-0.1015	0.1702	-0.1396	0.1528	0.0007	0.0011	0.0008	6E-04
651	1.8	11.07	0.016	0.0415	8E-04	0.0511	0.211	1	0.651	0.795	0.677	0.0208	0.02099	0.384	0.1355	0.2034	0.0107	0.0165	0.0131	0.011
650	1.119	10.83	0.003	0.0416	0.675	0.0836	0.171	1	0.991	1.132	0.771	-0.162	-0.129	-0.834	-0.1148	-0.948	0.0047	0.0048	0.0054	0.004
649	1.273	10.88	-0.11	0.0421	0.868	0.0704	0.12	1	794.8	744.4	727.9	-0.006	-30.923	0.2159	-111.662	56.343	-93862	-118.1	-87914	#####
640	1.731	10.25	-0.02	0.0423	0.44	0.09	-0.21	0	4.789	4.75	4.741	0.5303	-0.478	1.3461	-2.80138	0.7911	-0.6061	0	-0.601	-0.6
639	2.247	10.47	-0.28	0.0423	0.401	0.043	-0	0	0.46	0.284	0.281	0.0028	0.27027	0.2372	-0.40671	0.0925	-0.0975	0	-0.06	-0.06
638	2.037	10.6	0.035	0.0428	1.029	0.0708	0.06	0	2.101	0.848	0.84	-1.019	0.15033	-0.068	-0.24351	-0.112	0.205	0	0.0827	0.082
628	1.258	13.19	0.06	0.043	5.092	0.2385	-0.01	0	0.34	0.627	0.153	0.1189	-0.1047	-0.103	-0.06655	-0.208	0.0243	0	0.0448	0.011
627	0.892	12.98	0.015	0.043	0.772	0.1362	-0.03	0	0.226	0.504	0.142	0.0021	-0.1007	-0.044	0.00895	-0.146	0.0034	0	0.0076	0.002
626	0.514	12.75	0.065	0.043	0.534	0.0923	0.088	0	0.878	1.554	0.771	0.1501	-0.1282	-0.399	-0.05959	-0.501	0.1744	0	0.3087	0.153
625	1.496	12.71	0.225	0.0432	1.202	0.0853	0.043	0	0.644	0.67	0.132	0.2417	-0.1235	-0.548	0.08541	-0.332	0.1838	0	0.1911	0.038
622	1.726	12.89	0.066	0.0433	0.484	0.0684	0.046	1	0.128	0.489	0.068	0.1006	-0.0753	0.1309	-0.00307	0.0433	0.0075	0.0585	0.0286	0.004
621	0.652	12.4	0.091	0.0433	0.974	0.1359	0.055	1	0.151	0.642	0.054	0.0888	-0.0913	-0.064	0.6188	-0.17	0.0132	0.0873	0.056	0.005
620	0.933	12.41	-0.01	0.0436	0.944	0.2169	0.052	1	0.131	0.787	0.062	0.0405	-0.0831	0.1876	0.01086	0.0625	-0.0007	-0.005	-0.004	-0
619	3.542	12.6	-0.08	0.0437	0.156	0.0353	0.028	1	0.131	1.069	0.038	0.1019	-0.082	0.0391	-0.06009	0.0462	-0.0116	-0.089	-0.095	-0
616	-0.12	9.61	0.938	0.0442	0.915	0.2205	0.04	1	0.677	1.679	1.094	-0.191	0.13963	0.0549	0.54061	0.0914	0.5481	0.8095	1.3587	0.886
615	-0.1	9.802	-0.47	0.0443	0.395	0.0586	0.015	1	0.487	1.87	1.826	-0.11	0.11637	0.2195	-0.52903	0.1559	-0.1626	-0.334	-0.624	-0.61
614	-0.17	9.895	0.075	0.0444	0.332	0.0272	0.126	1	0.429	1.372	1.354	-0.004	0.03131	0.1609	-0.2799	0.2311	0.0241	0.0562	0.0771	0.076
613	-0.13	9.822	-0.41	0.045	1.191	0.135	0.055	1	0.653	1.676	1.676	-0.045	0.04019	-0.882	-0.31124	-0.015	-0.2678	-0.41	-0.688	-0.69
609	0.327	10.62	0.023	0.0451	0.623	0.0527	0.068	1	0.768	0.761	0.345	-0.057	-0.0165	0.133	-0.06279	0.0616	0.0169	0.022	0.0168	0.008
608	0.383	10.64	0.021	0.0465	0.703	0.1472	0.127	1	1.147	1.158	0.52	-0.051	0.01101	0.2562	-0.16908	-0.053	0.0337	0.0294	0.034	0.015
607	0.592	10.77	0.011	0.0466	0.721	0.0295	0.047	1	1.063	1.046	0.31	0.0265	0.0108	-0.302	-0.04058	-0.138	0.0149	0.014	0.0147	0.004
604	0.767	10.26	-0.2	0.047	0.403	0.177	-0.01	0	0.305	0.034	0.034	-0.177	0.20286	0.1664	0.06925	0.064	-0.0518	0	-0.006	-0.01
603	0.21	9.788	-0.13	0.0476	0.406	0.0718	0.019	0	0.403	0.022	0.022	-0.052	0.14941	0.1933	0.0106	0.0909	-0.0445	0	-0.002	-0
602	3.684	11.09	-0.13	0.0479	0.506	0.1237	0.032	0	0.689	0.057	0.057	-0.209	0.357	0.0476	0.13117	-0.055	-0.1047	0	-0.009	-0.01
601	5.345	11.14	-0.04	0.0484	1.354	0.0822	0.134	0	5.136	0.866	0.637	-2.455	2.85094	-0.984	1.84974	-1.086	-1.614	0	-0.272	-0.2
597	0.355	10.39	0.109	0.0485	0.021	0.0145	-0	1	0.597	0.77	0.178	-0.075	-0.1136	0.1618	0.05746	0.0776	0.0664	0.1113	0.0857	0.02
596	0.375	10.15	0.023	0.0486	0.22	0.2039	0.145	1	0.701	0.988	0.411	-0.003	-0.1226	0.1618	-0.1059	0.0333	0.0182	0.026	0.0257	0.011
595	0.796	10.39	-0.06	0.0488	-0	0.1143	0.053	1	0.662	0.989	0.392	0.0013	-0.1116	-0.041	-0.06773	0.0359	-0.0421	-0.064	-0.063	-0.02
592	1.588	12.88	0.039	0.0489	0.351	0.1531	0.164	1	0.466	0.692	0.24	-0.014	-0.0583	0.0561	-0.20372	-0.011	0.0184	0.0396	0.0274	0.01
591	1.861	12.93	0.053	0.049	0.333	0.0238	0.013	1	0.551	0.825	0.334	-0.147	-0.0621	0.1306	-0.0877	-0.017	0.0341	0.0618	0.051	0.021
590	1.642	12.85	0.058	0.0492	0.606	0.0594	-0.01	1	0.418	0.69	0.482	-0.02	-0.0727	0.0878	-0.17115	-0.027	0.0248	0.0594	0.041	0.029
589	2.356	12.94	0.051	0.0499	0.063	0.093	0.018	1	0.496	0.833	0.372	0.1049	-0.0956	-0.632	-0.01212	-0.067	0.0301	0.0607	0.0506	0.023
586	0.349	10.7	0.047	0.0499	1.648	0.0606	-0.11	1	0.739	0.147	0.141	-0.104	-0.1007	0.1207	-0.03516	0.055	0.0361	0.0488	0.0072	0.007
585	0.335	10.67	0.03	0.0499	0.674	0.087	-0.02	1	0.681	0.157	0.15	0.0429	-0.0657	0.1458	-0.08464	0.0156	0.0208	0.0305	0.0048	0.005
584	0.366	10.71	0.136	0.0504	0.405	0.0711	-0.12	1	0.709	0.147	0.142	-0.036	-0.0887	0.0546	0.09599	-0.041	0.1034	0.1458	0.0214	0.021
583	0.556	10.83	0.132	0.0517	0.816	0.4413	0.009	1	0.817	0.245	0.23	0.2886	-0.079	-0.438	0.01273	-0.045	0.1392	0.1704	0.0417	0.039
578	0.452	10.65	0.005	0.0521	0.078	0.0231	0.006	1	0.386	0.651	0.426	0.069	-0.0911	0.0684	-0.37312	0.096	0.002	0.0052	0.0034	0.002
577	0.491	10.68	-0.04	0.0523	0.172	0.065	0.022	1	0.543	0.717	0.585	-0.086	-0.0991	-0.25	0.05908	0.0579	-0.0238	-0.044	-0.031	-0.03
574	1.966	11.72	-0.2	0.053	0.606	0.0493	-0	1	0.548	0.454	0.424	5E-05	0.07188	-0.041	-0.2644	0.0326	-0.0876	-0.16	-0.073	-0.07
573	1.869	11.87	-0.07	0.0535	0.721	0.1047	-0	1	0.797	0.508	0.46	-0.126	0.03414	0.191	-0.12701	0.0833	-0.0588	-0.074	-0.037	-0.03
572	1.107	11.76	0.151	0.0541	1.287	0.0581	0.168	1	1.28	0.547	0.538	-0.263	0.02811	0.0411	0.22174	-0.287	0.2915	0.2277	0.1245	0.123
571	1.23	11.56	0.205	0.0547	0.181	0.0428	0.023	1	0.89	0.505	0.505	0.0101	-0.0173	-0.599	0.20107	-0.301	0.2018	0.2268	0.1145	0.115
567	1.628	11.81	0.422	0.0562	0.379	0.0789	0.082	1	0.302	0.456	0.31	-0.38	-0.1377	-0.059	-0.01482	0.0441	0.0702	0.2325	0.106	0.072
566	-3.92	11.81	-0.01	0.0567	0.147	0.1292	0.133	1	0.813	1.23	0.881	-0.243	-0.1477	0.3113	-0.3735	0.1452	-0.0121	-0.015	-0.018	-0.01
565	-23.6	12.12	-0.09	0.057	0.517	0.1484	0.003	1	0.799	1.235	0.892	-0.428	-0.1424	-0.083	0.04498	0.1415	-0.0833	-0.104	-0.129	-0.09
