# A STUDY ON ABNORMAL PATTERN RECOGNITION USING *MAHALANOBIS DISTANCE* FOR LOCAL EXHAUST VENTILATION SYSTEM

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Thesis submitted in fulfillment of the requirements for the award of the degree of Bachelor of Chemical Engineering

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# SUPERVISOR'S DECLARATION

We hereby declare that we have checked this project report and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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# STUDENT'S DECLARATION

I hereby declare that the work in this report is my own except for quotations and summaries which have been duly acknowledged. The report has not been accepted for any degree and is not concurrently submitted for award of other degree.

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Special dedication to my supervisor, Mr Azizan Bin Ramli for all your Time, Guidance and Support.

And,

To my lovely family and my friends, who encourage and support me throughout completing this thesis

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# ABSTRACT

Local Exhaust Ventilation (LEV) systems can afford a very efficient means of exposure control. Ventilation is a practical system for controlling the air quality and thermal exposure that the employees meet. Ventilation can be used to eliminate air contaminant from breathing district of the employees. Local Exhaust Ventilation (LEV) is employ to eliminate contaminants that are generated at a local supply. Air is drawn from a source at a rate competent of eliminating any air contaminants generated at that supply before they can be dispersed into the work surroundings. There is a problem with conventional method in measuring the LEV, which is time consuming. The conventional method is tedious because it takes longer time to measure the LEV. The objective of this research is to introduce new approach of LEV monitoring practice (Mahalanobis Distance recognition). By using Mahalanobis Distance (MD) with Excel Based Programmed, the method in measuring LEV will be easier and faster. It is believe that this new method is one of the first attempts to evaluate LEV performance by using multi-dimensional approach.

# ABSTRAK

Sistem Ventilasi Ekzos Tempatan (LEV) merupakan satu cara yang mampu dengan sangat cekap. Pengudaraan adalah satu mengawal pendedahan sistem yang praktikal untuk mengawal kualiti udara dan pendedahan haba yang terdedah kepada pekerja. Pengudaraan boleh digunakan untuk menghapuskan bahan cemar udara dari kawasan pernafasan pekerja. Ventilasi Eksos Tempatan (LEV) digunakan untuk menghapuskan bahan cemar yang dihasilkan pada bekalan tempatan. Udara dimasukkan dari sumber pada kadar yang mampu menghapuskan mana-mana bahan cemar udara yang dijana pada bekalan sebelum ianya boleh tersebar ke dalam persekitaran kerja. Terdapat masalah dengan kaedah konvensional untuk mengukur LEV, iaitu ia mengambil masa. Kaedah konvensional membosankan kerana ia mengambil masa yang lama untuk mengukur LEV. Objektif kajian ini adalah untuk memperkenalkan pendekatan baru amala pemantauan LEV (pengiktirafan Mahalanobis Distance). Dengan menggunakan Mahalanobis Distance (MD) dengan Program Excel, kaedah dalam mengukur LEV akan menjadi lebih mudah dan lebih cepat. Dipercayai bahawa kaedah baru ini adalah satu percubaan yang pertama untuk menilai prestasi LEV dengan menggunakan pendekatan pelbagai dimensi.

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# LIST OF SYMBOLS

$X_i$	Mean
S <sub>i</sub>	Standard Deviation
$Z_{ki}$	Normalized data
MD	Mahalanobis Distance
η	Signal to Noise Ratio (SN Ratio)

# LIST OF ABBREVIATIONS

LEV	Local Exhaust Ventilation
MD	Mahalanobis Distance
MTS	Mahalanobis-Taguchi System

# A PRELIMINARY DEVELOPMENT OF MAHALANOBIS DISTANCE BETWEEN NORMAL AND ABNORMAL CONDITION FOR LEV SYSTEM

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## Abstract

Ventilation is the mechanical system in a building that brings in fresh outdoor air and removes the contaminated indoor air. In a workplace, ventilation is used to control exposure to airborne contaminants. It is commonly used to remove contaminants such as fumes, dusts, and vapors, in order to provide a healthy and safe working environment. So that, the LEV system is consider as an important system that should have in every single workplace so that all the workers are not exposed to the hazardous. In measuring the LEV systems, the study has come out with a new approach which is *Mahalanobis Distance* method (MD). The previous method of measuring the local exhaust ventilation system is time consuming which means it took a long period of time in order to measure the point. By approaching the MD method, it will overcome the problem in measuring the LEV systems. The advantages of this study when the normal pattern is being recognize, the efficiency of the system can be detected and if faults occur in the systems, it can be measured at an early stage. Thus, the result that will be obtained is that the normal pattern will be recognizing by using the *Mahalanobis Distance* method. It is believe that this new method is one of the first attempts to evaluate LEV performance by using multi-dimensional approach.

## 1.0 Introduction

The purposed of the ventilation systems is to provide a continuous supply of fresh outside air, maintain temperature and humidity at comfortable levels reduce potential fire or explosion hazards and to remove or dilute airborne contaminants. According to Canadian Centre for OSH (2007), local exhaust system is used to control air contaminants by trapping them at or near the source. This type of system is usually the preferred control method if the air contaminants pose serious health risk to the workers, the large amounts of dusts or fumes are generated in the workplaces, the emission sources are few in number and the emission sources are near the workers breathing zones.

Genichi Taguchi, Subir Chowdhury and Yuin Wu (2004) claim that the Mahalanobis– Taguchi System (MTS) is used to developed and optimize a system of multivariable diagnosis, pattern recognition, and prediction of occurrence of particular event. Besides, *Mahalanobis Distance* underlies the theory of discriminate analysis and it also often used in cluster that may be treated as a part of pattern recognition (E.Krusinska, 1987). According to T.Yang and Y.T.Cheng (2009) Mahalanobis–Taguchi System (MTS) is a method proposed for a diagnostic and forecasting, binary classification and feature selection technique using multivariate data.

It is contains two phases in Mahalanobis–Taguchi System (MTS). The first phase uses *Mahalanobis Distance* to construct a multidimensional measurement scale and define a reference point of the scale with a set of observations from a reference group. In addition, the reference group is used to construct the Mahalanobis space (MS) which is a database containing the means, standards deviataions and correlation structure of variables in the reference group. For the second phase of MTS, the applicability of orthogonal arrays (OAs) and signal-to-noise (SN) ratios are used to select the critical variables. Das and Data (2007) claim that when searching for patterns, the MTS is a good and an effective algorithm. The MTS developed by Taguchi is a novel method that combines the *Mahalanobis Distance* (MD), orthogonal arrays (OA) and the signal-to-noise

(SN) ratio. The MTS is a diagnostic and forecasting method. The main aim of the MTS is to make accurate predictions in multidimensional attributes by constructing a global measure meter.

The application of MTS in the pattern-recognition area such MTS based to resolve classification problems. By doing a study on a preliminary development of *Mahalanobis Distance* between normal and abnormal condition for local exhaust ventilation (LEV) system, the preliminary pattern of abnormal and normal conditions will developed. The pattern will be a starting point for a further study on normal and abnormal pattern recognition.

#### 2.0 Methodology

#### 2.1 Data collection

The study is conducted at LEV pilot plant of FKPPT. The test data is collected from the point of local exhaust ventilation system. There are thirteen points that used to be measured and it is measure from horizontal and vertical side of the points. The parameter used to measure the points is velocity pressure (Vp) in mmHg unit. The normal condition measurement is conducted in six cycles which are two measurements in the morning, in evening and at night. Besides, the abnormal condition measurement in conducted in twelve cycles where the measurements is collected four cycle in the morning, in evening and at night. The instrument used for measuring the LEV points is multifunction ventilation meters.

## 2.2 Creation of a baseline Mahalanobis space

The normal raw multivariate test data were then used to create a baseline measurement scale for the normal group. The raw data that collected has the format as illustrated in the table 2.1. The mean and standard deviation value is calculated by using the following equation respectively.

$$\overline{X}_i = \frac{1}{N} \sum_{k=1}^N x_{ki} \qquad \qquad s_i = \sqrt{\frac{\sum_{k=1}^N (x_{ki} - \overline{X}_i)^2}{N - 1}}$$

Table 2.1	: Raw	data	format
-----------	-------	------	--------

Objects	Variables (characteristics)							
	$X_1$	$X_1$		$X_i$		$X_{p-1}$	$X_p$	
1	$x_{11}$	$x_{12}$		$x_{1i}$		$x_{1,p-1}$	$x_{1p}$	
2	$x_{21}$	$x_{22}$		$x_{2i}$		$x_{2,p-1}$	$x_{2p}$	
:	:	:		:		:	:	
k	$x_{k1}$	$x_{k2}$		$x_{ki}$		$x_{k,p-1}$	$x_{kp}$	
:	:	:		:		:	÷	
N	$X_{Nk}$	$x_{N2}$	••••	$x_{Ni}$		$x_{N,k-1}$	$x_{Np}$	
Average	$\overline{X}_1$	$\overline{X}_2$		$\overline{X}_i$		$\overline{X}_{p-1}$	$\overline{X}_{p}$	
Standard deviation	$s_1$	$s_2$		$s_i$		$s_{p-1}$	$s_p$	

From the raw data, the standardize data can be calculated by subtracting the mean and dividing by the standard deviation. This process is a typical normalization process for multivariate data analysis. Then, the sample correlation matrix and inverse matrix is computed for the standardize variables for the normal group. The scale Mahalanobis distance can compute by using the following equation.

$$\mathrm{MD}_{0} = \frac{1}{p} \mathbf{z}_{0}^{T} \mathbf{R}^{-1} \mathbf{z}_{0}$$

## 2.3 Validation of measurement scale

The reference group developed in the previous step is used to calculate the Mahalanobis distance for an abnormal group. After establishing the initial baseline for the Mahalanobis space, the scaled Mahalanobis is test whether it sensitive to the abnormal observations. In this stage, the multivariate data for abnormal group is collected. Same goes to the normal group, the abnormal group need to calculate the scaled Mahalanobis distance as well. It is desirable that the scaled Mahalanobis distances of abnormal group are significantly larger than one. It is recommended that the larger the value of MD is the better.

#### 3.0 RESULTS AND DISCUSSION

### 3.1 Comparison between normal and abnormal

Based on the study, the scaled Mahalanobis distance is obtain for normal and abnormal conditions. Figure 3.1 shows the comparison of scaled Mahalanobis distance between normal and abnormal conditions.



Figure 3.1: The comparison of scaled Mahalanobis distance between normal and abnormal

From the calculation, the scaled Mahalanobis distance for abnormal group is significantly smaller than one. It is indicates that the variables that selected earlier are not able to discriminate between the abnormal and normal condition.

# 4.0 CONCLUSION AND RECOMMENDATION

As for the conclusion, it can be concluded that the scaled Mahalanobis distance between normal and abnormal is quite large. The gap between normal and abnormal group is large because the process is time consuming, therefore the new variables are not be able to be added to get a better discriminating power.

Therefore, as a recommendation, the study will be proceeding by the next researcher to evaluate the normal and abnormal pattern for the LEV system by using Mahalanobis distance. The preliminary development of normal and abnormal condition will be a starting point for the future pattern regocnition in LEV system. For the further study, the next researcher will evaluate the Mahalanobis distance until the discrimination power.

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## **CHAPTER 1**

# **INTRODUCTION**

# 1.1 Background of Research

Local Exhaust Ventilation (LEV) is a system that use extract ventilation to avoid or decrease the level of airborne harmful substances from being breathed by persons in the place of work, which draws contaminant away from an operation that is likely to release a hazardous substance into the air. (Everley, 1999)

LEV has a main function in the hierarchy of control measures required by the Control of Substances Hazardous to Health Regulations 1999 (COSHH) of United Kingdom. Even though it must always be bear in mind that COSHH of United Kingdom strictly need exposures to harmful substances to be prevented and manage measures only to be introduce where avoidance is not rationally workable to attain. (Everley, 1999)

LEV is require to control workers' contact to toxic dust has been one of the significant necessity of the Regulations made under the Factories and Machinery Act, 1967. Such Regulations include the Safety, Health and Welfare Regulations, 1970; the Lead Regulations, 1984; the Asbestos Process Regulations, 1986; and the Mineral Dust Regulations, 1989. (Anuar Mohd Mokhtar, 2002)

LEV has been set up in various plants however their effectiveness maintenance and appropriate design were frequently ignored by the factory owners. Therefore the money used is wasted and the LEV turns out to be an eye-sore exhibition. The skilled person accountable to inspect, check and analyse the LEV is also expected to give comments and suggestion to improve the performance of the LEV. (Anuar Mohd Mokhtar, 2002)

As the Multi-variate data-based pattern recognition is referred to the Mahalanobis-Taguchi System (MTS). There are numbers of case studies that already success by using MTS, its have been recorded. The case studies are variety, for example using in chemical industry health diagnosis and electronic manufacturing. Nissan, Ford and Konica are examples that published the case applications using MTS. (Digital Engineering Library, 2004).

By using MTS, the abnormal pattern using *Mahalanobis Distance* (MD) for LEV system can be developed.

# **1.2 Problem Statement**

The conventional method is time consuming as it takes longer time to measure the LEV. This is because it needs to measure all points provided to check the performance of LEV. Besides, other problem of research is not all measuring point of LEV system will give significant values that represent the overall performance. The points that can be eliminated by using MTS, the abnormal pattern for Local LEV can be develop.

# **1.3** Objectives of Research

There are some objectives found for this research:

- 1. To develop the abnormal pattern using *Mahalanobis Distance* (MD) for local exhaust ventilation system.
- 2. To introduce new approach of Local Exhaust Ventilation (LEV) monitoring practice (MD recognition).