562	0.297	10.96	-0.03	0.0574	5E-04	0.0072	0.022	1	0.393	0.149	0.144	-0.129	-0.1552	0.3142	-0.22317	0.2549	-0.0094	-0.024	-0.004	-0
561	0.321	11.01	-0.01	0.0575	1.336	0.0568	0.056	1	0.497	0.218	0.214	-0.089	-0.1919	0.3299	-0.25229	0.2321	-0.0056	-0.011	-0.002	-0
560	0.681	11.35	0.041	0.0575	1.263	0.1402	0.06	1	0.484	0.172	0.169	-0.139	-0.2351	0.3725	-0.27085	0.2606	0.0197	0.0406	0.007	0.007
559	0.637	11.3	0.012	0.0576	1.557	0.0682	-0.13	1	0.539	0.227	0.227	-0.114	-0.2322	-0.174	-0.02223	0.3059	0.0075	0.0139	0.0032	0.003
556	0.482	10.65	-0.05	0.0577	0.147	0.0695	-0.06	1	0.262	0.798	0.233	0.0664	-0.0637	0.2202	-0.0323	0.1323	-0.0127	-0.049	-0.039	-0.01
555	0.338	10.65	0.036	0.058	1.113	0.0878	0.101	1	0.265	0.735	0.2	0.0212	-0.065	0.2207	0.09038	0.1267	0.0084	0.0316	0.0233	0.006
554	-0.49	10.87	-0.04	0.0585	0.432	0.0763	0.052	1	0.258	1.065	0.142	0.0075	-0.0693	0.2402	0.03909	0.1125	-0.0088	-0.034	-0.036	-0
553	-0.85	11	0.003	0.0586	0.814	0.1301	0.021	1	0.256	1.088	0.225	0.0296	-0.0685	0.1639	0.09139	0.1054	0.0008	0.0032	0.0035	7E-04
550	0.879	11.15	0.068	0.0594	0.237	0.2673	0.077	1	0.637	0.316	0.24	0.0243	-0.1425	0.0159	-0.35044	-5E-04	0.0432	0.0678	0.0214	0.016
549	0.64	10.95	0.078	0.0597	0.697	0.1115	0.115	1	0.528	0.392	0.315	0.0163	-0.1443	0.1179	-0.30807	0.0114	0.039	0.0739	0.029	0.023
548	0.585	10.83	0.032	0.0604	1.501	0.0559	0.031	1	0.606	0.586	0.485	-0.071	-0.1633	0.1905	-0.22329	0.1147	0.0213	0.0351	0.0206	0.017
547	0.873	11.02	0.092	0.0607	0.831	0.0756	0.177	1	0.826	0.634	0.542	-0.005	-0.1958	-0.686	0.07683	-0.009	0.1017	0.123	0.078	0.067
538	3.805	11.65	0.117	0.0618	0.771	0.1034	0.138	0	0.462	0.171	0.153	0.0939	-0.079	0.0839	-0.27663	-0.008	0.0629	0	0.0234	0.021
537	5.322	11.73	0.039	0.0623	1.342	0.0848	0.002	0	0.375	0.125	0.116	0.0601	0.10327	0.8249	0.04367	0.7357	0.0134	0	0.0045	0.004
536	4.814	11.72	0.019	0.0626	0.788	0.1456	0.06	0	0.768	0.241	0.225	0.0019	0.04034	0.0318	-0.27919	-0.033	0.0233	0	0.0073	0.007
531	0.764	10.38	0.004	0.0629	1.332	0.0951	0.018	0	0.067	0.875	0.138	0.0179	0.02633	0.008	-0.0053	-0.094	0.0003	0	0.0034	5E-04
530	0.959	10.8	-0.08	0.0631	1.535	0.101	0.202	0	0.066	0.686	0.587	0.0133	-0.0792	0.0306	-0.03909	-0.069	-0.0051	0	-0.053	-0.05
529	1.03	10.96	-0.16	0.0642	0.85	0.0581	0.208	0	0.089	0.697	0.612	0.0631	-0.0853	-8.045	-0.10262	-0.05	-0.0146	0	-0.114	-0.1
526	3.356	13.3	0.138	0.0651	0.19	0.0431	-0.01	1	0.709	0.428	0.174	0.0522	-0.0398	-0.1	-0.2893	-0.132	0.1015	0.1433	0.0613	0.025
525	3.086	13.22	0.17	0.0654	0.138	0.0453	-0.01	1	0.737	0.467	0.224	0.0267	-0.0696	-0.038	-0.26727	-0.144	0.1301	0.1765	0.0824	0.04
524	0.676	12.47	0.101	0.0656	2.482	0.1422	0.142	1	0.793	0.596	0.314	-0.114	-0.1081	0.1114	-0.20291	-0.127	0.0889	0.1121	0.0668	0.035
523	16.63	13.83	0.119	0.0657	0.378	0.1057	0.13	1	0.816	0.692	0.31	0.0088	-0.1016	-0.512	0.06155	-0.141	0.1275	0.1562	0.1081	0.048
520	1.048	11.9	0.073	0.0662	1.074	0.0868	0.043	0	191.8	577.6	125.1	72.212	86.5835	-102	2.03847	-102.1	13062	0	39330	8520
519	-0.24	11.56	64.32	0.0663	0.684	0.0842	0.131	0	0.298	0.951	0.165	0.1782	-0.1011	-0.044	-0.07068	-0.05	0.0263	0	0.084	0.015

518	-0.78	11.48	0.133	0.0664	0.033	0.045	0.044	0	0.197	0.773	0.108	0.0795	-0.0962	0.1066	0.0454	0.0047	0.0163	0	0.0638	0.009
517	0.557	11.37	0.17	0.0665	0.831	0.4301	0.017	0	0.191	0.795	0.124	0.0652	-0.0849	-0.009	0.26262	0.0474	0.031	0	0.129	0.02
514	0.751	11.19	0.073	0.0666	0.673	0.0997	0.02	1	0.703	0.591	0.582	0.0865	-0.049	0.1291	-0.2548	0.0287	0.0468	0.0666	0.0394	0.039
513	0.373	10.82	0.061	0.0673	16.72	3.3635	1.845	1	0.801	0.81	0.542	0.0439	-0.0399	0.1541	-0.154	0.0125	0.0548	0.0685	0.0554	0.037
512	0.382	10.77	0.076	0.0678	0.447	0.0796	0.159	1	1.095	1.034	0.935	-0.081	-0.0041	0.0884	-0.09559	-0.067	0.1177	0.1075	0.1111	0.101
511	0.681	10.89	0.077	0.0678	0.436	0.0234	0.034	1	0.936	0.782	0.328	-0.087	0.01639	-0.628	0.17432	-0.119	0.0783	0.0837	0.0654	0.027
508	0.731	11.52	0.002	0.0679	0.016	0.0212	0.004	0	0.529	0.698	0.603	-0.26	0.0986	0.115	-0.59103	-0.025	0.0011	0	0.0014	0.001
507	0.807	11.56	0.032	0.0682	0.262	0.0163	0.006	0	0.597	0.605	0.543	-0.204	0.15239	-2.145	-0.5575	-2.309	0.0215	0	0.0218	0.02
506	0.491	11.31	0.073	0.0683	9.831	0.1908	0.017	0	0.526	0.525	0.525	-0.134	0.08609	0.0092	-0.1145	-0.088	0.0397	0	0.0396	0.04
505	0.131	10.53	0.082	0.0685	0.31	0.0486	0.049	0	0.747	0.795	0.65	0.0815	0.0486	-1.303	-0.07316	-0.067	0.0712	0	0.0757	0.062
501	0.19	11.03	0.051	0.0687	0.542	0.0359	0.042	1	0.255	0.63	0.217	0.0005	-0.0991	0.2509	0.02904	0.1745	0.0113	0.0443	0.0279	0.01
500	0.217	11.04	-0.02	0.0693	0.688	0.1245	-0	1	0.283	0.76	0.474	0.0189	-0.1042	0.2559	-0.06797	0.1176	-0.0049	-0.017	-0.013	-0.01
499	0.976	11.64	-0.1	0.0697	0.117	0.0221	0.014	1	0.319	0.863	0.454	0.0842	-0.0982	-0.112	-0.09601	0.0952	-0.0337	-0.106	-0.091	-0.05
496	-0.99	11.2	0.131	0.0699	0.17	0.0875	0.138	1	0.499	0.287	0.285	-0.13	-0.0222	0.0836	0.13362	-0.014	0.0081	0.0163	0.0047	0.005
495	0.499	11.33	0.937	0.0704	0.331	0.056	-0.07	1	0.205	0.295	0.175	-0.061	-0.0336	0.1774	0.57517	0.0674	0.1	0.4875	0.1437	0.085
494	11.67	12.63	0.005	0.0705	0.011	0.0061	-0.16	1	0.211	0.915	0.634	-0.023	-0.0258	0.1941	0.02027	0.102	0.0013	0.0061	0.0056	0.004
493	18.64	12.82	0.003	0.0706	0.547	0.0589	0.046	1	0.308	1.052	0.629	0.1194	0.02128	-0.001	-0.04347	0.1198	0.0013	0.0041	0.0044	0.003
490	0.983	10.82	0.024	0.0709	0.017	0.0241	0.007	0	0.148	0.802	0.802	0.0295	-0.0254	0.1316	-0.01405	0.0357	0.0039	0	0.0213	0.021
489	0.186	10.61	0.015	0.0709	0.682	0.0082	0.206	0	0.15	0.007	0.007	0.0378	-0.0438	0.1712	-0.00691	0.0699	0.0023	0	0.0001	1E-04
488	0.67	10.61	0.026	0.071	1.518	0.0813	-0.09	0	0.201	0.813	0.794	0.0028	-0.0545	0.1501	-0.01085	0.0349	0.0058	0	0.0236	0.023
487	0.908	10.71	0.025	0.0714	0.729	0.0386	0.039	0	0.185	0.767	0.747	0.0224	-0.0555	-0.148	0.09185	0.0067	0.0049	0	0.0204	0.02
484	1.39	12.24	0.069	0.0714	0.515	0.0438	0.062	1	0.247	0.877	0.158	0.0134	-0.0852	0.2142	0.04316	0.1091	0.0168	0.0678	0.0595	0.011