#### 1.4 Scope of Research

The LEV is been measured at Department of Technology Management Laboratory. The parameters that need to be used are multi-function ventilation meter, pitot and tubes. This research is measure for abnormal condition and develops an abnormal pattern for LEV.

#### **1.5** Significance of Research

There are significances that found for this research, it will shorten the time to measure LEV. This is because the point that is not efficient can be eliminated. Besides, other significance is to come out with a new methodology, MD to measure the efficiency of LEV. The abnormal pattern that develops for LEV can be used by people to develop an abnormal pattern for other LEV.

# **1.6 Definition of Key Terms**

**Local Exhaust Ventilation (LEV) System** - is a system that capture of those contaminants at their source.

**Mahalanobis Distance** (**MD**) – is a method that can be used in developing pattern recognition.

#### **CHAPTER 2**

# LITERATURE REVIEW

# 2.1 Types of Ventilation

There are three types of ventilation. First type of ventilation is natural ventilation strategies, which is uncontrolled air movement into a structure throughout fractures and tiny holes (penetration) and throughout vents for example windows and doors.

Second ventilation is whole-house ventilation, which is use of one or more fans and duct systems to exhaust stale air and provide fresh air to the residence. It can improve to manage the switch of inside air with outside air.

Whole-house ventilation, which are generally categorize as exhaust ventilation if the mechanical system forces indoor air away of the home, supply ventilation if the mechanical system forces external air into the residence, or balanced ventilation if the mechanical system forces the same quantities of air inside and away of the home.

Third ventilation is spot ventilation, which is the use of controlled exhaust fans such as kitchen collection and bath fans to speedily eliminate contaminant at their supply. It is a significant device to get better air quality whether natural or whole-house ventilation strategies are applies. (Energy Efficiency and Renewable Energy Clearinghouse, 2002)

#### 2.2 General Concept of LEV

LEV is a system that apply remove ventilation to avoid or minimize the level of airborne hazardous substances from being breathed by people in the workplace, which remove pollutants away from a process or operation that is possible to discharge a hazardous material into the air and which consists of an inlet, for example a hood, slot, booth or cabinet placed around or close to the point of discharge of the material. This tool is connected via ducting to the inlet of a fan or air mover. The removed air is usually discharged to the atmosphere or returned somewhere else in the workplace, been cleaned first to make it safe for release. (Everley, 1999)

LEV systems frequently contain more mechanical components than common ventilation systems, which need more specific control of its process. So, it also needs more maintenance than other ventilation system. (Integrated Publishing, 2011)

LEV systems are designed to accumulate air contaminants at the source or point of production before these air contaminants can enter the employee breathing zone. If LEV systems are designed precisely almost 100% of the air contaminants can be captured and discarded from the work surroundings so that worker exposures can be kept at or lower satisfactory stages. (Consultant surveyor, 2006)

"Local Exhaust Ventilation, sometimes referred to as the "sanitary system" or "LEV", refers to the system dedicated to worker safety, for example a tap hood at a furnace. Such systems frequently exhaust escapee emissions which might pollute the plant environment and expose employees." (Jeff Burton, 2007)

# **2.3 Basic Principles of Local Exhaust Ventilation (LEV)**

There are some basic principles that need to know while use LEV to precise difficulty. First, the source of pollutant must be protected as fully as practicable. Second, the pollutant must be captured through sufficient air velocity. Third, the pollutant must be kept out of the worker's breathing zone. Fourth, plenty constitute air should be supply. Fifth, the exhaust air needs to be release away from air at the inlet systems. (Integrated Publishing, 2011)

Ventilation is a practical method for controlling the air quality and the thermal contact that the employees encounter. Ventilation can be used to eliminate air contaminant from the breathing zone of the workers. It can also be used to some situation that the air for employee is ease. In addition, ventilation systems can be purposeful to provide air to guarantee the suitable action of some local exhaust system in employ. (Department of occupational safety and health (DOSH) Malaysia, 2011)

#### 2.4 Functions of components of LEV



Figure 2.3: Local Exhaust Ventilation

- **2.4.1** First component of Local Exhaust Ventilation (LEV) is hood. A hood is a construction designed to surround or moderately surround a pollutant-producing process and to conduct airflow in a proficient way to capture pollutant. (Noel Arnold and Associates, 2002) One of the function is it can make an air movement which draws the pollutant into the hood. Other than that, it also can enclose the pollutant source and make an air movement which avoid the pollutant from escaping the enclosed space. (Noel Arnold & Associates, 2002)
- 2.4.2 Second component of LEV is duct. The function of duct is it provides a path for flow of the polluted air exhausted from the hood to the point of discharge. If the air has dust, the duct velocity should be high enough to avoid the dust from settling out and plugging the ductwork (Noel Arnold & Associates, 2002). The role of the ductwork in an exhaust system is to supply a path for flow of the polluted air exhaust from the hood to the point of release. (J E Mutchler, 1998)
- 2.4.3 Third component of LEV is air cleaner. It makes sure the quality of the air leaving the LEV meets local emission control standards, and it is not discharging contaminant into the atmosphere. (Noel Arnold & Associates, 2002) It will also eliminate mists, gases and vapours.(Integrated Publishing, 2011)
- 2.4.4 Fourth component of LEV is fan. The function a motor-driven fan is moved air throughout the duct. (Noel Arnold & Associates, 2002). Centrifugal fans usually use for high pressures, while axial fans is usually use for low pressure or high volume applications. (Government of Western Australia, 2008)
- **2.4.5** Fifth component of LEV is discharge stack. It liberates exhaust gas into the air. (Government of Western Australia, 2008)

**2.4.6** There is other component that is not included in **Figure 2.3**, which is damper. This component is use to control the airflow in a duct. (Alden, JL and Kane, JM, 1982)

## 2.5 Advantages of LEV

When compare with other common ventilation systems, LEV systems are frequently chosen. The disclosure of the employee to the pollutant can be prevented by completing the control of the pollutant. This will give healthier environment to workers. Other advantage is it can handle more extremely toxic pollutant. Besides, it also can handle higher concentrations of pollutant. Other advantage is the performance of the exhaust fan system is not influence by cross drafts, when the velocity of the air in the system is high. (Integrated Publishing, 2011)

Another advantage is to eliminate the air pollutant at the source before it be able to go into the workers' breathing zones. This manage is particularly practical while workers are working with well toxic chemicals that possibly will cause harm from short-range (acute) or long-standing (chronic) contact. Other advantage is it generally need fewer volumetric air flow (Q), calculated in cubic feet of air per minute or ft<sup>3</sup>/min to manage worker exposures to air contaminants. Frequently fewer airs is need to capture and eliminate the pollutant at the source than would be need to dilute or exhaust the pollutant. Then, it has been released into the ambient workroom air.

Another advantage is it can successfully organize several types or forms of air contaminants. Gases, vapours, and particulate may be well separated from the place of work using this method. Besides that, it operating costs is typically less than common dilution or exhaust ventilation. This is because less air is required to manage the air pollutant. This can result in incredible price savings to the owner in terms of energy expenses. Keep in mind, workroom air perhaps will require heating in the winter and cooling in the summer. The price of heating or cooling air is openly connected to the volume of air that required to be treated each day. (Consultant surveyor, 2006)

# 2.6 Disadvantages of LEV

It is a mechanically complex. This is showed in results, which has high initial costs. It is also need bigger requirements for maintenance. Other disadvantage is the installation of the enclosures and ductwork related with LEV system results in a rigid work area. (Integrated Publishing, 2011)

It has to be designed following good industrial hygiene practice to manage air contaminants price well and economically. It also can involve a big capital investment up front than common ventilation systems to pay for design, construction and installation materials. Besides that, it may be extra complex in design than common ventilation systems. Other than that, it may need an extra precise maintenance plan than common ventilation systems. (Consultant surveyor, 2006)

# 2.7 Ineffectiveness of LEV Systems

There are some reasons for ineffective of LEV systems. One of the reason is it have little exhaust air volumes. This will make the capture velocities less. Other reason is the capture distances are too far. Besides, it has been "carefully constructed" to location the worker's breathing region between the points of pollutant generation and the point of gathering. (Socha, 1979)

## 2.8 Velocity Pressure

Velocity pressure is identified as the kinetic pressure applies in the direction of flow essential to cause a fluid at rest to flow at a specified velocity. Velocity pressure is also illustrate and calculated in inches of  $H_2O$  or inches water gauge. Velocity pressure is applied in the direction of flow, which is constantly positive. It is greater than atmospheric pressure while a fluid is moving, and is calculated in the direction of airflow.

It is significant to know that velocity pressure is not consistent across the duct. In brief, air tends to travel quicker when close to the centre and slower near the walls of the duct. Consequently, velocity pressure measurements will be different once a series of measurements are made after conducting a duct goes across using a pitot tube. (Consultant surveyor, 2006)

# 2.9 General Concept of Mahalanobis Distance (MD)

Mahalanobis distances give a great method of measuring how alike several set of conditions is to an ideal set of conditions. It can be very helpful for recognize which area in a landscape are most alike to some ideal landscape. (Jenness Enterprises, 2003)

A Mahalanobis distance (MD) is a method of calculating how identical several set of conditions is to a perfect set of conditions. It can be very useful for recognize which part in a landscape are most alike to some perfect landscape. (Jenness Enterprises, 2003)

Previously the relation among the control variable and the target quality is recognized or can be inferred from observations, the optimization of the sensor array with respect to some solid principle, which appropriately convey the observed goal, is a normal path to follow. A reason to select the best operating temperature for a metal-oxide sensor and for an array of sensors in common based on a usually used measure, namely MD is introduced. (Mahalanobis, 1936)

# 2.10 Definition of MD

"The MD is a metric (a rule for calculating the distance between two points) which is better adapted than the usual "Euclidian distance" to setting, involving non-spherically symmetric distributions." (AI Access, 2010)

It is more principally practical when multi-normal distributions are involved, even though its description does not need the distributions to be normal. (AI Access, 2010)

# 2.11 Mahalanobis-Taguchi System (MTS)

The major purpose of MTS is to construct precise prediction in multidimensional systems by constructing a measurement scale. "In MTS, Mahalanobis space, which is reference group, is obtained using the standardized variables of healthy or normal data." (Taguchi, 1986) To categorize between normal and abnormal data, the mahalanobis space (MS) can be apply. Once the MS is recognized, the number of variables or element is reduced using Orthogonal Array (OA) and Signal to Noise (S/N) ratio by assess the contribution of each element. (Taguchi, 1986)
### 2.12 Uses of MD

MD is relevant in the difficulty of pattern recognition or categorized analysis, where a formula is developed on the basis of information of  $\mu_1$ ,  $\mu_2$  and  $\sum$  in order that a new aspect can be categorize, which are allocate, identified or recognised into one of these two groups with as little probability of error as possible under the circumstances. (McLachlan, 1999)

### 2.13 Pattern Recognition

Pattern recognition method can be divided into different type according to certain properties. A first group of pattern recognition methods can be categorized as clustering methods, unverified pattern recognition. The aim of it is to group similar objects which is measured samples together. (Dagnelie & Merckx, 1991)

"Second group of pattern techniques is called supervised because one possesses a training set of objects which is known to belong to a certain class. A mathematical model can be constructed to predict to which of the classes new measurements belong. Supervised pattern recognition technique can be divided in discrimination and class modelling methods."(Dagnelie & Merckx, 1991)

### **CHAPTER 3**

## **METHODOLOGY**

## 3.1 Instruments

This research is conducted by using Multi-function Ventilation Meter. Figure 3.1 shows an example of this equipment. This equipment has many functions. One of its function is it can measure the velocity pressure. The measurement of this equipment can be read easily because it is a digital meter. This equipment is tied to pitot and tubes to measure the velocity pressure of LEV.



Figure 3.1: Multi-function Ventilation Meter (Google image)

#### **3.2** Measurement of Local Exhaust Ventilation (LEV).

The LEV is been measured at Department of Technology Management Laboratory. For abnormal condition, there are twelve cycle of measurement needed. There are thirteen points need to be measured. Each point will measure twenty values of velocity pressure, which are both ten values for horizontal and vertical. There are 260 measurements for each cycle, which means 3120 measurements for twelve cycles.

There are three different size of ducting for this LEV, which is 20.5 cm, 25.8 cm and 30.6 cm. The distance from one point to another is different when the diameter of the ducting is different; this is because there is a formula to determine the point that need to be measure. The diameter of the ducting times with the formula as in Figure 3.2, the points that need to be measured can be obtained. The same formula is use for both horizontal and vertical points.



Figure 3.2: Points of cylindrical ducting measured. (Google image)

Readings from all points of local exhaust ventilation taken.

Step 1: The first damper is adjusted to 45°, allow other three dampers fully open.

- Step 2: Take ten readings for both horizontal and vertical at all thirteen points that is already set up at the Local Exhaust Ventilation (LEV).
- Step 3: All data is inserted into Microsoft Excel to form a matrix for all points.

Step 4: Step 1 until 3 in repeated for second damper, third damper and forth damper.

#### **3.3** Steps to Design and Optimize the Mahalanobis Taguchi System (MTS)

- Step 1: The abnormal group is defined: data from adjusted degree of damper.
- Step 2: The variables is identified. (Thirteen points at the Local Exhaust Ventilation (LEV)).

Step 3: A list of a normal group for the chosen variables created.