483	3.161	11.86	0.306	0.0714	0.166	0.1204	0.169	1	0.191	0.807	0.314	0.016	-0.0937	0.2006	0.24163	0.1097	0.048	0.2517	0.2032	0.079
482	-0.11	11.63	-0.08	0.0721	1.025	0.0621	-0.01	1	0.302	1.283	0.943	0.0369	-0.1001	0.202	-0.11951	0.0955	-0.025	-0.083	-0.106	-0.08
481	-0.44	12.06	-0.21	0.0722	0.019	0.239	-0.07	1	0.357	1.429	1.095	0.0488	-0.1025	-0.014	-0.21263	0.0821	-0.0894	-0.251	-0.358	-0.27
478	2.385	13.42	0.106	0.0723	0.254	0.0428	0.051	1	0.772	0.412	0.392	-0.018	-0.154	0.147	-0.234	0.0363	0.0918	0.119	0.049	0.047
477	1.645	13.2	0.135	0.0724	1.129	0.0638	0.068	1	0.854	0.427	0.411	0.0033	-0.1622	0.1001	-0.24158	-0.022	0.1326	0.1552	0.0663	0.064
476	2.03	13.22	0.155	0.0729	0.316	0.3544	0.052	1	1.026	0.484	0.467	-0.122	-0.1776	0.2184	-0.11704	-0.058	0.1975	0.1925	0.0932	0.09
475	4.093	13.4	0.207	0.073	1.39	0.1747	0.078	1	1.13	0.586	0.565	-0.237	-0.19	-0.715	0.43897	-0.131	0.314	0.2777	0.1627	0.157
472	0.835	10.51	-0.07	0.0739	0.352	0.0516	0.027	0	0.7	0.558	0.541	-0.258	-0.0367	0.2762	-0.09041	0.1717	-0.0524	0	-0.042	-0.04
466	0.555	11.19	0.038	0.0739	0.073	0.0843	0.007	1	0.516	0.288	0.229	-0.051	-0.1581	0.2605	-0.23632	0.1679	0.02	0.0387	0.0112	0.009
465	0.665	11.25	0.039	0.0742	0.233	0.0492	-0	1	0.461	0.299	0.222	-0.046	-0.1546	0.276	-0.21778	0.1587	0.0179	0.039	0.0116	0.009
464	0.776	11.3	0.301	0.0744	0.469	0.0435	0.038	1	0.465	0.323	0.19	-0.018	-0.1537	0.2582	-0.0488	0.2019	0.1343	0.2887	0.0934	0.055
463	0.978	11.39	0.092	0.0747	0.109	0.0609	0.036	1	0.628	0.445	0.282	0.1546	-0.1602	-0.746	-0.00199	0.1036	0.0671	0.107	0.0475	0.03
460	-0.01	9.799	-0.95	0.0748	0.038	0.015	0.047	1	0.375	5.329	5.187	-0.04	-0.037	0.1592	-0.58222	0.2419	-0.2175	-0.58	-3.09	-3.01
459	-0.01	9.945	-0.08	0.0749	0.036	0.0184	0.029	1	0.517	4.069	3.949	-0.035	-0.0389	0.1915	-0.0662	0.095	-0.0321	-0.062	-0.252	-0.25
458	-0.02	10.1	-0.57	0.0753	0.109	0.1089	0.064	1	0.517	3.502	3.377	-0.022	-0.0534	0.2067	-0.48633	0.0702	-0.2467	-0.477	-1.67	-1.61
457	-0.01	9.577	-0.74	0.0754	0.124	0.0176	0.006	1	0.483	2.856	2.757	0.0058	-0.0534	-0.156	-0.54511	0.0655	-0.3207	-0.663	-1.895	-1.83
452	0.846	11.03	0.144	0.0754	0.441	0.0956	-0.01	1	0.38	0.459	0.295	0.1633	-0.1417	0.0924	-0.15972	-0.018	0.0561	0.1475	0.0677	0.044
448	1.987	11.11	0.033	0.0772	0.167	0.0689	0.013	0	1.228	0.609	0.609	-0.049	-0.057	0.1914	-0.42646	0.0906	0.0576	0	0.0286	0.029
447	1.956	11.07	0.041	0.0779	-0.31	0.0061	0.004	0	1.369	0.374	0.363	-0.313	0.0441	0.0872	-0.03249	-0.014	0.0954	0	0.0261	0.025
440	1.212	11.39	0.032	0.078	0.573	0.115	0.063	1	0.781	0.107	0.094	0.0918	-0.2432	0.5282	-0.46543	0.3323	0.0229	0.0294	0.0032	0.003
439	1.1	11.35	0.086	0.0782	1.302	0.1643	-0.44	1	1.211	0.265	0.25	-0.216	-0.2759	-0.522	0.22852	0.3159	0.1473	0.1216	0.0322	0.03
436	1.51	12.21	0.02	0.0786	0.829	0.1065	0.174	1	0.13	0.573	0.084	0.0292	-0.1022	0.2234	0.01647	0.1168	0.0025	0.0194	0.0111	0.002
435	1.026	12.02	0.065	0.0791	1.34	0.1609	0.072	1	0.131	0.605	0.086	0.0274	-0.0951	0.2055	0.0654	0.104	0.0083	0.0629	0.0381	0.005
434	1.422	12.08	0.065	0.081	0.784	0.0673	0.111	1	0.115	0.627	0.256	0.0481	-0.0835	0.2071	0.04233	0.1069	0.0066	0.0575	0.0361	0.015
433	1.364	11.95	-0.04	0.0819	0.187	0.1344	0.155	1	0.176	0.772	0.212	0.0206	-0.0957	-0.013	0.04852	0.0774	-0.007	-0.04	-0.031	-0.01
430	2.488	11.62	0.129	0.0821	0.431	0.0946	-0.11	1	0.45	0.469	0.355	-0.061	1.31603	-1.261	-0.72967	-1.363	0.0668	0.1485	0.0697	0.053
429	7.775	11.6	0.154	0.0823	0.379	0.3486	-0.03	1	0.538	0.917	0.405	-0.013	-0.2614	-1.292	-0.77074	-1.408	0.0964	0.1791	0.1641	0.072
428	3.326	11.54	0.123	0.0826	0.531	0.0975	0.114	1	0.528	0.569	0.468	-0.03	1.0832	-1.013	-0.72665	-1.143	0.0733	0.1387	0.0789	0.065
427	5.104	11.63	0.14	0.0831				1	0.743	0.769	0.546	0.3434	0.94944	-2.644	-0.33628	-1.069	0.1441	0.1938	0.149	0.106
423	-0.21	10.86	-0.01	0.0835	-0.45	0.0646	0.268	1	0.191	1.002	0.17	0.0025	-0.0905	0.2446	-0.01411	0.1228	-0.0016	-0.008	-0.008	-0
422	-0.25	10.89	-0.09	0.0836	0.112	0.023	0.007	1	0.229	1.25	1.17	-0.011	-0.0878	0.2392	-0.08078	0.1434	-0.0236	-0.103	-0.129	-0.12
421	78.26	11.65	-0.14	0.0837	0.293	0.0227	0.068	1	0.235	1.144	1.065	-0.005	-0.0923	-0.046	-0.05894	0.1437	-0.0387	-0.165	-0.188	-0.18
418	0.7	11.4	-0.05	0.0839	0.713	0.0946	0.095	1	0.394	0.322	0.139	0.0204	-0.1117	0.2991	-0.08992	0.216	-0.0176	-0.045	-0.014	-0.01
417	1.555	11.78	0.002	0.0844	1.213	0.1993	-0.01	1	0.418	0.373	0.279	0.0412	-0.1124	0.2364	-0.0736	0.1665	0.0008	0.002	0.0007	6E-04
416	1.647	11.81	0.041	0.0846	0	0.1742	0.075	1	0.427	0.435	0.154	0.0311	-0.1244	0.2498	-0.06098	0.0784	0.016	0.0375	0.0163	0.006
415	1.393	11.7	0.005	0.0851	0.667	0.0613	0.007	1	0.538	0.61	0.206	0.1553	-0.1351	-0.284	-0.05499	0.0254	0.003	0.0057	0.0035	0.001
412	0.755	10.31	-0.16	0.0856	0.184	0.1227	0.162	1	0.401	0.627	0.298	-0.106	-0.047	0.2207	-0.19219	0.209	-0.0451	-0.112	-0.071	-0.03
411	0.249	10.29	0.01	0.0873	0.11	0.0995	-0.05	1	0.62	0.74	0.321	-0.073	-0.0511	0.2242	-0.06245	0.133	0.0058	0.0093	0.0069	0.003
410	0.53	10.62	0.014	0.0874	0.002	0.0061	-0.03	1	0.604	0.74	0.269	0.0872	-0.0893	0.1313	-0.28102	0.0563	0.0077	0.0128	0.0094	0.003
409	0.57	10.62	0.01	0.0876	1.924	0.4078	0.205	1	1.121	1.274	0.595	-0.113	-0.1068	-0.448	0.0916	-0.06	0.0172	0.0153	0.0196	0.009
406	2.105	11.93	0.116	0.0876	0.088	0.0371	-0.04	0	1.077	0.838	0.823	-0.264	-0.215	0.2155	-0.62336	0.0813	0.1504	0	0.1171	0.115
405	0.612	11.19	0.111	0.0883	0.013	0.0071	-0.01	0	1.125	0.942	0.904	-0.339	-0.2185	0.3125	-0.57498	0.137	0.1536	0	0.1287	0.123
404	1	11.11	0.061	0.089	1.445	0.3802	0.077	0	0.863	0.935	0.593	-0.166	-0.2164	0.2722	-0.49262	0.1335	0.0573	0	0.0621	0.039
403	2.456	11.27	-0.02	0.0892	0.92	0.6003	0.217	0	0.704	0.934	0.559	-0.069	-0.1904	-0.71	-0.11924	0.1539	-0.0178	0	-0.024	-0.01
400	0.147	10.85	0.295	0.0896	0.025	0.0215	0.001	0	0.319	0.288	0.191	0.0229	-0.0673	0.2819	0.3286	0.0964	0.0896	0	0.0811	0.054
399	0.106	10.32	0.014	0.09	0.019	0.0317	0.003	0	0.196	0.681	0.577	0.0184	-0.0677	0.2025	0.06656	0.1002	0.0025	0	0.0088	0.007
398	0.263	10.69	-0.1	0.0902	7E-04	0.0065	-0	0	0.243	0.663	0.557	0.0229	-0.0667	0.2023	-0.04072	0.0999	-0.0212	0	-0.058	-0.05
397	0.186	10.85	-0.25	0.0918	0.411	0.1203	0.271	0	0.279	0.42	0.343	0.0156	-0.1027	-0.039	-0.21986	-0.072	-0.0519	0	-0.078	-0.06
394	0.853	10.63	0.071	0.0923	0.454	0.1427	0.125	1	0.748	0.189	0.178	-0.067	-0.0058	0.1214	-0.19501	0.0031	0.0555	0.0742	0.014	0.013
393	0.459	10.35	0.107	0.0934	0.126	0.0085	-0.06	1	0.718	0.164	0.157	-0.012	-0.0503	0.1889	-0.20437	0.0429	0.0751	0.1046	0.0171	0.016
392	0.429	10.3	0.1	0.0936	1.018	0.0584	0.041	1	0.77	0.22	0.212	0.0724	-0.0873	0.0472	-0.30456	0.0685	0.0788	0.1023	0.0225	0.022
391	0.707	10.5	0.104	0.0936	1.68	0.4544	-0.07	1	0.795	0.257	0.252	0.079	-0.1032	-0.931	0.10945	0.037	0.0885	0.1114	0.0287	0.028
388	1.013	11.63	0.071	0.095	-0.39	0.059	0.007	1	0.345	0.65	0.448	0.0517	-0.083	0.1099	-0.14842	-0.028	0.0357	0.1036	0.0673	0.046
387	0.748	11.41	0.089	0.0953	0.348	0.1304	0.152	1	0.32	0.381	0.268	0.117	-0.0963	0.0736	-0.19231	-0.031	0.0312	0.0975	0.0371	0.026
386	0.417	11.05	0.069	0.0956	0.008	0.1476	0.037	1	0.341	0.523	0.423	0.0681	-0.1063	0.0895	-0.15158	-0.01	0.0281	0.0823	0.0431	0.035
385	0.734	11.24	0.073	0.0959	0.929	0.0445	0.069	1	0.456	0.558	0.369	0.1304	-0.0965	-0.317	-0.02875	-0.039	0.0446	0.0978	0.0546	0.036
382	11.41	11.64	0.124	0.0965	0.419	0.1661	0.184	1	0.69	1.039	0.229	0.0746	0.34338	-0.403	-0.20719	-0.524	0.0992	0.1437	0.1493	0.033
381	1.134	11.41	0.197	0.0975	0.201	0.0226	0.053	1	0.47	0.252	0.213	0.0137	0.26766	-0.425	-0.20641	-0.383	0.0784	0.167	0.0421	0.036

380	1.489	11.39	-0	0.0976	0.308	0.0499	0.026	1	0.536	0.583	0.556	-0.033	0.21501	-0.198	-0.31454	-0.313	-0.0026	-0.005	-0.003	-0
379	1.728	11.47	-0.04	0.0978	0.272	0.034	-0.07	1	0.545	0.591	0.444	0.0341	0.20981	-0.829	-0.1139	-0.284	-0.0257	-0.047	-0.028	-0.02
376	0.642	12.06	0.027	0.0984	0.381	0.0746	0.29	0	0.591	0.49	0.263	0.0479	-0.0129	0.0442	-0.03527	0.0068	0.0155	0	0.0128	0.007
375	0.176	11.65	0.076	0.0992	1.097	0.3022	0.056	0	0.598	0.296	0.267	0.0359	-0.0177	0.428	-0.00728	-0.035	0.0437	0	0.0216	0.019
374	0.246	11.55	0.026	0.0999	0.112	0.1047	0.036	0	0.178	0.646	0.349	0.1219	-0.0339	0.1085	-0.10782	0.0063	0.0048	0	0.0174	0.009
373	0.575	11.88	0.025	0.1002	1.157	0.1355	0.174	0	0.181	0.728	0.268	0.1254	-0.0346	0.1879	0.00338	0.1646	0.0051	0	0.0204	0.007
370	0.443	10.57	-0.06	0.1012	0.584	0.1708	0.035	1	0.512	0.838	0.702	-0.087	0.07027	0.1411	-0.27118	0.0423	-0.0332	-0.065	-0.054	-0.05
369	0.545	10.78	0.072	0.1018	0.322	0.0369	0.002	1	0.508	0.726	0.54	-0.081	0.0294	0.1076	-0.17838	-0.003	0.0367	0.0723	0.0525	0.039
368	0.761	10.8	-0.09	0.1023	0.01	0.0057	0.01	1	0.46	0.721	0.508	-0.046	0.02538	0.0798	-0.35297	0.0102	-0.0392	-0.085	-0.062	-0.04
367	1.056	11.1	-0.03	0.1031	0.811	0.131	-0.04	1	0.515	0.74	0.478	0.0214	-0.0113	-0.806	0.01584	-0.092	-0.0178	-0.035	-0.026	-0.02
363	0.627	10.95	-0.05	0.1036	0.066	0.0769	0.179	0	0.376	0.383	0.35	-0.108	-0.0169	0.1622	-0.20432	0.0854	-0.0169	0	-0.017	-0.02
362	1.603	11.37	0.076	0.1044	0.181	0.2858	-0.07	0	0.494	0.444	0.398	-0.051	-0.0106	0.0957	-0.15548	-0.038	0.0456	0	0.041	0.037
361	4.298	11.75	0.103	0.1046	2.475	0.2351	0.254	0	1.029	0.501	0.444	-0.126	0.00597	-0.81	0.14985	-0.296	0.1744	0	0.0849	0.075
358	0.183	11.51	0.027	0.1047	0.236	0.8209	-0.15	1	0.591	0.49	0.462	0.0479	-0.0129	0.0442	-0.05602	0.0068	0.0155	0.0262	0.0128	0.012
357	0.269	11.65	0.076	0.1047	23.39	1.642	2.747	1	17.51	15.39	14.54	0.4156	1.85961	6.4018	-2.10512	-4.207	37.408	2.137	32.889	31.07
356	0.288	10.51	0.082	0.105	2.404	0.3872	0.415	1	0.713	0.145	0.1	0.084	-0.0451	0.0992	-0.09944	0.0186	0.056	0.0786	0.0114	0.008
355	0.646	10.84	0.127	0.1055	1	0.1651	0.258	1	1.037	0.278	0.275	0.0398	-0.0428	-0.331	0.18694	-0.033	0.1668	0.1609	0.0447	0.044
352	0.942	10.39	-0.03	0.107	0.867	0.5982	0.248	1	0.759	0.34	0.301	0.0647	-0.1513	0.2996	-0.63444	0.2566	-0.0192	-0.025	-0.009	-0.01
351	0.711	10.27	-0.03	0.1072	0.084	0.0192	0.243	1	0.808	0.374	0.337	-0.442	-0.0564	0.3272	-0.07292	0.159	-0.0214	-0.027	-0.01	-0.01
350	0.651	10.31	0.07	0.1075	0.011	0.1733	0.235	1	1.264	0.285	0.285	-0.267	0.06586	0.1095	-0.55396	-0.02	0.1244	0.0984	0.0281	0.028
349	1.017	10.3	0.24	0.1075	0.563	0.4559	0.155	1	1.276	0.455	0.455	0.1754	0.16061	-1.967	-0.0625	-0.419	0.4697	0.3682	0.1675	0.167
345	1.26	11.55	0.141	0.108	4.809	0.7493	0.144	1	0.742	0.664	0.298	0.0325	0.26569	-0.403	-0.36774	-0.528	0.1216	0.1639	0.1088	0.049
344	1.984	11.61	0.104	0.1096	0.954	0.1199	0.14	1	0.71	0.75	0.267	-0.058	0.20168	-0.238	-0.22998	-0.371	0.0869	0.1225	0.0919	0.033
343	1.428	11.69	0.095	0.1113	0	0.0755	0.13	1	0.676	0.343	0.294	0.1048	0.14248	-0.851	-0.07114	-0.364	0.0766	0.1133	0.0389	0.033
340	0.442	9.867	-0.09	0.1114	0	0	0.102	0	0.51	0.267	0.266	0.0423	0.20904	0.0226	-0.12353	-0.08	-0.0432	0	-0.023	-0.02
339	0.789	10.17	-0.11	0.1117	0.718	0.0546	0.088	0	0.478	0.193	0.181	-0.021	0.18597	0.0588	-0.05998	-0.043	-0.0477	0	-0.019	-0.02
338	0.823	10.24	-0.22	0.112	0.025	0.2198	0.058	0	0.412	0.148	0.111	-0.052	0.14529	0.101	-0.10282	-0.001	-0.0748	0	-0.027	-0.02
337	2.111	10.76	-0.02	0.1121	0.633	0.0951	0.053	0	2.334	0.624	0.398	-0.297	0.42047	-0.824	0.30146	-0.361	-0.2348	0	-0.063	-0.04
333	0.444	11.12	0.118	0.1125	1.499	0.1526	0.051	1	0.631	0.241	0.186	0.0448	-0.103	-0.067	-0.03701	-0.166	0.0816	0.1293	0.0312	0.024
332	0.473	11.09	0.129	0.1127	0.574	0.0519	0.045	1	0.465	0.232	0.184	-0.052	-0.1072	-0.026	0.03942	-0.16	0.0536	0.1154	0.0267	0.021
331	0.545	11.07	0.089	0.1133	0.414	0.0673	0.039	1	0.696	0.553	0.326	0.1268	-0.1085	-0.532	0.03622	-0.19	0.0783	0.1125	0.0623	0.037
327	1.829	10.51	0.062	0.1138	0.859	0.0205	0.035	0	0.658	0.879	0.486	0.0113	-0.0719	0.2102	0.11947	0.1077	0.036	0	0.0481	0.027
326	-0.86	10.67	-0.05	0.1154	0.028	0.0117	0.031	0	0.663	0.961	0.409	0.0435	-0.0767	0.2087	-0.02744	0.1062	-0.0323	0	-0.047	-0.02