Step 4a: The mean and standard deviation for each variable is calculated and the data is normalized.

$$X_i = \frac{1}{N} \sum_{k=1}^{N} x_{ki}$$
 Equation 3.2.1

$$S_i = \sqrt{\frac{\sum_{k=1}^{N} (x_{ki} - X_i)^2}{N-1}}$$
 Equation 3.2.2  
For *i*= 1, ..., *p*.

$$Z_{ki} = \frac{x_{ki} - X_i}{S_i}$$
 Equation 3.2.3  
For all  $k=1,...,N$ ,  $i=1,...,p$ .

Step 4b: The correlation matrix is calculated.

Step 4c: The inverse matrix of the correlation matrix is calculated.Step 4d: The MD for each sample from the abnormal group is calculated.

$$MD = \frac{1}{p}Z^T A^{-1}Z$$
 Equation 3.2.4

Step 5: The discrimination power is estimated.

-After confirming a good discrimination.

Step 6: MTS is optimized

Step 6.1: Variables is allocated to a two-level orthogonal array.

-Characterize level 1 as use variable

-Level 2 as not to use variable

-MTS executed for all runs and data will be MD for abnormal

samples.

Step 6.2: Redo MTS for each run of the orthogonal array. Orthogonal array,

L<sub>16</sub> is used because this research has thirteen variables. By using this orthogonal array, the point for variable 14<sup>th</sup> and 15<sup>th</sup> is not calculated. This is because orthogonal array is following how many variables use in a research.

-First, calculate MD for abnormal sample as data

-Then, use SN ratio as an assessment criteria for discrimination power.

$$\eta = -10\log\left(\frac{1}{n}\sum_{i=1}^{n}\frac{1}{y_i^2}\right)$$
 Equation 3.2.5

Step 6.3: Make a response graph for the SN ratio.

-Evaluate how each variable contributes to discrimination power.

Step 6.4: Confirm the optimum design.

-Evaluate the discrimination power under the optimum variables.

Step 7: Conclusions. (Taguchi, Chowdhury and Wu, 2001)

## **CHAPTER 4**

## **RESULT AND DISCUSSION**



### 4.1 Mahalanobis Distance Distribution for Abnormal Condition

Figure 4.1: Mahalanobis Distance distribution for abnormal

From **Figure 4.1**, its shows that the abnormal distribution is unorganized. There are some points that scatter far from other points. This is because there are some points that are

not significant to this LEV. Those points are drop off the MD for the abnormal condition, which give a bad result for the LEV.

By using Mahalanobis-Taguchi System (MTS), those points that can be eliminate and a better value of MD for abnormal condition can be obtain. The result for LEV will be better.

The value of MD for abnormal condition should be higher than 5.0, but from this research the value only 1.2 and below. This is because the errors that occur during the measurement taken. One of the errors is parallax error during take the measurement. While taking the measurement, the reader might make a move, which make the points need to be measured not been measured. This makes the measurement not accurate. Other than that, there is also because of the pitot efficiency. The pitot might full with dust and cannot give an accurate value of measurement.



#### 4.2 Response Graph of SN Ratio

Figure 4.2: Response graph of SN ratio by LEV data

From **Figure 4.2**, variables that contribute to discrimination power can be estimate. The better the discrimination power can be identifying with the higher SN ratio. Noted that:

- 1. Level 1 has higher SN ratios for X<sub>3</sub>, X<sub>5</sub>, X<sub>6</sub> and X<sub>11</sub>.
- 2. Level 2 has higher SN ratios for X1, X2, X4 and X7.
- Level 1 and 2 have roughly the same performance for X<sub>8</sub>, X<sub>9</sub>, X<sub>10</sub>, X<sub>12</sub> and X<sub>13</sub>.

From this it can be concluded that:

- 1. X8, X9, X10, X12 and X13 do not contribute to discrimination.
- 2. X1, X2, X4 and X7 are harming discrimination.
- 3. X<sub>3</sub>, X<sub>5</sub>, X<sub>6</sub> and X<sub>11</sub> contributes significantly to discrimination.

Optimization: Keep X3, X5, X6 and X11.

Discard other points.



Figure 4.3: Result of confirmation

The discrimination power under the optimum design is estimate. From **Figure 4.3**, it shows the result of confirmation using only X3, X5, X6 and X11. This gives a better value of MD. By eliminating the points that is not significant, the time to take the measurement can be shorten. This will also give a better performance of LEV.

### **CHAPTER 5**

## CONCLUSION AND RECOMMENDATION

## 5.1 Conclusion

As conclusion, the abnormal pattern using *Mahalanobis Distance* (MD) for local exhaust ventilation system is developed. This pattern will be a guideline to use MD for other type of LEV.

The new approach of LEV monitoring practice (MD recognition) is been introduced because the improvement of discrimination and it only require four variables. This improvement will help people reduce their time spending and also give a better result.

## 5.2 Recommendation

As recommendation, during taking the measurement, the reader needs to avoid many movements. This will help the research to get a better result.

Other than that, before start the measurement, check the efficiency of the equipment that been used, whether it is in a good condition or not. This will avoid from getting the unwanted result.

As recommendation, this research needs to have more cycle of reading. This will give a more accurate result. With more accurate result, the improvement of the discrimination will give a better pattern of LEV.

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APPENDIX CALCULATION USING MICROSOFT EXCEL

# RAW DATA

SAMPLE	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13
S1	0.144	0.007	0.024	0.671	0.051	0.043	0.561	0.041	0.427	0.677	0.595	0.375	0.752
S2	0.951	0.005	0.030	0.308	0.183	0.032	0.330	0.898	0.192	0.418	0.128	0.647	0.632
<b>S3</b>	0.038	0.005	0.018	0.176	0.151	0.041	0.569	0.054	0.419	0.625	0.657	0.491	0.739
S4	0.953	0.003	0.017	0.374	0.086	0.120	0.755	0.854	0.165	0.499	0.124	0.707	0.599
S5	0.040	0.006	0.015	0.137	0.172	0.062	0.475	0.038	0.440	0.540	0.775	0.629	0.687
S6	0.142	0.019	0.020	0.518	0.389	0.154	0.817	0.981	0.277	0.558	0.084	0.789	0.633
S7	0.041	0.008	0.013	0.240	0.169	0.100	0.449	0.027	0.495	0.561	0.730	0.507	0.584
S8	0.048	0.018	0.010	0.520	0.298	0.130	0.859	0.827	0.548	0.560	0.084	0.799	0.661
S9	0.040	0.003	0.008	0.420	0.150	0.112	0.324	0.034	0.433	0.575	0.699	0.767	0.557
S10	0.037	0.017	0.002	0.529	0.220	0.125	0.902	0.484	0.658	0.563	0.108	0.377	0.694
S11	0.036	0.037	0.010	0.266	0.284	0.119	0.564	1.045	0.669	0.583	0.649	0.417	0.550
S12	0.396	0.023	0.012	0.454	0.275	0.122	0.860	0.381	0.699	0.536	0.725	0.535	0.578
S13	0.041	0.048	0.010	0.100	0.355	0.117	0.634	1.040	0.739	0.579	0.638	0.399	0.625
S14	0.554	0.031	0.008	0.446	0.332	0.121	0.876	0.781	0.456	0.539	0.693	0.507	0.461
S15	0.042	0.065	0.016	0.045	0.486	0.122	0.512	1.136	0.884	0.542	0.640	0.482	0.630
S16	0.548	0.045	0.007	0.435	0.332	0.109	0.859	0.901	0.322	0.438	0.683	0.719	0.432
S17	0.036	0.056	0.027	0.118	0.445	0.097	0.317	0.906	0.808	0.602	0.639	0.506	0.682
S18	0.577	0.041	0.014	0.416	0.318	0.070	0.760	0.825	0.224	0.330	0.679	0.679	0.430
S19	0.034	0.056	0.029	0.063	0.272	0.089	0.447	0.540	0.294	0.420	0.475	0.383	0.384
S20	0.320	0.005	0.014	0.105	0.209	0.026	0.329	0.632	0.181	0.237	0.622	0.638	0.243
S21	0.001	0.025	0.010	0.234	0.155	0.069	0.270	0.079	0.012	12.290	11.660	0.894	0.023
S22	1.046	0.021	0.006	0.099	0.300	0.115	-0.016	0.382	0.139	0.008	0.666	0.783	0.829
S24	0.904	0.033	0.009	0.123	0.305	0.154	0.078	0.374	0.107	0.038	0.673	0.815	0.792
S25	-0.043	0.022	0.014	0.028	0.193	0.071	0.256	0.067	0.058	11.320	12.640	11.200	-0.098
S26	-0.020	0.043	0.010	0.312	0.383	0.167	0.424	0.378	0.097	0.108	0.696	0.936	0.803
S27	-0.072	0.021	0.020	0.121	0.179	0.123	0.314	0.031	0.066	11.500	13.230	12.620	-0.149
S28	-0.140	0.041	0.012	0.341	0.337	0.157	0.367	0.469	0.267	0.114	0.710	1.039	0.766
S29	-0.077	0.021	0.020	0.292	0.164	0.134	0.563	0.025	0.024	11.660	13.420	12.690	-0.157
S30	-0.001	0.044	0.020	0.323	0.278	0.174	0.444	0.180	0.471	0.117	0.731	1.003	0.730
S31	-0.017	0.036	0.021	0.233	0.248	0.157	0.550	1.094	0.357	11.890	12.870	10.470	-0.181
S32	0.453	0.045	0.024	0.238	0.280	0.157	0.447	0.153	0.623	0.074	12.570	0.976	0.563
S33	-0.009	0.071	0.017	-0.058	0.384	0.168	0.385	1.262	0.448	11.950	12.490	0.931	-0.158
S34	0.590	0.067	0.027	0.238	0.376	0.156	0.455	0.575	0.621	0.096	12.110	0.955	0.502
S35	-0.011	0.075	0.010	-0.188	0.471	0.161	0.348	0.993	0.500	11.650	12.410	0.957	-0.133
S36	0.420	0.068	0.029	0.245	0.383	0.164	0.532	0.475	0.534	0.044	12.500	0.984	0.540
S37	-0.003	0.066	0.003	-0.204	0.449	0.123	0.400	0.872	0.426	11.800	12.270	1.052	-0.095
S38	0.553	0.069	0.026	0.247	0.355	0.123	0.294	0.408	0.233	0.122	12.460	0.931	0.482
S39	0.039	0.039	0.002	-0.198	0.124	0.061	0.410	0.535	-0.104	11.250	11.030	0.990	-0.208
S40	0.197	0.049	0.025	-0.118	0.206	0.060	-0.095	0.709	-0.079	0.214	11.830	0.676	0.394
S41	0.026	0.858	0.850	0.310	0.933	0.915	0.533	0.931	1.297	1.512	0.649	0.450	0.843
S42	1.109	0.851	0.845	0.273	0.945	0.936	0.320	1.458	1.248	1.287	0.096	0.560	0.839
S43	0.002	0.862	0.854	0.174	1.003	0.922	0.567	0.916	1.327	1.483	0.686	0.401	0.807
S44	0.730	0.864	0.843	0.418	1.260	0.921	0.799	1.592	1.242	1.308	0.128	0.748	0.786
S45	0.001	0.858	0.855	0.146	1.012	0.950	0.540	0.906	1.333	1.418	0.777	0.547	0.674
S46	0.016	0.876	0.846	0.557	1.778	0.951	0.861	1.801	1.300	1.374	0.175	0.795	0.731

S48	0.007	0.873	0.851	0.598	1.163	1.001	0.925	1.793	1.396	1.396	0.219	0.843	0.689
S49	0.037	0.861	0.855	0.551	0.987	0.970	0.915	8.250	1.332	1.444	0.766	0.765	0.622
S50	0.003	0.875	0.855	0.613	1.092	0.996	0.959	1.704	1.361	1.441	0.215	0.733	0.722
S51	0.006	0.876	0.854	0.455	1.210	1.004	0.901	1.901	1.542	1.467	0.717	0.427	0.629
S52	0.160	0.873	0.857	0.492	1.051	0.964	0.889	1.610	1.278	1.427	0.740	0.678	0.475
\$53	0.006	0.893	0.853	0.216	1.237	1.003	0.711	1.913	1.614	1.487	0.671	0.420	0.632
S54	0.457	0.876	0.857	0.495	1.225	0.999	0.928	1.026	1.355	1.412	0.710	0.846	0.448
S55	0.010	0.900	0.849	0.010	1.360	0.982	0.496	1.717	1.777	1.462	0.662	0.453	0.692
S56	0.242	0.890	0.856	0.520	1.098	0.985	0.751	1.821	1.232	1.383	0.691	0.872	0.401
S57	0.023	0.885	0.844	0.019	1.328	0.956	0.505	1.646	1.685	1.437	0.648	0.469	0.634
S58	0.687	0.897	0.855	0.536	0.999	0.944	0.803	1.631	1.106	1.233	0.689	0.729	0.410
S59	0.431	0.826	0.834	0.070	1.130	0.903	0.533	1.378	1.325	1.481	0.467	0.752	0.627
S60	0.043	0.887	0.846	0.406	1.090	0.898	0.438	1.381	1.166	1.217	0.666	0.625	0.468
S60	0.043	0.887	0.846	0.406	1.090	0.898	0.438	1.381	1.166	1.217	0.666	0.625	0.468
S61	0.144	0.007	0.024	0.671	0.051	0.043	0.561	0.041	0.427	0.677	0.595	0.375	0.752
S62	0.951	0.005	0.030	0.308	0.183	0.032	0.330	0.898	0.192	0.418	0.128	0.647	0.632
\$63	0.038	0.005	0.018	0.176	0.151	0.041	0.569	0.054	0.419	0.625	0.657	0.491	0.739
\$64	0.953	0.003	0.017	0.374	0.086	0.120	0.755	0.854	0.165	0.499	0.124	0.707	0.599
\$65	0.040	0.006	0.015	0.137	0.172	0.062	0.475	0.038	0.440	0.540	0.775	0.629	0.687
\$66	0.142	0.019	0.020	0.518	0.389	0.154	0.817	0.981	0.277	0.558	0.084	0.789	0.633
\$67	0.041	0.008	0.013	0.240	0.169	0.100	0.449	0.027	0.495	0.561	0.730	0.507	0.584
S68	0.048	0.018	0.010	0.520	0.298	0.130	0.859	0.827	0.548	0.560	0.084	0.799	0.661
S69	0.040	0.003	0.008	0.420	0.150	0.112	0.324	0.034	0.433	0.575	0.699	0.767	0.557
\$71	0.036	0.037	0.010	0.266	0.284	0.119	0.564	1.045	0.669	0.583	0.649	0.417	0.550
S72	0.396	0.023	0.012	0.454	0.275	0.122	0.860	0.381	0.699	0.536	0.725	0.535	0.578
S73	0.041	0.048	0.010	0.100	0.355	0.117	0.634	1.040	0.739	0.579	0.638	0.399	0.625
S74	0.554	0.031	0.008	0.446	0.332	0.121	0.876	0.781	0.456	0.539	0.693	0.507	0.461
S75	0.042	0.065	0.016	0.045	0.486	0.122	0.512	1.136	0.884	0.542	0.640	0.482	0.630
S76	0.548	0.045	0.007	0.435	0.332	0.109	0.859	0.901	0.322	0.438	0.683	0.719	0.432
S77	0.036	0.056	0.027	0.118	0.445	0.097	0.317	0.906	0.808	0.602	0.639	0.506	0.682
S78	0.577	0.041	0.014	0.416	0.318	0.070	0.760	0.825	0.224	0.330	0.679	0.679	0.430
S79	0.034	0.056	0.029	0.063	0.272	0.089	0.447	0.540	0.294	0.420	0.475	0.383	0.384
S80	0.320	0.005	0.014	0.105	0.209	0.026	0.329	0.632	0.181	0.237	0.622	0.638	0.243
S81	0.001	0.025	0.010	0.234	0.155	0.069	0.270	0.079	0.012	12.290	11.660	0.894	0.023
S82	1.046	0.021	0.006	0.099	0.300	0.115	-0.016	0.382	0.139	0.008	0.666	0.783	0.829
S83	-0.066	0.021	0.011	0.207	0.186	0.078	0.253	0.080	0.061	12.070	12.260	0.945	0.023
S84	0.904	0.033	0.009	0.123	0.305	0.154	0.078	0.374	0.107	0.038	0.673	0.815	0.792
S85	-0.043	0.022	0.014	0.028	0.193	0.071	0.256	0.067	0.058	11.320	12.640	11.200	-0.098
S86	-0.020	0.043	0.010	0.312	0.383	0.167	0.424	0.378	0.097	0.108	0.696	0.936	0.803
S87	-0.072	0.021	0.020	0.121	0.179	0.123	0.314	0.031	0.066	11.500	13.230	12.620	-0.149
S88	-0.140	0.041	0.012	0.341	0.337	0.157	0.367	0.469	0.267	0.114	0.710	1.039	0.766
S89	-0.077	0.021	0.020	0.292	0.164	0.134	0.563	0.025	0.024	11.660	13.420	12.690	-0.157
S90	-0.001	0.044	0.020	0.323	0.278	0.174	0.444	0.180	0.471	0.117	0.731	1.003	0.730
S91	-0.017	0.036	0.021	0.233	0.248	0.157	0.550	1.094	0.357	11.890	12.870	10.470	-0.181
S92	0.453	0.045	0.024	0.238	0.280	0.157	0.447	0.153	0.623	0.074	12.570	0.976	0.563
S93	-0.009	0.071	0.017	-0.058	0.384	0.168	0.385	1.262	0.448	11.950	12.490	0.931	-0.158

S95	-0.011	0.075	0.010	-0.188	0.471	0.161	0.348	0.993	0.500	11.650	12.410	0.957	-0.133
S96	0.420	0.068	0.029	0.245	0.383	0.164	0.532	0.475	0.534	0.044	12.500	0.984	0.540
S97	-0.003	0.066	0.003	-0.204	0.449	0.123	0.400	0.872	0.426	11.800	12.270	1.052	-0.095
S98	0.553	0.069	0.026	0.247	0.355	0.123	0.294	0.408	0.233	0.122	12.460	0.931	0.482
S99	0.039	0.039	0.002	-0.198	0.124	0.061	0.410	0.535	-0.104	11.250	11.030	0.990	-0.208
S100	0.197	0.049	0.025	-0.118	0.206	0.060	-0.095	0.709	-0.079	0.214	11.830	0.676	0.394
S101	0.026	0.858	0.850	0.310	0.933	0.915	0.533	0.931	1.297	1.512	0.649	0.450	0.843
S102	1.109	0.851	0.845	0.273	0.945	0.936	0.320	1.458	1.248	1.287	0.096	0.560	0.839
S103	0.002	0.862	0.854	0.174	1.003	0.922	0.567	0.916	1.327	1.483	0.686	0.401	0.807
S104	0.730	0.864	0.843	0.418	1.260	0.921	0.799	1.592	1.242	1.308	0.128	0.748	0.786
S105	0.001	0.858	0.855	0.146	1.012	0.950	0.540	0.906	1.333	1.418	0.777	0.547	0.674
S106	0.016	0.876	0.846	0.557	1.778	0.951	0.861	1.801	1.300	1.374	0.175	0.795	0.731
S107	0.004	0.857	0.855	0.286	1.014	0.961	0.642	8.710	1.360	1.417	0.750	0.659	0.623
S108	0.007	0.873	0.851	0.598	1.163	1.001	0.925	1.793	1.396	1.396	0.219	0.843	0.689
S109	0.037	0.861	0.855	0.551	0.987	0.970	0.915	8.250	1.332	1.444	0.766	0.765	0.622
S110	0.003	0.875	0.855	0.613	1.092	0.996	0.959	1.704	1.361	1.441	0.215	0.733	0.722
S111	0.006	0.876	0.854	0.455	1.210	1.004	0.901	1.901	1.542	1.467	0.717	0.427	0.629
S112	0.160	0.873	0.857	0.492	1.051	0.964	0.889	1.610	1.278	1.427	0.740	0.678	0.475
S113	0.006	0.893	0.853	0.216	1.237	1.003	0.711	1.913	1.614	1.487	0.671	0.420	0.632
S114	0.457	0.876	0.857	0.495	1.225	0.999	0.928	1.026	1.355	1.412	0.710	0.846	0.448
S115	0.010	0.900	0.849	0.010	1.360	0.982	0.496	1.717	1.777	1.462	0.662	0.453	0.692
S116	0.242	0.890	0.856	0.520	1.098	0.985	0.751	1.821	1.232	1.383	0.691	0.872	0.401
S117	0.023	0.885	0.844	0.019	1.328	0.956	0.505	1.646	1.685	1.437	0.648	0.469	0.634
S119	0.431	0.826	0.834	0.070	1.130	0.903	0.533	1.378	1.325	1.481	0.467	0.752	0.627
S120	0.043	0.887	0.846	0.406	1.090	0.898	0.438	1.381	1.166	1.217	0.666	0.625	0.468
\$121	0.208	0.090	1.344	0.319	1.470	1.422	0.206	1.363	1.627	1.815	0.379	0.324	0.243
S122	0.172	0.133	1.337	0.386	1.985	1.459	1.168	1.890	1.651	1.763	0.020	0.066	0.135
S123	0.080	0.101	1.380	0.209	1.652	1.490	-0.084	1.373	1.070	1.887	0.428	0.371	0.291
S124	0.332	0.299	1.344	0.457	1.984	1.526	0.940	1.822	1.631	1.805	0.015	0.007	0.108
\$125	0.132	0.098	1.413	0.224	1.665	1.585	-0.134	1.352	1.733	1.844	0.470	0.402	0.173
S126	0.337	0.316	1.385	0.528	1.990	1.621	0.376	1.953	1.646	1.808	0.025	0.188	0.155
S127	0.197	0.114	1.443	0.253	1.665	1.630	-0.081	1.351	1.733	1.841	0.483	0.441	0.139
S128	0.401	0.272	1.430	0.601	2.005	1.591	0.141	1.972	1.875	1.837	0.084	0.398	0.191
S129	0.321	0.248	1.462	0.382	1.680	1.649	0.254	1.520	1.751	1.861	0.485	0.329	0.109
S130	0.419	0.298	1.471	0.608	1.966	1.633	0.238	1.978	2.045	1.847	0.637	0.389	0.201
S131	0.268	0.450	1.475	0.405	2.009	1.694	0.176	1.955	1.873	1.870	0.427	0.275	0.117
S132	0.359	0.246	1.464	0.485	1.978	1.663	0.387	1.828	2.052	1.830	0.601	0.217	-0.023
S133	0.173	0.458	1.476	0.369	2.135	1.698	0.164	1.991	2.049	1.850	0.413	0.253	0.163
S134	0.309	0.315	1.437	0.464	2.077	1.424	0.500	1.916	1.972	1.840	0.593	0.239	-0.091
\$135	0.229	0.458	1.436	-0.031	2.121	1.615	0.088	1.944	1.983	1.821	0.395	0.274	0.116
S136	0.327	0.326	1.417	0.495	2.102	1.645	0.251	1.954	1.795	1.832	0.582	0.256	-0.102
S137	0.322	0.282	1.376	-0.045	1.970	1.542	0.033	1.906	1.822	1.862	0.362	0.291	0.131
S138	0.331	0.316	1.435	0.485	2.021	1.545	0.118	1.922	1.771	1.729	0.560	0.264	0.113
S139	0.187	-0.157	1.357	0.130	1.742	1.412	0.066	1.788	1.506	1.828	0.293	0.284	0.092
S140	0.127	0.281	1.309	0.210	1.697	1.407	0.109	1.886	1.742	1.719	0.582	0.187	-0.128
S141	0.383	0.089	0.020	0.563	0.495	0.193	0.445	0.072	0.397	0.664	0.536	-0.392	0.115

S143	0.271	0.147	0.041	0.381	0.423	0.194	0.291	0.064	0.431	0.648	0.559	-0.342	0.135
S144	0.370	0.302	0.056	0.559	0.646	0.163	1.096	0.587	0.418	0.544	0.013	0.060	0.167
\$145	0.194	0.160	0.098	0.178	0.559	0.303	0.066	0.061	0.456	0.571	0.596	-0.279	0.016
S146	0.442	0.376	0.062	0.750	0.882	0.281	0.441	0.636	0.378	0.597	-0.005	0.195	0.137
S147	0.237	0.184	0.114	0.322	0.561	0.319	0.000	0.044	0.480	0.580	0.604	-0.082	-0.037
S148	0.464	0.431	0.119	0.768	0.850	0.350	0.183	0.652	0.533	0.613	-0.030	0.250	0.104
S149	0.368	0.182	0.154	0.631	0.544	0.368	0.021	0.170	0.518	0.607	0.632	-0.019	-0.061
\$150	0.494	0.426	0.166	0.775	0.740	0.410	0.199	0.498	0.772	0.622	0.104	0.230	0.073
\$151	0.277	0.333	0.178	0.673	0.843	0.404	0.036	0.700	0.802	0.626	0.621	-0.192	-0.084
S152	0.456	0.242	0.174	0.677	0.739	0.420	0.621	0.600	0.531	0.606	0.610	0.225	0.014
\$153	0.271	0.517	0.173	0.270	0.957	0.419	0.016	0.703	0.817	0.608	0.598	-0.221	-0.052
\$154	0.402	0.381	0.177	0.648	0.864	0.396	0.615	0.681	0.658	0.596	0.585	0.331	-0.138
\$155	0.404	0.546	0.111	0.254	1.031	0.427	0.111	0.691	0.790	0.588	0.565	-0.199	-0.009
\$156	0.409	0.478	0.140	0.674	0.940	0.408	0.609	0.707	0.372	0.508	0.566	0.317	-0.112
\$157	0.414	0.517	0.067	0.231	0.775	0.389	0.475	0.440	0.748	0.614	0.538	-0.137	0.016
\$158	0.392	0.479	0.119	0.661	0.947	0.371	0.465	0.664	0.261	0.428	0.585	0.185	-0.119
S159	0.353	0.440	0.045	0.315	0.585	0.211	0.636	0.516	0.614	0.528	0.413	-0.183	-0.081
S160	0.272	0.311	0.049	0.103	0.814	0.146	0.346	0.651	0.234	0.333	4.570	0.115	-0.333
S161	0.546	0.257	0.062	0.455	0.284	0.123	0.231	0.061	0.322	0.639	0.679	0.398	0.771
S162	0.583	0.563	0.060	0.349	0.537	0.160	0.269	0.413	0.380	0.417	0.143	0.576	0.760
S163	0.463	0.379	0.066	0.163	0.326	0.158	0.076	0.072	0.376	0.637	0.667	0.391	0.785
S164	0.541	0.557	0.080	0.416	0.740	0.185	1.022	0.562	0.396	0.445	0.142	0.600	0.789
S165	0.411	0.391	0.110	0.233	0.403	0.284	0.056	0.061	0.394	0.600	0.716	0.609	0.713
S167	0.411	0.403	0.126	0.348	0.412	0.257	-0.086	0.061	0.451	0.572	0.733	0.748	0.618
S168	0.690	0.653	0.184	0.679	0.773	0.342	0.192	0.652	0.681	0.571	0.129	0.710	0.732
S169	0.478	0.425	0.184	0.569	0.481	0.355	-0.087	0.097	0.479	0.584	0.766	0.767	0.570
S170	0.707	0.631	0.194	0.707	0.715	0.409	0.241	0.660	0.697	0.575	0.178	0.635	0.725
S171	0.591	0.604	0.209	0.565	0.872	0.400	-0.091	0.456	0.527	0.592	0.723	0.515	0.575
\$172	0.691	0.572	0.217	0.606	0.662	0.406	0.531	0.657	0.750	0.563	0.401	0.647	0.639
\$173	0.555	0.273	0.215	0.229	0.885	0.421	-0.091	0.773	0.773	0.603	0.651	0.475	0.564
S174	0.635	0.644	0.197	0.585	0.669	0.386	0.502	0.690	0.663	0.564	0.719	0.710	0.546
S175	0.616	0.281	0.178	0.149	0.945	0.378	-0.060	0.694	0.570	0.602	0.656	0.517	0.602
S176	0.628	0.646	0.151	0.598	0.714	0.361	0.608	0.685	0.610	0.511	0.673	0.759	0.507
\$177	0.633	0.205	0.109	0.308	0.896	0.304	0.169	0.643	0.598	0.604	0.624	0.512	0.643
S178	0.622	0.627	0.121	0.627	0.845	0.286	0.159	0.642	0.497	0.453	0.675	0.681	0.509
S179	0.576	0.375	0.076	0.584	0.689	0.190	0.542	0.620	0.198	0.569	0.540	0.447	0.660
S180	0.261	0.540	0.081	0.595	0.423	0.216	0.216	0.634	0.614	0.355	0.631	0.585	0.401
S181	0.113	0.071	0.031	0.140	0.122	0.062	0.336	0.025	0.922	0.458	0.457	0.021	1.804
S182	0.163	0.140	0.026	0.147	0.184	0.065	0.285	0.480	0.643	0.341	0.181	0.471	0.595
S183	0.109	0.090	0.042	0.130	0.183	0.102	0.332	0.045	0.317	0.479	0.485	0.124	1.856
S184	0.177	0.160	0.031	0.222	0.313	0.092	0.292	0.597	0.146	0.429	0.159	0.533	0.612
S185	0.108	0.085	0.057	0.077	0.186	0.108	0.302	0.048	-0.220	0.442	0.551	0.261	1.753
S186	0.196	0.199	0.054	0.245	0.353	0.122	0.436	0.646	1.617	0.444	0.194	0.624	0.635
S187	0.106	0.097	0.076	0.092	0.192	0.139	0.334	0.023	-0.166	0.420	0.569	0.510	1.704
S188	0.213	0.200	0.073	0.296	0.393	0.151	0.477	0.669	1.264	0.458	0.104	0.712	0.551
S189	0.146	0.099	0.086	0.194	0.199	0.124	0.434	0.020	-0.037	0.439	0.583	0.377	1.719