325	4.189	10.94	-0.13	0.1159	-0.01	0.0249	0.026	0	0.669	0.946	0.443	0.0498	-0.0777	0.1175	-0.06209	0.1141	-0.0831	0	-0.117	-0.06
322	0.861	11.71	0.103	0.1162	3.057	0.1675	0.026	1	0.274	0.383	5E-04	0.0627	-0.1983	0.2649	0.57173	0.1216	0.0318	0.1162	0.0445	6E-05
321	0.224	11.05	0.028	0.118	0.026	0.0064	0.025	1	0.165	0.383	5E-04	0.1352	-0.1666	0.2246	-0.18856	0.1734	0.0048	0.0289	0.0111	1E-05
320	0.513	11.38	0.008	0.1181	0.792	0.0454	0.024	1	0.324	0.5	0.003	0.1078	-0.1719	0.3024	-0.1966	0.1994	0.0033	0.0103	0.0051	3E-05
319	-0.73	10.69	-0.25	0.1186	1.732	0.0528	0.005	1	0.41	1.153	9E-04	0.0675	-0.1648	-0.255	-0.2035	0.2038	-0.1052	-0.257	-0.296	-0
316	-0.08	10.97	0.13	0.1187	0.019	0.0097	0.004	0	0.17	1.726	1.281	0.0489	-0.0428	0.2155	0.15218	0.1124	0.0214	0	0.2177	0.162
315	-0.03	10.59	0.191	0.119	0.168	0.0564	0.003	0	0.178	1.509	1.192	0.0464	-0.0562	0.2008	0.22617	0.1126	0.0273	0	0.2318	0.183
314	-0.03	10.67	-0.04	0.1203	0.705	0.0795	1E-03	0	0.143	1.759	1.276	0.0472	-0.0579	0.2134	0.04963	0.1125	-0.0052	0	-0.064	-0.05
313	-0.05	10.87	-0.3	0.121	0.052	0.0253	-0	0	0.09	1.239	0.926	0.0331	-0.0705	0.1565	-0.10508	0.1124	-0.0186	0	-0.255	-0.19
310	0.829	10.85	-0.02	0.1216	0.141	0.1863	-0	0	0.484	0.671	0.218	-0.014	-0.0258	0.2341	0.03277	0.1221	-0.009	0	-0.012	-0
309	0.824	10.88	0.181	0.1225	0.018	0.0078	-0.01	0	0.461	0.652	0.305	-0.022	-0.0888	0.2441	0.22671	0.1282	0.0801	0	0.1133	0.053
308	-0.04	10.1	-0.3	0.123	1.27	0.0391	-0.02	0	0.374	1.622	1.596	0.0001	-0.0733	0.1796	-0.22286	0.0891	-0.0936	0	-0.406	-0.4
307	-0.16	10.5	-0.51	0.1231	0.075	0.0142	-0.05	0	0.327	1.291	1.255	0.0063	-0.0563	-0.136	-0.30529	0.0748	-0.1385	0	-0.546	-0.53
304	0.851	11.84	0.038	0.1233	1.534	0.2082	-0.05	0	0.545	0.391	0.142	0.0605	-0.0797	0.1779	-0.01525	0.0336	0.023	0	0.0165	0.006
303	0.147	11.04	0.106	0.1256	0.655	0.1905	-0.09	0	0.464	0.327	0.018	0.0765	-0.075	0.407	0.06952	0.0741	0.0488	0	0.0343	0.002
302	0.159	11	0.011	0.1261	0.061	0.0217	-0.12	0	0.355	0.499	0.014	0.1164	-0.0789	0.1766	-0.05464	0.0737	0.0045	0	0.0063	2E-04
301	0.186	10.97	0.002	0.1279	0.581	0.1788	-0.13	0	0.316	0.52	0.025	0.0637	-0.0816	0.0885	0.01273	0.0946	0.0007	0	0.0012	6E-05
298	-0.25	11.82	0.087	0.1279	1.086	0.3632	-0.21	0	0.436	0.858	0.728	0.0076	-0.0557	0.1551	0.08496	0.0965	0.0115	0	0.0227	0.019
297	0.26	11.11	0.172	0.1287	1.01	0.1077	-0.21	0	0.749	0.845	0.674	0.0175	-0.0781	0.4007	0.20476	0.0798	0.1213	0	0.1367	0.109
296	-0.11	11.02	-0.12	0.1293	1.037	0.1418	-0.27	0	0.796	1.231	0.861	0.0539	-0.0801	0.1869	-0.10798	0.0831	-0.0968	0	-0.15	-0.1
295	-0.63	11.29	-0.15	0.1306	162.5	20.266	-10.3	0	0.843	1.15	0.785	0.0463	-0.0809	0.1543	-0.12373	0.0913	-0.138	0	-0.188	-0.13
291	0.166	11.22	0.085	0.1307	0.494	0.0101	-0.03	0	0.605	0.766	0.419	-0.095	-0.1089	0.1781	-0.21567	0.0707	0.0529	0	0.067	0.037
290	0.385	11.22	0.01	0.1314	0.301	0.075	-0	0	0.579	0.871	0.278	-0.104	-0.1646	0.1875	-0.23558	0.062	0.0057	0	0.0086	0.003
289	0.763	11.41	-0.02	0.132	0.172	0.0092	4E-04	0	0.695	1.032	0.232	0.0951	-0.1556	-0.558	-0.17144	-0.031	-0.019	0	-0.028	-0.01
286	0.569	11.67	-0.01	0.1327	0.969	0.1443	0.013	0	0.729	0.804	0.372	-0.356	-0.1183	0.3276	-0.19263	0.177	-0.0096	0	-0.011	-0
285	0.54	11.7	0.063	0.1333	0.299	0.095	-0.01	0	0.623	0.561	0.375	-0.088	-0.1246	0.1986	-0.34241	0.0916	0.04	0	0.0361	0.024
284	0.673	11.75	0.059	0.1343	0.071	0.028	0.002	0	0.651	0.605	0.308	-0.172	-0.1371	0.2064	-0.2164	0.0701	0.0388	0	0.0361	0.018
283	5.151	12.56	0.064	0.1344	0.405	0.0542	0.015	0	0.751	0.7	0.221	0.1173	-0.1334	-0.726	-0.09504	-0.009	0.0516	0	0.0481	0.015
280	-0.05	9.23	0.066	0.1355	0.053	0.0254	-0	0	0.345	1.273	1.262	-0.063	-0.0641	0.2347	0.07474	0.1549	0.0184	0	0.0681	0.068
279	-0.12	9.699	0.022	0.1363	0.35	0.0957	-0.01	0	0.42	1.62	1.487	0.0033	-0.0825	0.1647	-0.06986	0.0466	0.0097	0	0.0376	0.034
278	0.07	9.716	-0.22	0.1363	0.427	0.0566	-0.01	0	0.085	0	1.414	0.0036	-0.0777	0.2004	-0.23816	0.0957	-0.017	0	0	-0.28
274	0.02	9.462	-0.03	0.1365	0.135	0.0305	0.015	1	0.487	0.479	0.426	-0.116	-0.0538	0.2797	-0.05023	0.1567	-0.0183	-0.038	-0.018	-0.02
273	0.297	10.69	0.07	0.1369	0.26	0.0384	0.025	1	0.437	0.319	0.234	-0.04	-0.0582	0.1156	-0.08297	0.0217	0.0298	0.0682	0.0218	0.016
272	0.307	10.7	0.061	0.1371	0.22	0.0362	-0	1	0.585	0.433	0.311	-0.074	-0.0683	0.1819	-0.01425	0.0192	0.0437	0.0747	0.0323	0.023
271	0.456	10.81	0.101	0.1387	0.192	0.0379	0.005	1	0.609	0.367	0.195	0.1325	-0.0537	-1.019	0.21448	-0.048	0.0737	0.121	0.0444	0.024
267	2.934	11.84	0.001	0.1389	0.328	0.0762	0.002	0	0.065	0.019	0.019	0.0418	-0.0775	0.2197	0.07558	0.1078	8E-05	0	2E-05	2E-05
266	2.938	11.84	0.003	0.1396	0.16	0.0434	0.025	0	0.444	0.102	0.101	-0.057	-0.0056	0.1227	0.09227	0.0379	0.0024	0	0.0006	5E-04
265	0.033	9.699	0.002	0.1397	0.05	0.0213	-0.01	0	1.815	0.506	0.436	-1.801	-0.1748	0.4969	1.80026	0.2778	0.0419	0	0.0117	0.01
262	-0.28	10.21	0.12	0.1403	-0.09	0.0214	-0.23	0	0.093	0.366	0.192	0.1297	0.00328	0.0781	-0.0533	-0.028	0.0011	0	0.0042	0.002
261	0.164	10.31	0.012	0.1408	0.046	0.068	-0	0	0.126	0.558	0.246	0.1321	0.00625	0.0759	-0.02218	-0.032	0.002	0	0.0088	0.004
260	0.136	10.22	0.017	0.1411	-0	0.0263	0.025	0	0.171	0.233	0.111	0.1404	-0.0042	0.0819	-0.0377	-0.021	0.0033	0	0.0045	0.002
259	0.214	10.41	0.015	0.1414	-0.01	0.028	0.024	0	0.18	0.144	0.064	0.1737	-9E-05	-0.094	0.01021	0.0044	0.0028	0	0.0022	0.001
255	1.611	11.89	0.079	0.1419	-0.56	0.0099	-0.01	0	0.07	0.566	0.054	0.0887	-0.0353	0.0653	0.07775	-0.037	0.0051	0	0.0413	0.004
254	1.829	11.85	-0.31	0.1422	0.789	0.0684	-0.06	0	0.113	0.565	0.108	0.0998	-0.0538	0.0884	-0.24066	-0.014	-0.0275	0	-0.137	-0.03
249	0.303	10.14	0.16	0.1423	0	0.0099	-0.01	1	0.853	0.173	0.172	0.0369	-0.0998	0.1024	-0.09608	-0.044	0.1498	0.1756	0.0304	0.03
248	0.699	10.44	0.199	0.1424	0.071	0.0126	0.051	1	1.73	0.497	0.493	0.1768	-0.215	-0.269	-0.50904	-0.332	0.8664	0.5009	0.2487	0.247
247	1E-05	5.114	0.249	0.1433	0.51	0.0718	0.049	1	1.177	0.548	0.548	0.0993	-0.1904	-1.629	0.10177	-0.111	0.4025	0.342	0.1875	0.188