S191	0.149	0.153	0.095	0.269	0.303	0.183	0.452	0.554	0.623	0.484	0.564	0.070	1.779
S192	0.192	0.162	0.096	0.243	0.323	0.139	0.485	0.550	0.288	0.436	0.553	0.666	0.408
S193	0.146	0.214	0.094	0.231	0.360	0.174	0.362	0.725	-0.158	0.460	0.536	0.101	1.773
S194	0.191	0.159	0.093	0.241	0.325	0.145	0.521	0.681	0.337	0.427	0.558	0.679	0.411
S195	0.148	0.250	0.082	0.073	0.373	0.158	0.450	0.606	-0.154	0.427	0.519	0.170	1.797
S196	0.180	0.167	0.086	0.255	0.327	0.131	0.506	0.653	1.407	0.425	0.527	0.691	0.407
S197	0.125	0.217	0.056	0.047	0.353	0.108	0.473	0.521	1.858	0.466	0.491	0.161	1.675
S198	0.179	0.176	0.061	0.261	0.351	0.099	0.442	0.595	3.314	0.388	0.526	0.612	0.414
S199	0.119	0.037	0.042	0.056	0.258	0.065	0.311	0.434	1.789	0.424	0.365	0.076	1.731
\$200	0.127	0.137	0.043	0.243	0.187	0.079	0.326	0.536	2.462	0.340	0.513	0.443	0.378
\$201	0.077	0.015	0.003	0.077	0.042	0.014	0.205	0.009	2.190	0.299	0.301	0.156	0.161
\$202	0.069	0.065	0.007	0.115	0.148	0.036	0.165	0.320	0.347	0.170	0.061	0.322	0.379
\$203	0.053	0.016	0.007	0.028	0.031	0.010	0.209	0.004	3.110	0.295	0.302	0.164	0.188
\$204	0.087	0.043	0.016	0.134	0.166	0.019	0.160	0.367	-0.430	0.198	0.028	0.348	0.364
\$205	0.047	0.021	0.030	0.011	0.188	0.038	0.191	0.005	2.486	0.262	0.336	0.244	0.265
\$206	0.109	0.104	0.025	0.154	0.211	0.018	0.320	0.385	-0.277	0.249	0.043	0.463	0.353
\$207	0.030	0.030	0.029	0.032	0.104	0.047	0.209	0.024	2.684	0.241	0.366	0.386	0.307
\$208	0.084	0.112	0.034	0.172	0.210	0.076	0.308	0.402	-0.240	0.274	0.050	0.391	0.344
\$209	0.050	0.017	0.040	0.131	0.088	0.085	0.306	0.032	1.562	0.252	0.372	0.399	0.311
\$210	0.153	0.116	0.045	0.169	0.204	0.086	0.333	0.354	-0.188	0.271	0.003	0.303	0.270
S211	0.071	0.035	0.049	0.157	0.129	0.084	0.321	0.560	1.309	0.259	0.357	0.185	0.246
S212	0.116	0.110	0.057	0.160	0.210	0.090	0.350	0.402	-0.108	0.267	0.362	0.317	0.223
\$213	0.065	0.098	0.052	0.096	0.248	0.089	0.277	0.535	0.061	0.275	0.344	0.178	0.288
\$215	0.050	0.103	0.042	0.008	0.241	0.089	0.209	0.424	0.197	0.267	0.334	0.168	0.261
\$216	0.102	0.142	0.051	0.157	0.141	0.075	0.356	0.475	-0.223	0.210	0.351	0.400	0.269
\$217	0.065	0.113	0.038	0.008	0.206	0.080	0.192	0.337	3.673	0.259	0.313	0.192	0.259
\$218	0.104	0.178	0.042	0.179	0.237	0.020	0.312	0.771	-0.076	0.164	0.346	0.389	0.225
S219	0.273	0.041	0.003	0.032	0.158	0.107	0.289	0.282	3.740	0.279	0.271	0.214	0.246
\$220	0.101	0.118	0.035	0.134	0.171	0.007	0.248	0.247	2.844	0.174	0.272	0.339	0.203
\$221	0.098	0.487	0.049	0.135	0.102	0.052	0.748	0.049	2.580	0.387	0.343	0.150	0.001
\$222	0.128	0.072	0.003	0.058	0.111	0.047	0.160	0.382	1.165	0.234	-0.011	0.401	-0.090
\$223	0.065	0.498	0.051	0.094	0.132	0.058	0.765	0.036	3.307	0.382	0.428	0.092	0.031
\$224	0.131	0.091	0.009	0.131	0.175	0.101	0.222	0.462	0.738	0.339	0.046	0.433	0.043
\$225	0.065	0.504	0.080	0.089	0.163	0.091	0.712	0.024	3.318	0.342	0.437	0.243	-0.035
\$226	0.148	0.092	0.037	0.165	0.224	0.116	0.244	0.534	-0.273	0.349	-0.008	0.457	0.039
\$227	0.067	0.506	0.080	0.127	0.155	0.118	0.684	0.010	3.827	0.327	0.446	0.401	-0.009
\$228	0.157	0.086	0.049	0.182	0.196	0.132	0.346	0.543	-0.219	0.343	0.013	0.533	0.011
\$229	0.110	0.504	0.097	0.209	0.157	0.131	0.818	0.004	2.815	0.340	0.462	0.463	-0.116
\$230	0.172	0.059	0.053	0.181	0.161	0.140	0.328	0.420	-0.074	0.347	0.286	0.545	0.012
\$231	0.152	0.567	0.098	0.219	0.287	0.131	0.866	0.663	1.540	0.356	0.467	0.428	-0.065
\$232	0.156	0.035	0.062	0.173	0.149	0.141	0.342	0.253	-0.201	0.346	0.434	0.511	-0.151
\$233	0.111	0.625	0.099	0.083	0.293	0.147	0.847	0.552	-0.070	0.351	0.456	0.275	-0.050
\$234	0.154	0.067	0.058	0.126	0.219	0.132	0.378	0.378	-0.228	0.298	0.429	0.350	-0.142
\$235	0.118	0.642	0.094	0.035	0.314	0.143	0.806	0.559	1.239	0.336	0.434	0.266	-0.027
\$236	0.153	0.098	0.050	0.157	0.226	0.128	0.358	0.567	-0.219	0.274	0.374	0.504	-0.163
S237	0.124	0.638	0.070	0.096	0.282	0.120	0.850	0.407	4.020	0.337	0.411	0.291	-0.010

0.101	0.118	0.035	0.134	0.171	0.007	0.248	0.247	2.844	0.174	0.272	0.339	0.203
0.098	0.487	0.049	0.135	0.102	0.052	0.748	0.049	2.580	0.387	0.343	0.150	0.001
0.128	0.072	0.003	0.058	0.111	0.047	0.160	0.382	1.165	0.234	-0.011	0.401	-0.090
0.065	0.498	0.051	0.094	0.132	0.058	0.765	0.036	3.307	0.382	0.428	0.092	0.031
0.131	0.091	0.009	0.131	0.175	0.101	0.222	0.462	0.738	0.339	0.046	0.433	0.043
0.065	0.504	0.080	0.089	0.163	0.091	0.712	0.024	3.318	0.342	0.437	0.243	-0.035
0.148	0.092	0.037	0.165	0.224	0.116	0.244	0.534	-0.273	0.349	-0.008	0.457	0.039
0.067	0.506	0.080	0.127	0.155	0.118	0.684	0.010	3.827	0.327	0.446	0.401	-0.009
0.157	0.086	0.049	0.182	0.196	0.132	0.346	0.543	-0.219	0.343	0.013	0.533	0.011
0.110	0.504	0.097	0.209	0.157	0.131	0.818	0.004	2.815	0.340	0.462	0.463	-0.116
0.172	0.059	0.053	0.181	0.161	0.140	0.328	0.420	-0.074	0.347	0.286	0.545	0.012
0.152	0.567	0.098	0.219	0.287	0.131	0.866	0.663	1.540	0.356	0.467	0.428	-0.065
0.156	0.035	0.062	0.173	0.149	0.141	0.342	0.253	-0.201	0.346	0.434	0.511	-0.151
0.111	0.625	0.099	0.083	0.293	0.147	0.847	0.552	-0.070	0.351	0.456	0.275	-0.050
0.154	0.067	0.058	0.126	0.219	0.132	0.378	0.378	-0.228	0.298	0.429	0.350	-0.142
0.118	0.642	0.094	0.035	0.314	0.143	0.806	0.559	1.239	0.336	0.434	0.266	-0.027
0.153	0.098	0.050	0.157	0.226	0.128	0.358	0.567	-0.219	0.274	0.374	0.504	-0.163
0.124	0.638	0.070	0.096	0.282	0.120	0.850	0.407	4.020	0.337	0.411	0.291	-0.010
0.145	0.097	0.015	0.156	0.204	0.096	0.278	0.598	-0.128	0.263	0.409	0.468	-0.176
0.138	0.583	0.043	0.096	0.113	0.088	0.817	0.368	3.854	0.337	0.725	0.292	-0.080
0.071	0.059	0.011	0.131	-0.003	0.095	0.204	0.501	0.450	0.240	0.303	0.443	-0.257
0.2	0.3	0.3	0.3	0.6	0.4	0.4	0.9	0.9	1.6	2.0	0.9	0.4
0.3	0.3	0.5	0.2	0.5	0.5	0.3	1.1	0.9	3.1	4.0	2.0	0.4
	0.101 0.098 0.128 0.065 0.131 0.065 0.148 0.067 0.157 0.157 0.110 0.152 0.152 0.156 0.111 0.154 0.153 0.124 0.145 0.138 0.071 0.2 0.3	0.101 0.118   0.098 0.487   0.128 0.072   0.065 0.498   0.131 0.091   0.065 0.504   0.148 0.092   0.067 0.506   0.157 0.086   0.110 0.504   0.152 0.567   0.152 0.567   0.154 0.067   0.153 0.098   0.114 0.625   0.154 0.067   0.153 0.098   0.124 0.638   0.145 0.097   0.138 0.583   0.071 0.059   0.2 0.3   0.3 0.3	0.101 0.118 0.035   0.098 0.487 0.049   0.128 0.072 0.003   0.065 0.498 0.051   0.131 0.091 0.009   0.065 0.504 0.080   0.148 0.092 0.037   0.067 0.506 0.080   0.157 0.086 0.049   0.110 0.504 0.097   0.157 0.086 0.049   0.110 0.504 0.097   0.157 0.085 0.062   0.152 0.567 0.098   0.156 0.035 0.062   0.111 0.625 0.099   0.154 0.067 0.058   0.118 0.642 0.094   0.153 0.098 0.050   0.124 0.638 0.070   0.138 0.583 0.043   0.071 0.059 0.011   0.2 0.3 0.3   0.3 </td <td>0.101 0.118 0.035 0.134   0.098 0.487 0.049 0.135   0.128 0.072 0.003 0.058   0.065 0.498 0.051 0.094   0.131 0.091 0.009 0.131   0.065 0.504 0.080 0.089   0.148 0.092 0.037 0.165   0.067 0.506 0.080 0.127   0.157 0.086 0.049 0.182   0.110 0.504 0.097 0.209   0.172 0.059 0.053 0.181   0.152 0.567 0.098 0.219   0.156 0.035 0.062 0.173   0.111 0.625 0.099 0.083   0.154 0.067 0.058 0.126   0.118 0.642 0.094 0.035   0.153 0.098 0.050 0.157   0.124 0.638 0.070 0.096   0.145 0.</td> <td>0.101 0.118 0.035 0.134 0.171   0.098 0.487 0.049 0.135 0.102   0.128 0.072 0.003 0.058 0.111   0.065 0.498 0.051 0.094 0.132   0.131 0.091 0.009 0.131 0.175   0.065 0.504 0.080 0.089 0.163   0.148 0.092 0.037 0.165 0.224   0.067 0.506 0.080 0.127 0.155   0.157 0.086 0.049 0.182 0.196   0.110 0.504 0.097 0.209 0.157   0.157 0.086 0.049 0.182 0.196   0.110 0.504 0.097 0.209 0.157   0.172 0.059 0.053 0.181 0.161   0.152 0.567 0.098 0.219 0.287   0.156 0.035 0.062 0.173 0.149   0.111</td> <td>0.101 0.118 0.035 0.134 0.171 0.007   0.098 0.487 0.049 0.135 0.102 0.052   0.128 0.072 0.003 0.058 0.111 0.047   0.065 0.498 0.051 0.094 0.132 0.058   0.131 0.091 0.009 0.131 0.175 0.101   0.065 0.504 0.080 0.089 0.163 0.091   0.065 0.504 0.080 0.127 0.155 0.118   0.067 0.506 0.080 0.127 0.155 0.118   0.157 0.086 0.049 0.182 0.196 0.132   0.110 0.504 0.097 0.209 0.157 0.131   0.157 0.086 0.049 0.182 0.196 0.132   0.110 0.504 0.097 0.209 0.157 0.131   0.150 0.050 0.151 0.149 0.141   0.152</td> <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248   0.098 0.487 0.049 0.135 0.102 0.052 0.748   0.128 0.072 0.003 0.058 0.111 0.047 0.160   0.065 0.498 0.051 0.094 0.132 0.058 0.765   0.131 0.091 0.009 0.131 0.175 0.101 0.222   0.065 0.504 0.080 0.089 0.163 0.091 0.712   0.148 0.092 0.037 0.165 0.224 0.116 0.244   0.067 0.506 0.080 0.127 0.155 0.118 0.684   0.157 0.506 0.080 0.127 0.155 0.118 0.684   0.157 0.506 0.097 0.209 0.157 0.131 0.846   0.150 0.505 0.181 0.161 0.140 0.328   0.152 0.567 0.098 &lt;</td> <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462   0.065 0.504 0.080 0.089 0.163 0.91 0.712 0.024   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010   0.157 0.086 0.049 0.182 0.196 0.132 0.346 0.543   0.107 0.504 0.097 0.209 0.157 0.131 0.818 0.004</td> <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462 0.738   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.273   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010 3.827   0.157 0.168 0.127 0.157 0.131 0.848 0.042 .815   0.172</td> <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462 0.738 0.339   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.273 0.349   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010 3.827 0.327   0.157 0.086<!--</td--><td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428   0.131 0.091 0.099 0.131 0.175 0.101 0.222 0.462 0.738 0.339 0.046   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.219 0.33 0.133   0.147 0.506 0.080 0.127 0.155 0.1</td><td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272 0.339   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343 0.150   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011 0.401   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428 0.092   0.131 0.091 0.175 0.101 0.222 0.462 0.738 0.339 0.046 0.433   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437 0.243   0.148 0.092 0.37 0.165 0.224 0.116 0.244 0.534 -0.273 0.343 0.013 0.53   0.60</td></td>	0.101 0.118 0.035 0.134   0.098 0.487 0.049 0.135   0.128 0.072 0.003 0.058   0.065 0.498 0.051 0.094   0.131 0.091 0.009 0.131   0.065 0.504 0.080 0.089   0.148 0.092 0.037 0.165   0.067 0.506 0.080 0.127   0.157 0.086 0.049 0.182   0.110 0.504 0.097 0.209   0.172 0.059 0.053 0.181   0.152 0.567 0.098 0.219   0.156 0.035 0.062 0.173   0.111 0.625 0.099 0.083   0.154 0.067 0.058 0.126   0.118 0.642 0.094 0.035   0.153 0.098 0.050 0.157   0.124 0.638 0.070 0.096   0.145 0.	0.101 0.118 0.035 0.134 0.171   0.098 0.487 0.049 0.135 0.102   0.128 0.072 0.003 0.058 0.111   0.065 0.498 0.051 0.094 0.132   0.131 0.091 0.009 0.131 0.175   0.065 0.504 0.080 0.089 0.163   0.148 0.092 0.037 0.165 0.224   0.067 0.506 0.080 0.127 0.155   0.157 0.086 0.049 0.182 0.196   0.110 0.504 0.097 0.209 0.157   0.157 0.086 0.049 0.182 0.196   0.110 0.504 0.097 0.209 0.157   0.172 0.059 0.053 0.181 0.161   0.152 0.567 0.098 0.219 0.287   0.156 0.035 0.062 0.173 0.149   0.111	0.101 0.118 0.035 0.134 0.171 0.007   0.098 0.487 0.049 0.135 0.102 0.052   0.128 0.072 0.003 0.058 0.111 0.047   0.065 0.498 0.051 0.094 0.132 0.058   0.131 0.091 0.009 0.131 0.175 0.101   0.065 0.504 0.080 0.089 0.163 0.091   0.065 0.504 0.080 0.127 0.155 0.118   0.067 0.506 0.080 0.127 0.155 0.118   0.157 0.086 0.049 0.182 0.196 0.132   0.110 0.504 0.097 0.209 0.157 0.131   0.157 0.086 0.049 0.182 0.196 0.132   0.110 0.504 0.097 0.209 0.157 0.131   0.150 0.050 0.151 0.149 0.141   0.152	0.101 0.118 0.035 0.134 0.171 0.007 0.248   0.098 0.487 0.049 0.135 0.102 0.052 0.748   0.128 0.072 0.003 0.058 0.111 0.047 0.160   0.065 0.498 0.051 0.094 0.132 0.058 0.765   0.131 0.091 0.009 0.131 0.175 0.101 0.222   0.065 0.504 0.080 0.089 0.163 0.091 0.712   0.148 0.092 0.037 0.165 0.224 0.116 0.244   0.067 0.506 0.080 0.127 0.155 0.118 0.684   0.157 0.506 0.080 0.127 0.155 0.118 0.684   0.157 0.506 0.097 0.209 0.157 0.131 0.846   0.150 0.505 0.181 0.161 0.140 0.328   0.152 0.567 0.098 <	0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462   0.065 0.504 0.080 0.089 0.163 0.91 0.712 0.024   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010   0.157 0.086 0.049 0.182 0.196 0.132 0.346 0.543   0.107 0.504 0.097 0.209 0.157 0.131 0.818 0.004	0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462 0.738   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.273   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010 3.827   0.157 0.168 0.127 0.157 0.131 0.848 0.042 .815   0.172	0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382   0.131 0.091 0.009 0.131 0.175 0.101 0.222 0.462 0.738 0.339   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.273 0.349   0.067 0.506 0.080 0.127 0.155 0.118 0.684 0.010 3.827 0.327   0.157 0.086 </td <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428   0.131 0.091 0.099 0.131 0.175 0.101 0.222 0.462 0.738 0.339 0.046   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.219 0.33 0.133   0.147 0.506 0.080 0.127 0.155 0.1</td> <td>0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272 0.339   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343 0.150   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011 0.401   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428 0.092   0.131 0.091 0.175 0.101 0.222 0.462 0.738 0.339 0.046 0.433   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437 0.243   0.148 0.092 0.37 0.165 0.224 0.116 0.244 0.534 -0.273 0.343 0.013 0.53   0.60</td>	0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428   0.131 0.091 0.099 0.131 0.175 0.101 0.222 0.462 0.738 0.339 0.046   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437   0.148 0.092 0.037 0.165 0.224 0.116 0.244 0.534 -0.219 0.33 0.133   0.147 0.506 0.080 0.127 0.155 0.1	0.101 0.118 0.035 0.134 0.171 0.007 0.248 0.247 2.844 0.174 0.272 0.339   0.098 0.487 0.049 0.135 0.102 0.052 0.748 0.049 2.580 0.387 0.343 0.150   0.128 0.072 0.003 0.058 0.111 0.047 0.160 0.382 1.165 0.234 -0.011 0.401   0.065 0.498 0.051 0.094 0.132 0.058 0.765 0.036 3.307 0.382 0.428 0.092   0.131 0.091 0.175 0.101 0.222 0.462 0.738 0.339 0.046 0.433   0.065 0.504 0.080 0.089 0.163 0.091 0.712 0.024 3.318 0.342 0.437 0.243   0.148 0.092 0.37 0.165 0.224 0.116 0.244 0.534 -0.273 0.343 0.013 0.53   0.60

MEAN AND STANDARD DEVIATION

1				DIMD			. •							
		Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13
	S1	-0.349	-0.910	-0.611	1.850	-1.044	-0.768	0.405	-0.727	-0.504	-0.310	-0.347	-0.245	0.792
	<b>S</b> 2	2.760	-0.917	-0.598	0.137	-0.797	-0.791	-0.424	0.021	-0.777	-0.393	-0.465	-0.112	0.506
	<b>S</b> 3	-0.758	-0.917	-0.625	-0.486	-0.857	-0.772	0.434	-0.716	-0.513	-0.326	-0.331	-0.189	0.761
	<b>S4</b>	2.767	-0.923	-0.627	0.448	-0.979	-0.604	1.101	-0.017	-0.808	-0.367	-0.466	-0.083	0.427
	<b>S</b> 5	-0.750	-0.913	-0.631	-0.670	-0.818	-0.727	0.097	-0.730	-0.489	-0.354	-0.301	-0.121	0.637
	<b>S6</b>	-0.357	-0.872	-0.620	1.128	-0.413	-0.532	1.324	0.094	-0.678	-0.348	-0.476	-0.043	0.508
	<b>S7</b>	-0.746	-0.907	-0.636	-0.184	-0.824	-0.647	0.003	-0.739	-0.425	-0.347	-0.313	-0.181	0.392
	<u>S8</u>	-0.719	-0.875	-0.642	1.137	-0.583	-0.583	1.475	-0.041	-0.363	-0.347	-0.476	-0.038	0.575
	<u>S9</u>	-0.750	-0.923	-0.647	0.665	-0.859	-0.621	-0.445	-0.733	-0.497	-0.343	-0.320	-0.054	0.327
	S10	-0.761	-0.879	-0.660	1.180	-0.728	-0.593	1.629	-0.340	-0.236	-0.346	-0.470	-0.244	0.654
	S11	-0.765	-0.815	-0.642	-0.061	-0.609	-0.606	0.416	0.150	-0.223	-0.340	-0.333	-0.225	0.310
	S12	0.622	-0.859	-0.638	0.826	-0.626	-0.600	1.478	-0.430	-0.188	-0.355	-0.314	-0.167	0.377
	S13	-0.746	-0.780	-0.642	-0.844	-0.476	-0.610	0.667	0.145	-0.142	-0.341	-0.336	-0.234	0.489
	S14	1.230	-0.834	-0.647	0.788	-0.519	-0.602	1.536	-0.081	-0.470	-0.354	-0.322	-0.181	0.098
	S15	-0.742	-0.726	-0.629	-1.104	-0.232	-0.600	0.229	0.229	0.027	-0.353	-0.335	-0.193	0.501
	S16	1.207	-0.790	-0.649	0.736	-0.519	-0.627	1.475	0.024	-0.626	-0.387	-0.324	-0.077	0.029
	S17	-0.765	-0.755	-0.605	-0.759	-0.308	-0.653	-0.470	0.028	-0.061	-0.334	-0.336	-0.181	0.625
	S18	1.319	-0.802	-0.634	0.647	-0.545	-0.710	1.119	-0.043	-0.739	-0.422	-0.325	-0.097	0.024
	S19	-0.773	-0.755	-0.600	-1.019	-0.631	-0.670	-0.004	-0.291	-0.658	-0.393	-0.377	-0.241	-0.085
	S20	0.329	-0.917	-0.634	-0.821	-0.749	-0.804	-0.427	-0.211	-0.789	-0.452	-0.340	-0.117	-0.421
	S21	-0.900	-0.853	-0.642	-0.212	-0.850	-0.712	-0.639	-0.694	-0.986	3.448	2.450	0.008	-0.946
	S22	3.126	-0.866	-0.651	-0.849	-0.579	-0.615	-1.665	-0.429	-0.838	-0.526	-0.329	-0.046	0.976
	S24	2.578	-0.828	-0.645	-0.736	-0.570	-0.532	-1.328	-0.436	-0.875	-0.516	-0.327	-0.030	0.887
	S25	-1.070	-0.863	-0.634	-1.184	-0.779	-0.708	-0.689	-0.704	-0.932	3.134	2.698	5.046	-1.234
	S26	-0.981	-0.796	-0.642	0.156	-0.424	-0.504	-0.086	-0.433	-0.887	-0.494	-0.321	0.029	0.914
	S27	-1.181	-0.866	-0.620	-0.745	-0.805	-0.598	-0.481	-0.736	-0.923	3.192	2.847	5.741	-1.356
	S28	-1.443	-0.802	-0.638	0.293	-0.510	-0.525	-0.291	-0.353	-0.690	-0.492	-0.318	0.079	0.825
	S29	-1.201	-0.866	-0.620	0.062	-0.833	-0.574	0.412	-0.741	-0.972	3.244	2.895	5.775	-1.375
	S30	-0.908	-0.793	-0.620	0.208	-0.620	-0.489	-0.015	-0.606	-0.453	-0.491	-0.312	0.062	0.740
	S31	-0.969	-0.818	-0.618	-0.217	-0.676	-0.525	0.366	0.192	-0.585	3.318	2.756	4.690	-1.432
	S32	0.841	-0.790	-0.611	-0.193	-0.616	-0.525	-0.004	-0.629	-0.276	-0.505	2.680	0.049	0.341
	\$33	-0.939	-0.707	-0.627	-1.590	-0.422	-0.502	-0.226	0.339	-0.479	3.338	2.660	0.027	-1.378
	\$34	1.369	-0.720	-0.605	-0.193	-0.437	-0.527	0.025	-0.261	-0.279	-0.498	2.564	0.038	0.196
	S35	-0.946	-0.694	-0.642	-2.203	-0.260	-0.517	-0.359	0.104	-0.419	3.241	2.640	0.039	-1.318
	S36	0.714	-0.717	-0.600	-0.160	-0.424	-0.510	0.301	-0.348	-0.380	-0.514	2.662	0.052	0.287
	S37	-0.916	-0.723	-0.658	-2.279	-0.301	-0.598	-0.173	-0.001	-0.505	3.289	2.604	0.086	-1.227
	S38	1.226	-0.713	-0.607	-0.151	-0.476	-0.598	-0.553	-0.407	-0.729	-0.489	2.652	0.027	0.148
	\$39	-0.754	-0.809	-0.660	-2.250	-0.908	-0.729	-0.137	-0.296	-1.120	3.111	2.291	0.055	-1.497
	S40	-0.145	-0.777	-0.609	-1.873	-0.755	-0.732	-1.949	-0.144	-1.091	-0.459	2.493	-0.098	-0.061
	S41	-0.804	1.791	1.221	0.146	0.603	1.086	0.305	0.050	0.506	-0.039	-0.333	-0.209	1.009
	S42	3.368	1.769	1.210	-0.028	0.625	1.131	-0.460	0.510	0.449	-0.112	-0.473	-0.155	1.000
	\$43	-0.896	1.804	1.230	-0.495	0.733	1.101	0.427	0.037	0.541	-0.049	-0.324	-0.233	0.923
	S44	1.908	1.810	1.206	0.656	1.213	1.099	1.259	0.627	0.442	-0.105	-0.465	-0.063	0.873
	\$45	-0.900	1.791	1.232	-0.627	0.750	1.160	0.330	0.028	0.548	-0.070	-0.301	-0,161	0.606
	\$46	-0.842	1.849	1.212	1.312	2,180	1.162	1.482	0.809	0.510	-0.084	-0,453	-0.040	0.742