238	1.346	10.97	0.066	0.1434	0.009	0.0277	0.004
237	2.802	11.26	0.055	0.1437	0.232	0.0396	0.007
236	1.453	10.94	0.127	0.1438	-0	0.0121	-0
235	3.27	11.13	0.103	0.1446	0.088	0.0165	0.081
231	0.057	10.28	0.235	0.1456	0.029	0.0103	-0.02
230	0.082	10.2	0.063	0.1458	0.505	0.1163	0.076
229	0.113	10.3	0.178	0.1471	0.315	0.033	-0.01
225	-0.05	10.63	1.566	0.1475	0.687	0.0636	-0.01
224	-0.06	10.35	-0.07	0.148	0.221	0.0454	0.013
223	-0.02	10.45	-0.41	0.1485	0.109	0.0309	-0
218	0.741	11.06	-0.02	0.1485	0.367	0.0669	-0.04
217	4.503	11.62	-0.09	0.1492	-0.01	0.0136	0.006
213	1.285	10.43	0.094	0.1524	8E-05	0.012	-0.01
212	1.087	10.33	0.038	0.1532	0.557	0.0599	-0.05
211	0.074	8.937	0.014	0.1535	0.009	0.007	0.001
208	-1.37	11.77	0.069	0.1552	0.196	0.025	0.042
207	-0.01	11.37	0.04	0.1562	0.12	0.0287	0.025
206	-0.06	10.85	-0.23	0.1563	0.16	0.0088	0.036
205	0.47	11.26	-0.15	0.1585	0.241	0.033	-0.01
201	0.587	10.98	0.115	0.1602	1.267	0.0528	0.038
200	0.531	10.83	0.171	0.1609	1.567	0.0613	-0.01
199	0.65	10.85	0.143	0.1612	2.05	0.0433	0.003
196	-0.55	11.63	47.93	0.1617	0.082	0.0227	7E-04
195	-0.21	11.31	66.79	0.1619	0.491	0.0634	0.025
194	-1.01	11.37	0.07	0.1622	-0.01	0.0229	0.01
193	-0.82	11.47	0.02	0.1625	0.463	0.045	0.083
190	0.132	10.4	0.004	0.1639	1.029	0.2529	0.05
189	0.098	10.13	0.004	0.1643	0.431	0.0283	-0
184	1.912	12.32	0.05	0.1644	0.004	0.0417	0.027
183	0.578	12	0.041	0.1653	2.953	0.0812	0.024
182	0.842	11.96	0.034	0.1662	1.041	0.2504	-0.03
181	0.571	11.69	0.009	0.167	0.074	0.0323	0.039
178	0.467	11.83	0.004	0.1688	0.058	0.0334	0.012
177	0.434	11.8	-0.02	0.1689	1.078	0.3453	0.015
176	0.454	11.83	7E-04	0.1695	0.07	0.0087	0.017
175	0.622	11.97	0.013	0.1704	0.546	0.0494	0.017
170	-0.09	10.69	-0.1	0.1708	0.448	0.097	0.063
169	-0.24	10.95	-0.18	0.1729	0.316	0.0284	0.06
165	-0.8	11	-0.8	0.1738	0.013	0.0111	-0.01
164	-2.75	11.11	-0.17	0.1747	0.03	0.0119	0.04
163	-0.86	10.11	-0.16	0.1755	0.307	0.0343	-0.01
159	164	13.81	-0.03	0.1756	0.36	0.0358	-0.01
158	190.3	13.9	0.014	0.1765	0.223	0.0815	0.013
157	1.32	11.41	-0.09	0.178	0.428	0.0661	0.047
154	1.262	11.73	0.076	0.1785	1.36	0.4287	-0
153	1.33	11.74	0.17	0.1791	0.344	0.047	0.112
152	1.021	11.62	0.155	0.1798	0.01	0.006	0.01
151	2.077	11.9	0.071	0.1814	1.131	0.285	-0
147	1.307	11.29	0.23	0.1815	0.014	0.0184	-0
146	1.284	11.26	0.285	0.1825	0.822	0.198	0.011
145	1.275	11.2	0.305	0.1835	0.396	0.1448	-0.01
141	1.141	11.53	0.048	0.1836	0.488	0.0963	0.012
140	1.879	11.7	0.067	0.1843	0.182	0.0647	-0
139	4.234	12	0.082	0.1864	0.683	0.3001	0.187
136	0.878	12.07	0.105	0.1901	1.096	0.2705	0.132
135	0.899	12.02	0.141	0.1909	1.436	0.2399	0.011
134	0.983	11.96	0.145	0.1909	0.018	0.0115	-0
133	1.785	12.14	0.06	0.1925	0.612	0.1301	0.106
130	1.494	13.3	0.161	0.1938	0.936	0.1805	0.173
129	0.921	12.91	0.139	0.1944	472.5	18.421	24.09
128	1.074	12.69	0.032	0.1974	0.377	0.0405	0.028
127	1.451	12.7	-0.01	0.1986	0.279	0.0349	0.077
124	0.224	9.461	-0.25	0.1997	0.387	0.0408	0.151
123	-0.16	9.704	0.849	0.2056	0.089	0.0153	0.109
122	-1.4	10.51	-1.11	0.2072	0.205	0.0326	0.206
121	2.288	10.91	-0.15	0.21	0.061	0.0248	0.034
118	1.337	11.65	0.03	0.2148	0.005	0.0371	-0.01
117	1.134	11.56	0.099	0.217	0.323	0.0419	0.059
116	1.928	11.67	0.032	0.2206	0.388	0.0453	0.017
115	2.639	11.74	0.02	0.2219	0.784	0.0776	0.022
112	2.051	11.43	0.083	0.2226	0.014	0.0098	0.002
111	0.794	10.96	0.061	0.225	0.202	0.0082	-0.01
110	0.515	10.67	0.051	0.2268	0.008	0.0158	-0
109	0.154	9.857	0.023	0.2277	0.361	0.0875	0.023
106	282.6	11.54	0.006	0.2282	0.28	0.082	0.026
105	-4.64	11.27	0.206	0.23	0.473	0.0555	0.025
104	-0.08	11.38	-0.63	0.2325	0.448	0.0377	0.028
103	-0.96	11.57	-0.16	0.2358	0	0.0016	-0
100	2.273	11.8	0.119	0.2517	0.342	0.0295	0.054
99	2.177	11.69	0.121	0.2545	-0	0.0785	-0.16

0	0.547	0.123	0.085	0.0959	-0.018	-0.069	-0.12394	-0.172	0.0386	0	0.0087	0.006	
0	0.545	0.136	0.091	0.0924	-0.0334	-0.061	-0.09805	-0.164	0.0329	0	0.0082	0.006	
0	0.626	0.153	0.117	0.1663	-0.0622	-0.137	-0.11467	-0.238	0.1153	0	0.0281	0.022	
0	1.192	0.234	0.195	0.3223	-0.0013	-0.624	-0.24628	-0.44	0.2502	0	0.0492	0.041	
1	1.608	0.857	0.669	-0.111	0.03311	-0.06	0.10849	-0.149	0.6716	0.4175	0.3577	0.279	
1	0.914	0.58	0.467	-0.314	0.11143	-0.025	-0.21726	-0.154	0.0713	0.078	0.0452	0.036	
1	0.73	0.405	0.379	-0.004	0.0528	-1.656	0.21147	-0.296	0.1304	0.1785	0.0722	0.068	
0	0.204	0.801	0.773	0.0004	-0.0702	0.1979	0.45571	0.1003	0.087	0	0.342	0.33	
0	0.203	1.16	0.83	0.0227	-0.1	0.1084	-0.03723	0.0155	-0.0129	0	-0.074	-0.05	
0	0.181	1.587	1.172	0.0363	-0.0693	-0.028	-0.26436	0.0548	-0.0684	0	-0.6	-0.44	
1	0.448	0.946	0.358	-0.029	-0.1266	0.1884	-0.13776	0.0776	-0.0085	-0.019	-0.018	-0.01	
1	0.47	0.916	0.158	-0.011	-0.1272	-0.327	0.03067	0.1106	-0.0422	-0.09	-0.082	-0.01	
1	0.198	0.125	0.099	-0.28	-0.108	0.3006	0.29716	0.2021	0.0143	0.0721	0.009	0.007	
1	0.521	0.512	0.509	0.1002	-0.1231	0.2626	-0.11897	0.1302	0.0252	0.0485	0.0248	0.025	
1	0.256	0.815	0.807	0.0444	-0.1514	-0.387	0.15063	0.1842	0.0053	0.0205	0.0167	0.017	
1	0.096	0.617	0.248	-0.025	-0.0738	0.2255	0.05302	0.1606	0.0036	0.0378	0.0233	0.009	
1	0.145	3.373	0.43	0.0141	-0.0783	0.2334	0.02186	0.1383	0.0054	0.0375	0.1265	0.016	
1	0.122	1.141	1.121	-0.015	-0.0788	0.2509	-0.20102	0.1375	-0.0275	-0.226	-0.257	-0.25	
1	0.129	1.088	1.081	0.0032	-0.0794	0.0591	-0.09683	0.1341	-0.0228	-0.177	-0.192	-0.19	
1	0.536	0.462	0.244	0.0827	-0.1162	0.0315	-0.12466	-0.088	0.0758	0.1414	0.0653	0.035	
1	0.702	0.516	0.4	0.1834	-0.1421	-0.048	-0.23211	-0.15	0.1549	0.2206	0.1139	0.088	
1	0.826	0.472	0.378	0.2856	-0.1521	-0.644	-0.10403	-0.135	0.165	0.1997	0.0942	0.075	
1	404.3	474.3	171.9	-9.947	11.3726	-30.33	-103.083	-42.88	18222	45.068	21374	7749	
1	0.701	0.961	0.298	0.045	-0.0508	-0.023	-0.14692	-0.014	0.0751	0.1072	0.103	0.032	
1	0.72	1.151	0.248	0.0812	-0.1045	-0.06	-0.21363	-0.068	0.0469	0.0651	0.075	0.016	
1	0.582	1.028	0.277	0.1108	-0.0988	-0.165	-0.0682	-0.066	0.0089	0.0153	0.0158	0.004	