S48 -0.877 1.839 1.223 1.260 1.021 1.220 0.803 0.621 -0.071 -0.442 0.015 0.442 0.025 0.442 0.025 0.442 0.025 0.442 0.025 0.442 0.025 0.442 0.025 0.443 0.025 0.443 0.025 0.443 0.025 0.443 0.025 0.443 0.025 0.443 0.025 0.021 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>															
S49 -0.761 1.201 1.221 1.224 0.76 6.439 0.547 -0.062 0.443 -0.070 0.721   S50 0.829 1.845 1.232 1.576 0.891 0.721 0.622 0.448 -0.070 0.721   S51 0.881 1.849 1.230 0.831 1.120 1.522 0.643 0.444 -0.064 0.310 -0.029 0.032   S54 0.887 1.849 1.237 1.170 1.122 0.172 0.733 1.005 0.330 -0.027 0.233 0.026 0.330 0.027 0.318 0.031 0.025 0.026 0.333 0.109 0.535   S55 0.628 1.893 1.234 1.137 0.911 1.235 1.087 0.661 0.333 0.007 0.669   S56 0.028 1.893 1.232 1.213 0.721 0.441 0.574 0.661 0.333 0.139 0.322 -0.023 0.441 0	ļ	S48	-0.877	1.839	1.223	1.505	1.032	1.269	1.712	0.803	0.621	-0.077	-0.442	-0.017	0.642
S50 -0.892 1.845 1.230 0.831 1.120 1.275 1.625 0.887 0.791 -0.054 -0.316 -0.220 0.489   S51 -0.881 1.899 1.227 1.005 0.823 1.190 1.582 0.684 0.484 -0.067 0.310 -0.097 0.132   S54 0.887 1.878 1.287 1.091 1.148 1.244 1.727 0.736 0.072 0.318 0.017 0.318 0.017 0.318 0.017 0.318 0.027 0.048 0.027 0.064 0.333 0.019 0.064 0.333 0.019 0.011 1.556 0.028 1.833 1.120 1.726 1.148 1.274 0.661 0.284 0.130 0.322 0.002 0.004 0.333 0.019 0.031 0.322 0.022 0.023   S56 0.028 1.833 1.212 0.596 0.036 0.443 0.354 0.135 0.329 0.132 0.137	ļ	S49	-0.761	1.801	1.232	1.284	0.703	1.203	1.676	6.439	0.547	-0.061	-0.303	-0.055	0.482
S51 -0.881 1.849 1.237 0.081 1.825 0.643 0.484 -0.067 -0.310 0.087   S52 -0.288 1.839 1.127 0.082 1.109 1.582 0.643 0.484 -0.067 -0.310 -0.023 0.566   S54 0.887 1.849 1.129 1.126 1.122 0.172 0.734 0.066 0.333 -0.027 0.318 -0.021 0.566   S55 0.865 1.925 1.126 1.228 0.171 0.204 0.674 0.57 -0.064 0.333 -0.002 -0.045   S56 0.025 1.818 1.212 1.212 1.30 0.207 0.461 0.323 -0.022 -0.023   S56 0.756 1.690 1.186 0.760 0.430 0.334 -0.133 0.332 -0.023 0.131   S61 0.738 1.838 1.121 0.599 0.896 1.050 0.434 0.334 -0.132 <td< td=""><td></td><td>S50</td><td>-0.892</td><td>1.845</td><td>1.232</td><td>1.576</td><td>0.899</td><td>1.258</td><td>1.834</td><td>0.725</td><td>0.580</td><td>-0.062</td><td>-0.443</td><td>-0.070</td><td>0.721</td></td<>		S50	-0.892	1.845	1.232	1.576	0.899	1.258	1.834	0.725	0.580	-0.062	-0.443	-0.070	0.721
S52 -0.288 1.839 1.227 1.005 0.823 1.190 1.582 0.644 0.047 -0.310 -0.007 0.312   S53 -0.881 1.902 1.228 -0.297 1.170 1.273 0.944 0.907 0.874 -0.047 -0.327 -0.223 0.566   S55 -0.865 1.829 1.219 1.126 1.172 0.735 1.063 -0.065 -0.330 -0.207 0.649   S55 -0.865 1.877 1.208 1.127 1.136 0.877 0.813 -0.081 0.322 -0.002 -0.043   S57 -0.815 1.877 1.208 1.122 1.130 0.126 0.444 0.539 -0.044 0.323 -0.012 -0.023   S58 0.756 1.883 1.212 0.599 0.896 1.050 -0.036 0.444 0.354 -0.135 -0.329 -0.123 0.111   S61 -0.738 1.883 1.212 0.599		S51	-0.881	1.849	1.230	0.831	1.120	1.275	1.625	0.897	0.791	-0.054	-0.316	-0.220	0.499
S53 -0.881 1.902 1.228 -0.271 1.170 1.273 0.974 -0.047 -0.327 -0.223 0.506   S54 0.857 1.849 1.237 1.019 1.148 1.228 0.172 0.736 1.013 -0.007 -0.318 -0.007 -0.464   S55 0.028 1.833 1.234 1.137 0.911 1.235 1.067 0.827 0.431 -0.031 -0.029 -0.045   S56 0.028 1.833 1.221 1.221 1.413 1.776 1.148 1.274 0.661 0.284 -0.130 0.329 -0.123 0.017 0.061 0.484 0.354 -0.135 -0.329 -0.123 0.115   S61 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   S62 -0.61 0.611 1.800 1.050 1.050 0.334 0.021 -0.323 <td></td> <td>S52</td> <td>-0.288</td> <td>1.839</td> <td>1.237</td> <td>1.005</td> <td>0.823</td> <td>1.190</td> <td>1.582</td> <td>0.643</td> <td>0.484</td> <td>-0.067</td> <td>-0.310</td> <td>-0.097</td> <td>0.132</td>		S52	-0.288	1.839	1.237	1.005	0.823	1.190	1.582	0.643	0.484	-0.067	-0.310	-0.097	0.132
S54 0.657 1.849 1.221 1.128 1.228 0.172 0.013 0.057 -0.072 -0.318 -0.015 0.067   S55 -0.865 1.295 1.219 1.269 1.400 1.228 0.172 0.736 1.063 -0.056 -0.330 -0.207 0.649   S56 0.028 1.897 1.228 1.137 0.204 0.674 0.957 -0.064 -0.333 -0.019 0.511   S58 1.743 1.915 1.222 1.213 0.726 1.148 1.274 0.661 0.328 -0.044 -0.339 -0.027 -0.023   S51 0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   S61 0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115 0.326 0.127 0.379 <td></td> <td>S53</td> <td>-0.881</td> <td>1.902</td> <td>1.228</td> <td>-0.297</td> <td>1.170</td> <td>1.273</td> <td>0.944</td> <td>0.907</td> <td>0.874</td> <td>-0.047</td> <td>-0.327</td> <td>-0.223</td> <td>0.506</td>		S53	-0.881	1.902	1.228	-0.297	1.170	1.273	0.944	0.907	0.874	-0.047	-0.327	-0.223	0.506
S55 -0.865 1.925 1.219 -1.229 1.400 1.228 0.172 0.736 1.0051 -0.032 -0.027 0.649   S56 0.028 1.833 1.234 1.137 0.911 1.235 1.087 0.431 -0.021 -0.022 -0.002 -0.023 0.072 -0.023   S59 0.756 1.690 1.186 0.276 1.148 1.274 0.661 0.284 -0.135 0.229 -0.023 0.072 0.021   S60 -0.738 1.883 1.112 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 0.329 -0.123 0.115   S61 -0.738 1.883 1.112 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 0.326 0.123 0.115   S62 0.767 0.917 0.598 0.137 -0.791 -0.424 0.021 -0.777 -0.393 -0.465 0.0112 0.566	ĺ	S54	0.857	1.849	1.237	1.019	1.148	1.264	1.722	0.133	0.573	-0.072	-0.318	-0.015	0.067
S56 0.028 1.893 1.248 1.137 0.911 1.235 1.087 0.827 0.031 0.022 0.002 0.0451   S58 1.743 1.915 1.227 1.340 1.147 0.661 0.957 0.064 0.333 0.199 0.511   S58 1.743 1.915 1.222 1.130 0.726 1.148 1.274 0.661 0.284 0.130 0.232 0.0072 0.023   S59 0.756 1.690 1.186 0.990 0.896 1.050 0.040 0.334 -0.135 0.329 -0.123 0.115   S61 0.738 1.883 1.212 0.599 0.896 1.050 0.036 0.443 0.354 -0.135 0.329 -0.123 0.115   S62 -0.349 -0.917 0.598 0.317 -0.777 0.424 0.021 -0.777 0.333 0.465 0.128 0.427   S64 -0.750 0.913 -0.610 0.		S55	-0.865	1.925	1.219	-1.269	1.400	1.228	0.172	0.736	1.063	-0.056	-0.330	-0.207	0.649
S57 -0.815 1.877 1.208 -1.227 1.340 1.173 0.204 0.674 0.957 -0.064 -0.332 0.072 0.021   S58 1.743 1.915 1.232 1.213 0.726 1.148 1.274 0.661 0.284 0.033 0.049 0.332 0.072 0.023   S59 0.756 1.680 1.883 1.212 0.599 0.896 1.050 0.036 0.443 0.354 -0.135 0.329 -0.123 0.115   S61 -0.788 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 0.329 -0.123 0.115   S62 0.349 -0.910 -0.611 1.058 0.777 0.504 0.031 0.345 0.112 0.506   S63 2.760 0.913 -0.611 0.684 0.027 -0.609 -0.770 0.380 0.310 0.121 0.637   S66 -0.750 <t< td=""><td></td><td>S56</td><td>0.028</td><td>1.893</td><td>1.234</td><td>1.137</td><td>0.911</td><td>1.235</td><td>1.087</td><td>0.827</td><td>0.431</td><td>-0.081</td><td>-0.322</td><td>-0.002</td><td>-0.045</td></t<>		S56	0.028	1.893	1.234	1.137	0.911	1.235	1.087	0.827	0.431	-0.081	-0.322	-0.002	-0.045
558 1.743 1.915 1.232 1.213 0.726 1.148 1.274 0.661 0.284 -0.130 -0.323 -0.072 -0.023   S59 0.756 1.690 1.186 -0.986 1.050 -0.036 0.440 0.539 -0.043 0.354 -0.135 -0.329 -0.123 0.115   S61 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   S62 -0.349 -0.910 -0.611 1.850 -1.044 -0.720 -0.024 -0.021 -0.777 -0.393 -0.465 -0.143 0.595   S64 -0.758 0.911 -0.652 -0.486 -0.877 -0.770 -0.393 -0.466 -0.083 0.424 0.027 -0.730 -0.489 -0.354 -0.301 -0.121 0.637   S67 -0.377 -0.872 -0.620 1.128 -0.441 0.0079 -0.730 <td></td> <td>S57</td> <td>-0.815</td> <td>1.877</td> <td>1.208</td> <td>-1.227</td> <td>1.340</td> <td>1.173</td> <td>0.204</td> <td>0.674</td> <td>0.957</td> <td>-0.064</td> <td>-0.333</td> <td>-0.199</td> <td>0.511</td>		S57	-0.815	1.877	1.208	-1.227	1.340	1.173	0.204	0.674	0.957	-0.064	-0.333	-0.199	0.511
S59 0.756 1.680 1.186 -0.986 0.970 1.060 0.305 0.440 0.539 -0.049 -0.379 -0.061 0.444   S60 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   S62 -0.349 -0.917 -0.598 0.137 -0.797 -0.791 -0.424 0.021 -0.777 -0.339 -0.465 -0.112 0.566   S64 -0.758 -0.917 -0.528 -0.486 0.357 -0.772 -0.643 -0.716 -0.513 -0.326 -0.331 0.189 0.761   S65 2.767 -0.923 -0.627 0.488 -0.277 0.979 -0.730 -0.488 -0.367 -0.344 -0.476 -0.031 -0.121 0.643   S66 -0.750 -0.913 -0.621 1.128 -0.141 -0.333 -0.340 -0.331 -0.181 -0.626	ĺ	S58	1.743	1.915	1.232	1.213	0.726	1.148	1.274	0.661	0.284	-0.130	-0.323	-0.072	-0.023