0	0.543	0.108	0.008	-0.011	-0.0789	0.2112	0.08154	0.1111	0.0019	0	0.0004	3E-05	
0	0.563	0.371	0.362	0.0187	-0.0782	0.2117	0.05262	0.1103	0.002	0	0.0013	0.001	
0	0.228	0.744	0.116	0.0559	-0.1045	0.1715	0.05409	0.0655	0.0131	0	0.0428	0.007	
0	0.142	0.26	0.098	0.0807	0.10225	0.1798	0.00762	0.0774	0.0046	0	0.0084	0.003	
0	0.143	0.751	0.182	0.0656	0.08302	-0.04	0.05766	-0.144	0.0055	0	0.0288	0.007	
0	0.157	0.925	0.212	0.0861	0.08107	-0.18	0.08992	-0.13	0.0018	0	0.0105	0.002	
0	0.678	0.335	0.33	0.0181	-0.0683	0.1631	0.04224	0.0975	0.0026	0	0.0013	0.001	
0	0.035	0.348	0.343	0.0142	-0.05	0.203	0.01588	0.0949	-0.0005	0	-0.005	-0.01	
0	0.037	0.338	0.337	0.0091	-0.0545	0.1843	0.02646	0.0875	3E-05	0	0.0003	3E-04	
0	0.013	0.282	0.282	0.0795	-0.0561	0.1549	0.00374	0.1115	0.0002	0	0.0035	0.004	
0	0.048	1.447	0.816	0.0466	-0.0662	0.1827	-0.10476	0.0804	-0.0046	0	-0.139	-0.08	
0	0.036	1.286	0.708	0.0497	-0.071	0.1332	-0.16411	0.0873	-0.0066	0	-0.234	-0.13	
0	0.198	1.233	0.845	-0.541	0.02716	0.3184	-0.01191	0.3949	-0.086	0	-0.536	-0.37	
0	0.394	1.117	0.927	-0.153	-0.1443	0.2224	-0.43678	0.1418	-0.0612	0	-0.173	-0.14	
0	0.545	1.208	0.933	-0.083	-0.1983	-1.055	-0.22525	0.1964	-0.101	0	-0.224	-0.17	
0	0.086	0.325	0.151	-0.034	-0.0133	-0.197	0.01118	-0.299	-0.0025	0	-0.01	-0	
0	0.513	0.343	0.19	0.0689	-0.0562	-0.214	-0.02835	-0.314	0.0105	0	0.007	0.004	
0	0.115	0.461	0.455	0.0281	-0.0174	-0.319	-0.00821	-0.233	-0.0106	0	-0.043	-0.04	
1	0.656	0.323	0.286	0.1732	-0.0553	-0.133	-0.26867	-0.197	0.0465	0.0709	0.0229	0.02	
1	0.657	0.393	0.349	-0.031	0.10363	-0.205	-0.00624	-0.307	0.1062	0.1617	0.0635	0.056	
1	0.618	0.398	0.372	0.2774	0.05529	-0.224	-0.31762	-0.228	0.0863	0.1396	0.0556	0.052	
1	0.631	0.489	0.471	0.054	0.04857	-0.899	0.18842	-0.194	0.0415	0.0657	0.0321	0.031	
1	0.632	0.273	0.241	0.0347	0.1997	-0.393	-0.2923	-0.465	0.1371	0.217	0.0593	0.052	
1	0.75	0.391	0.356	0.2056	0.13616	-0.412	-0.41205	-0.513	0.2289	0.3054	0.1193	0.109	
1	0.983	0.55	0.505	0.2651	0.18701	-1.764	0.00241	-0.695	0.4102	0.4174	0.2295	0.211	
0	0.18	0.42	0.077	0.0973	-0.0989	0.1048	-0.00901	0.0026	0.0086	0	0.0201	0.004	
0	0.188	0.511	0.184	0.0585	-0.1074	0.2704	0.04346	0.1682	0.0132	0	0.036	0.013	
0	0.246	1.112	0.202	0.2618	-0.1131	-0.264	0.03235	-0.131	0.043	0	0.1942	0.035	
1	0.486	0.341	0.295	-0.067	-0.0783	0.1582	-0.08869	0.0598	0.0548	0.1127	0.0384	0.033	
1	0.533	0.376	0.27	-0.075	-0.0914	0.1819	-0.05185	0.0553	0.0776	0.1456	0.0547	0.039	
1	0.541	0.471	0.274	-0.052	-0.1062	0.1316	-0.08376	0.0536	0.0782	0.1446	0.0682	0.04	
1	0.712	0.71	0.502	0.1957	0.01964	0.5829	0.23945	1.1481	0.0537	0.0754	0.0535	0.038	
1	0.353	0.531	0.295	-0.035	-0.0596	0.0629	-0.07983	-0.007	0.0597	0.1689	0.0896	0.05	
1	0.394	0.65	0.3	1.484	-0.0734	0.1115	-1.60688	0.0265	0.0539	0.1369	0.0889	0.041	
1	0.379	0.82	0.385	0.0103	-0.1027	0.1652	-0.23164	0.0641	0.0119	0.0314	0.0258	0.012	
1	0.402	1.054	0.455	0.0101	-0.1173	-0.22	-0.14161	0.0669	-0.0043	-0.011	-0.011	-0	
0	0.686	1.013	0.995	-0.24	-0.1751	0.455	-0.43066	0.367	-0.1954	0	-0.289	-0.28	
0	0.159	2.08	0.5	0.1344	0.1429	0.3565	1.07984	0.224	0.2058	0	2.6951	0.648	
0	0.038	0.634	0.123	0.0096	-0.0226	0.1466	-0.44738	0.1251	-0.019	0	-0.316	-0.06	
0	0.118	0.633	0.495	0.0171	-0.0185	0.1091	-0.03988	0.1268	-0.0151	0	-0.081	-0.06	
1	0.586	0.515	0.296	0.1548	0.05322	0.0364	-0.34585	-0.068	0.0173	0.0296	0.0152	0.009	
1	0.472	0.482	0.175	0.0937	0.03362	-0.021	-0.19871	-0.051	0.0404	0.0656	0.0413	0.015	
1	0.487	0.697	0.271	-0.007	0.05492	0.0967	-0.11156	-0.067	0.0152	0.0313	0.0218	0.008	
1	0.492	0.735	0.268	0.0109	0.0655	-0.382	0.0578	-0.066	0.0095	0.0193	0.0142	0.005	
1	0.235	0.478	0.254	0.1037	-0.0625	0.0473	-0.11165	-0.049	0.0197	0.0836	0.04	0.021	
1	0.257	0.599	0.291	0.0213	-0.0659	0.0881	-0.03004	-0.039	0.0174	0.0679	0.0406	0.02	
1	0.208	0.735	0.236	0.0288	-0.0666	0.1029	-0.03119	0.0043	0.0131	0.0631	0.0464	0.015	
1	0.274	0.991	0.31	0.0916	-0.0673	-0.241	0.01767	0.0214	0.0085	0.0311	0.0308	0.01	
1	0.18	0.844	0.549	0.02	-0.1027	0.2477	-0.0087	0.1749	0.001	0.0054	0.0046	0.003	
1	5.405	9.43	6.084	-0.086	-0.1418	0.0932	2.20629	0.1786	10.326	1.9106	18.016	11.62	
1	0.236	1.238	1.015	-0.036	-0.1084	0.2554	-0.04255	0.1168	-0.0153	-0.065	-0.08	-0.07	
1	0.221	1.246	1.011	0.0326	-0.1058	-0.104	-0.09435	0.0637	-0.0385	-0.174	-0.217	-0.18	
1	0.383	0.452	0.076	-0.104	-0.2598	0.3025	-0.29663	0.2013	0.0436	0.1138	0.0514	0.009	
1	0.382	0.621	0.535	-0.082	-0.2375	0.2562	-0.25769	0.1585	0.0492	0.1287	0.0799	0.069	

98	2.698	11.66	0.093	0.2547	0.665	0.0603	0.026
97	1.43	11.27	0.113	0.257	0.181	0.0358	0.007
93	0.222	10.51	-0.04	0.2611	0.798	0.061	0.06
92	0.37	10.77	0.021	0.2625	0.494	0.0434	0.247
91	0.594	10.96	0.025	0.2667	2.03	0.0265	-0.02
87	0.588	12.06	0.081	0.2694	614	98.358	78.9
86	0.511	11.99	0.14	0.2712	0.239	0.0396	-0.11
85	0.63	12.04	0.152	0.2777	0.027	0.0101	0.027
82	0.582	10.63	0.002	0.2812	0.192	0.0304	0.046
81	0.391	10.45	0.013	0.2828	0.672	0.071	0.045
80	0.953	10.79	0.066	0.2853	0.797	0.0114	0.083
75	0.79	11.76	0.137	0.2887	0.225	0.0396	0.047
74	0.096	10.72	0.077	0.2916	0.381	0.039	0.002
73	0.733	11.48	-0.01	0.3027	0.144	0.022	0.092
70	0.213	10.82	-0.04	0.3051	0.772	0.2014	-0.47
69	0.166	10.78	-0.01	0.3054	1.142	0.5473	0.027
68	0.392	11.18	0.032	0.312	0.711	0.0847	0.156
67	0.77	11.43	0.003	0.3175	0.36	0.0295	0.163
64	0.255	10.24	0.041	0.3207	0.133	0.0317	0.017
63	-10.3	10.01	2.503	0.3305	2.253	0.1746	0.057
62	-0.07	10.07	-0.33	0.3378	0.071	0.0179	0.032
61	-0.09	9.96	-0.21	0.342	0.363	0.0301	0.034
58	1.829	11.77	0.011	0.3488	0.311	0.1215	-0.09
57	1.136	11.56	0.048	0.3529	0.771	0.1206	0.203
56	1.125	11.52	0.045	0.3578	0.059	0.0431	0.021
55	1.788	11.66	0.04	0.3648	1.986	0.2501	0.032
51	-0.01	9.6	-0.09	0.3682	0.666	0.1371	-0.28
50	-0.09	10.41	-0.53	0.3936	0.275	0.0459	-0.01
49	-4.1	10.68	-0.23	0.3984	0.009	0.0719	-0
46	383.1	11.27	0.078	0.414	2.278	0.0346	0.035
45	-2.87	11.1	0.077	0.4174	0.704	0.1667	0.053
44	0.339	11.11	1.827	0.4175	0.357	0.0291	0.024
43	-0.07	10.73	-0.45	0.4194	0.436	0.029	0.037
40	0.778	11.68	0.305	0.4267	0.012	0.0046	0.245
39	-0.22	10.75	0.189	0.4349	0.021	0.0122	0.005
38	-0.12	10.83	-0.1	0.4478	0.279	0.0363	0.036
37	-0.23	10.94	-0.27	0.464	1.502	0.1413	0.031
33	-3.86	11.08	0.849	0.4819	0.061	0.0311	0.03
32	-0.14	10.33	-0.36	0.4875	-0.08	9E-05	1E-04
31	-0.37	10.61	-0.78	0.5009	0.664	0.1173	0.025
27	1.3	10.34	0.042	0.5071	0.253	0.0179	0.016
26	1.775	10.46	0.024	0.6053	0.375	0.0249	0.191
22	-2.32	11.92	0.128	0.6436	0.854	0.0824	0.052
21	-0.21	11.39	0.313	0.7706	0.224	0.0356	-0.01
20	-82.4	11.43	-0.12	0.8095	0.315	0.149	-0.12
19	-182	11.63	-0.3	0.8818	0.12	0.1129	0.09
15	0.071	9.828	0.017	1.0165	0	0.0024	0.037
14	0.612	9.906	-0.33	1.0423	0.044	0.0431	0.053
13	0.254	10.08	-0.14	1.0905	0.241	0.1215	0.214
10	0.863	10.89	0.018	1.2959	0.793	0.0657	0.018
9	0.676	10.78	0.035	1.9106	0.052	0.027	0.001
8	1.076	10.93	-0.05	2.137	0.644	0.0707	0.095
7	1.932	11.24	0.454	2.3182	0.112	0.0358	0.111
4	3.128	11.59	0.095	2.9008	0.04	0.008	-0.01
3	3.04	11.56	0.084	45.068	1.649	0.1421	-0.29
2	12.39	12.18	0.114	68.089	0.013	0.0226	0.023
1	1.441	11.2	0.092	278.89	0.055	0.0086	4E-04
					0.386	0.0177	0.042
					0.454	0.513	0.127
					0.944	0.1445	0.155
					4E-04	2E-05	5E-05

1	0.65	1.005	0.958	-0.019	-0.2592	0.2581	-0.39396	0.1585	0.0915	0.1408	0.1415	0.135
1	0.682	1.013	0.961	0.1986	-0.2883	-1.045	-0.13108	0.1471	0.1252	0.1836	0.186	0.176
1	0.197	0.582	0.285	-0.028	-0.1334	0.292	-0.0827	0.2127	-0.0099	-0.05	-0.029	-0.01
1	0.201	0.343	0.187	-0.014	-0.1368	0.326	-0.03153	0.1629	0.0045	0.0225	0.0077	0.004
1	0.213	0.384	0.168	0.0121	-0.146	-0.059	0.05417	0.0919	0.0067	0.0315	0.0121	0.005
0	0.492	0.212	0.156	0.0622	-0.1015	0.1638	-0.07035	0.0307	0.0389	0	0.0168	0.012
0	0.528	0.25	0.172	0.1166	-0.11	0.0652	-0.07037	-0.044	0.0751	0	0.0356	0.025
0	0.614	0.368	0.243	0.3643	-0.1034	-0.217	-0.16296	-0.121	0.1145	0	0.0687	0.045
0	0.827	0.695	0.678	-0.569	-0.5006	0.8088	-1.24652	0.7116	0.0023	0	0.0019	0.002
0	0.551	0.503	0.489	-0.619	-0.4612	0.7414	-0.98641	0.6437	0.0059	0	0.0054	0.005
0	0.723	0.695	0.672	-0.641	-0.5037	0.7359	-0.96016	0.6383	0.0479	0	0.046	0.044
1	0.366	0.472	0.208	0.0511	-0.0473	0.0589	-0.01992	-0.049	0.0459	0.1256	0.0593	0.026
1	0.416	0.654	0.186	0.2073	-0.0477	0.0038	-0.2144	-0.075	0.0311	0.0748	0.0489	0.014
1	0.4	0.759	0.221	0.2071	-0.0558	-0.23	-0.14386	-0.062	-0.0056	-0.014	-0.011	-0
1	0.426	0.699	0.408	0.9757	-0.0659	0.3053	-1.19546	0.2023	0.0958	0.0344	0.0891	0.058
1	0.387	0.585	0.385	0.0247	-0.1229	0.213	-0.20095	0.188	-0.0054	-0.014	-0.008	-0.01
1	0.482	0.664	0.367	-0.055	-0.1469	0.2535	-0.152	0.1085	0.0163	0.0338	0.0224	0.012
1	0.556	0.732	0.305	-0.08	-0.1731	-0.429	0.06632	0.1006	0.0018	0.0033	0.0024	0.001
1	1.71	0.002	0.001	-1.152	-1.0583	1.4052	-1.90058	1.3562	0.1422	0.0831	0.0002	1E-04
1	0.167	0.249	0.052	-0.135	-0.2327	0.3734	0.26075	0.2886	0.101	0.6053	0.1507	0.032
1	0.364	1.466	1.455	-0.22	-0.281	0.484	-0.56218	0.368	-0.0803	-0.221	-0.324	-0.32
1	1.194	3.199	3.184	-0.215	-0.3531	-0.436	-0.66307	0.4715	-0.5371	-0.45	-1.439	-1.43
0	0.503	0.543	0.298	-0.653	-0.4135	0.7538	-1.01728	0.606	0.006	0	0.0064	0.004
0	0.511	0.533	0.475	-0.604	-0.4121	0.774	-0.97567	0.5827	0.0264	0	0.0275	0.025
0	0.442	0.554	0.49	-0.466	-0.3608	0.623	-0.45155	0.5265	0.0216	0	0.0271	0.024
0	0.538	0.71	0.604	-0.125	-0.3732	-1.672	-0.35385	0.5387	0.0291	0	0.0384	0.033
0	0.025	1.389	1.345	0.0132	-0.0634	0.2342	0.01069	0.1394	-0.0017	0	-0.096	-0.09
0	0.03	1.167	1.127	0.0273	-0.0574	0.2241	-0.33227	0.1338	-0.0118	0	-0.465	-0.45
0	0.074	1.102	1.072	0.1005	0.00117	-0.041	-0.24094	0.0326	-0.0183	0	-0.271	-0.26
1	0.7	0.331	0.331	-0.211	-0.2382	-1.482	38.7092	-1.603	0.0614	0.0876	0.029	0.029
1	6E-04	0.071	2E-04	0.0223	-0.0843	-0.005	0.07794	0.1128	5E-08	8E-05	5E-06	2E-08
1	0.402	0.229	0.139	0.0262	-0.1867	0.3102	0.70247	0.206	0.4379	1.0905	0.2503	0.151
1	0.717	1.928	1.928	-0.026	-0.1865	-0.424	-0.52148	0.2051	-0.3601	-0.502	-0.969	-0.97
1	0.288	0.47	0.142	0.0331	-0.0821	0.1841	0.17425	0.0667	0.0751	0.2611	0.1227	0.037
1	0.322	1.022	0.867	0.054	-0.0938	0.1628	0.09259	0.059	0.0532	0.1653	0.1689	0.143
1	0.364	1.306	1.147	0.0725	-0.098	0.1077	-0.18784	0.0133	-0.0368	-0.101	-0.132	-0.12
1	0.314	1.397	1.237	0.0226	-0.0968	-0.08	-0.2199	0.0471	-0.0967	-0.308	-0.43	-0.38
1	0.079	1.033	0.248	-0.133	0.02864	0.2607	0.77287	0.1679	0.0508	0.6436	0.6648	0.16
1	0.1	2.03	1.987	-0.036	0.00964	0.2331	-0.30413	0.1499	-0.0316	-0.315	-0.64	-0.63
1	0.11	1.353	1.342	0.0245	-0.0429	-0.044	-0.52119	0.1307	-0.0628	-0.571	-0.773	-0.77
0	0.649	0.122	0.075	-0.093	-0.2135	0.5051	-0.50737	0.2688	0.0262	0	0.0049	0.003
0	1.061	0.297	0.228	-0.303	-0.2576	0.3329	-0.51926	0.3243	0.0383	0	0.0107	0.008
1	0.256	0.995	0.138	0.0047	-0.1083	0.2569	0.0914	0.1496	0.0308	0.1203	0.1196	0.017
1	211	1046	533.5	-22.37	-27.114	135.63	226.9215	47.466	58856	278.89	291626	#####
1	0.237	1.36	0.795	0.0137	-0.1159	0.2344	51.22258	0.1303	-0.0274	-0.116	-0.157	-0.09
1	3E-04	0.002	0.001	0.042	-0.0842	-0.065	0.17758	0.1126	-1E-07	-4E-04	-6E-07	-0
0	0.152	0.038	0.038	0.0368	-0.0994	0.1352	0.01608	0.0091	0.0025	0	0.0006	6E-04
0	0.021	0.532	0.277	-0.046	0.01588	0.2023	-0.08784	0.1126	-0.0044	0	-0.109	-0.06
0	0.136	0.647	0.418	0.1021	-0.0355	0.2022	-0.00335	0.4402	-0.0169	0	-0.08	-0.05
1	0.141	0.485	0.386	-0.027	0.21377	0.0389	0.02089	-0.067	0.0024	0.0168	0.0081	0.006
1	0.164	0.579	0.296	0.088	0.12709	0.0619	-0.0524	-0.036	0.0059	0.0356	0.0206	0.011
1	0.154	0.582	0.334	0.0634	0.07465	0.0911	-0.07955	-0.003	-0.0072	-0.047	-0.027	-0.02
1	0.11	0.516	0.456	0.0482	0.05553	0.011	0.48098	0.1064	0.0439	0.3984	0.2057	0.182
1	0.689	0.177	0.118	0.0226	-0.1231	0.2021	-0.12632	0.0692	0.0697	0.1012	0.0179	0.012
1	0.595	0.142	0.095	0.1318	-0.1205	0.1134	-0.22385	0.0897	0.0503	0.0846	0.012	0.008
1	0.619	0.122	0.082	0.1288	-0.1514	0.1814	-0.26695	0.0598	0.0762	0.1231	0.0151	0.01
1	1.453	0.383	0.307	-0.122	-0.2476	-0.613	0.15055	-0.054	0.3698	0.2545	0.0974	0.078