560 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   561 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.329 -0.123 0.115   562 -0.349 -0.910 -0.658 0.037 -0.772 -0.791 -0.424 0.021 -0.777 -0.393 -0.465 -0.112 0.566   564 -0.750 -0.913 -0.621 0.448 -0.377 0.030 -0.351 -0.326 -0.331 0.121 0.637   566 -0.750 -0.913 -0.621 1.128 -0.641 0.033 -0.374 -0.313 -0.181 0.929   569 -0.746 -0.907 -0.636 -0.184 -0.647 0.003 -0.739 -0.427 -0.331 -0.181 0.929   570 -0.719 -0.875 -0.642 0.665	ĺ	S59	0.756	1.690	1.186	-0.986	0.970	1.060	0.305	0.440	0.539	-0.049	-0.379	-0.061	0.494
S61 -0.738 1.883 1.212 0.599 0.896 1.050 -0.036 0.443 0.354 -0.135 -0.239 -0.123 0.113   S62 -0.349 -0.910 -0.611 1.860 -1.044 0.777 -0.704 0.021 -0.777 -0.339 -0.426 0.737 -0.731 -0.331 -0.189 0.761   S64 -0.758 0.917 -0.627 0.484 -0.772 0.0434 -0.716 -0.513 -0.326 -0.331 -0.189 0.761   S66 -0.750 -0.913 -0.627 0.448 -0.979 -0.730 -0.498 -0.354 -0.301 -0.121 0.637   S66 -0.750 -0.923 -0.620 1.128 -0.431 0.532 1.324 0.094 -0.673 -0.425 0.347 -0.476 -0.308 0.575   S70 -0.750 0.823 -0.642 -0.631 -0.699 -0.626 -0.660 0.416 0.515 0.423 -0.347		S60	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036	0.443	0.354	-0.135	-0.329	-0.123	0.115
S62 -0.349 -0.910 -0.611 1.850 -1.044 -0.768 0.405 -0.727 -0.504 -0.310 -0.347 -0.245 0.792   S63 2.760 0.917 -0.598 0.137 -0.797 0.791 -0.424 0.021 -0.777 -0.330 -0.465 -0.112 0.506   S64 -0.750 -0.913 -0.627 0.448 -0.877 0.077 0.036 -0.326 -0.331 -0.189 0.761   S66 -0.750 -0.913 -0.620 1.128 -0.413 -0.532 1.324 0.094 -0.678 -0.347 -0.313 -0.181 0.372   S66 -0.746 -0.907 -0.620 1.128 -0.641 -0.033 -0.427 -0.431 -0.353 -0.427 -0.437 -0.448 -0.436 -0.337 -0.427 -0.340 -0.338 0.521 -0.445 -0.337 -0.427 -0.340 -0.338 -0.227 -0.310 -0.557 -0.314 -0.161	ĺ	S61	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036	0.443	0.354	-0.135	-0.329	-0.123	0.115
563 2.760 -0.917 -0.598 0.137 -0.797 -0.791 -0.424 0.021 -0.777 -0.393 -0.465 -0.112 0.506   564 -0.750 -0.923 -0.627 0.448 -0.716 -0.513 -0.326 -0.331 -0.169 0.771   566 -0.750 -0.913 -0.631 -0.670 -0.818 -0.727 0.097 -0.730 -0.489 -0.354 -0.361 -0.121 0.637   567 -0.357 -0.872 -0.620 1.128 -0.413 -0.532 1.324 0.094 -0.348 -0.476 -0.033 0.575   569 -0.120 -0.642 1.137 -0.583 1.475 -0.041 -0.363 -0.347 -0.343 -0.320 -0.644 0.327   570 -0.750 -0.623 -0.641 -0.660 0.416 0.503 -0.344 -0.343 -0.320 -0.840 0.327   571 -0.766 -0.612 -0.604 0.41	ĺ	S62	-0.349	-0.910	-0.611	1.850	-1.044	-0.768	0.405	-0.727	-0.504	-0.310	-0.347	-0.245	0.792
564 -0.758 -0.917 -0.625 -0.486 -0.857 -0.772 0.434 -0.716 -0.513 -0.326 -0.331 -0.189 0.761   566 2.767 -0.923 -0.627 0.448 -0.979 -0.604 1.101 -0.017 -0.808 -0.357 -0.466 -0.033 0.427   566 -0.570 -0.913 -0.631 -0.670 -0.818 -0.777 0.097 -0.348 -0.344 -0.476 -0.043 0.557   567 -0.570 -0.572 -0.642 1.137 -0.583 1.475 -0.0415 -0.334 -0.320 -0.644 0.377   570 -0.750 -0.923 -0.647 0.665 -0.650 -0.416 0.150 -0.223 -0.344 -0.361 -0.320 -0.647 0.331 -0.251 0.314 -0.333 -0.225 0.314 -0.333 -0.251 0.320 -0.551 0.317   572 -0.765 -0.838 0.826 -0.626	Ì	S63	2.760	-0.917	-0.598	0.137	-0.797	-0.791	-0.424	0.021	-0.777	-0.393	-0.465	-0.112	0.506
S65 2.767 -0.923 -0.627 0.448 -0.979 -0.604 1.101 -0.017 -0.808 -0.367 -0.466 -0.083 0.427   S66 -0.750 -0.813 -0.670 -0.818 -0.727 0.094 -0.678 -0.348 -0.034 -0.043 -0.537   S67 -0.357 -0.620 1.128 -0.413 -0.532 1.324 0.094 -0.678 -0.348 -0.476 -0.043 0.538   S69 -0.719 -0.875 -0.642 1.137 -0.583 -0.583 1.475 -0.041 -0.363 -0.347 -0.476 -0.038 0.575   S70 -0.750 -0.642 -0.641 -0.669 -0.642 -0.445 -0.733 -0.497 -0.343 -0.225 0.310 -0.187   S72 -0.765 -0.642 -0.644 -0.676 -0.445 -0.733 -0.427 -0.344 -0.575 0.314 -0.167 0.448 -0.470 -0.354 -0.214	Ì	S64	-0.758	-0.917	-0.625	-0.486	-0.857	-0.772	0.434	-0.716	-0.513	-0.326	-0.331	-0.189	0.761
S66 -0.750 -0.913 -0.631 -0.670 -0.818 -0.727 0.097 -0.730 -0.489 -0.354 -0.301 -0.121 0.637   S67 -0.357 -0.620 1.128 -0.413 -0.532 1.324 0.094 -0.678 -0.348 -0.476 -0.043 0.508   S69 -0.719 -0.875 -0.642 1.137 -0.583 -0.751 -0.047 -0.038 0.757   S70 -0.750 -0.923 -0.647 0.665 -0.859 -0.616 0.146 0.150 -0.223 -0.340 -0.333 -0.220 -0.054 0.327   S72 -0.765 -0.815 -0.642 -0.661 -0.600 1.478 -0.142 -0.341 -0.333 -0.220 0.314 -0.167 0.377   S74 -0.746 -0.784 -0.622 -0.600 1.478 -0.142 -0.341 -0.335 -0.131 0.051   S75 1.230 -0.834 -0.647 0.77	Ì	S65	2.767	-0.923	-0.627	0.448	-0.979	-0.604	1.101	-0.017	-0.808	-0.367	-0.466	-0.083	0.427
\$67 -0.357 -0.672 -0.620 1.128 -0.413 -0.532 1.324 0.094 -0.678 -0.348 -0.476 -0.043 0.508   568 -0.719 -0.875 -0.642 1.137 -0.583 -0.621 -0.441 -0.333 -0.313 -0.1181 0.392   570 -0.750 -0.923 -0.647 1.069 -0.661 -0.445 -0.739 -0.343 -0.330 -0.225 0.310   572 -0.765 -0.815 -0.642 -0.061 -0.609 -0.661 0.445 -0.733 -0.223 -0.344 -0.333 -0.225 0.310   573 0.622 -0.859 -0.638 0.826 -0.660 1.478 -0.430 -0.188 -0.355 -0.314 -0.167 0.333 -0.223 -0.344 -0.336 -0.234 0.489   575 1.230 -0.647 -0.788 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.324 -0.077	Ì	S66	-0.750	-0.913	-0.631	-0.670	-0.818	-0.727	0.097	-0.730	-0.489	-0.354	-0.301	-0.121	0.637
568 -0.746 -0.907 -0.636 -0.184 -0.824 -0.647 0.003 -0.739 -0.425 -0.347 -0.313 -0.181 0.392   569 -0.719 -0.875 -0.642 1.137 -0.583 1.475 -0.041 -0.363 -0.347 -0.766 -0.038 0.575   570 -0.755 -0.642 1.0647 0.665 -0.859 -0.621 -0.445 -0.733 -0.497 -0.343 -0.320 -0.054 0.327   572 -0.756 -0.815 -0.642 -0.601 -0.600 1.418 -0.430 -0.188 -0.355 -0.314 -0.167 0.377   574 -0.746 -0.780 -0.642 -0.844 -0.476 -0.600 1.478 -0.420 -0.354 -0.322 -0.181 0.038   575 1.230 -0.834 -0.647 0.786 -0.519 -0.627 1.475 0.024 -0.626 -0.337 -0.336 -0.181 0.625 <td< td=""><td>Ì</td><td>S67</td><td>-0.357</td><td>-0.872</td><td>-0.620</td><td>1.128</td><td>-0.413</td><td>-0.532</td><td>1.324</td><td>0.094</td><td>-0.678</td><td>-0.348</td><td>-0.476</td><td>-0.043</td><td>0.508</td></td<>	Ì	S67	-0.357	-0.872	-0.620	1.128	-0.413	-0.532	1.324	0.094	-0.678	-0.348	-0.476	-0.043	0.508
\$69 -0.719 -0.875 -0.642 1.137 -0.583 -0.583 1.475 -0.041 -0.363 -0.347 -0.476 -0.038 0.575   \$70 -0.750 -0.923 -0.647 0.665 -0.859 -0.621 -0.445 -0.733 -0.497 -0.343 -0.320 -0.054 0.327   \$72 -0.765 -0.815 -0.642 -0.061 -0.609 -0.600 1.478 -0.430 -0.188 -0.335 -0.223 -0.340 -0.333 -0.224 0.330 -0.225 0.310   \$73 0.622 -0.634 0.826 -0.600 1.478 -0.430 -0.142 -0.341 -0.336 -0.224 0.489   \$75 1.230 -0.834 -0.647 0.788 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.333 -0.324 -0.077 0.029   \$77 1.207 -0.790 -0.634 0.647 -0.545 -0.710 1.117 -0.024 <t< td=""><td>Ì</td><td>S68</td><td>-0.746</td><td>-0.907</td><td>-0.636</td><td>-0.184</td><td>-0.824</td><td>-0.647</td><td>0.003</td><td>-0.739</td><td>-0.425</td><td>-0.347</td><td>-0.313</td><td>-0.181</td><td>0.392</td></t<>	Ì	S68	-0.746	-0.907	-0.636	-0.184	-0.824	-0.647	0.003	-0.739	-0.425	-0.347	-0.313	-0.181	0.392
\$70 -0.750 -0.923 -0.647 0.665 -0.859 -0.621 -0.445 -0.733 -0.497 -0.343 -0.320 -0.054 0.327   \$72 -0.765 -0.815 -0.642 -0.061 -0.609 -0.606 0.416 0.150 -0.223 -0.340 -0.333 -0.225 0.310   \$73 0.622 -0.859 -0.638 0.826 -0.626 -0.600 1.478 -0.430 -0.188 -0.355 -0.314 -0.167 0.377   \$74 -0.746 -0.780 -0.622 -0.142 -0.341 -0.352 -0.181 0.098   \$75 1.230 -0.834 -0.647 0.788 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.322 -0.181 0.098   \$77 1.207 -0.790 -0.649 0.736 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.334 -0.375 -0.181 0.625   \$79 1.319<	Ì	S69	-0.719	-0.875	-0.642	1.137	-0.583	-0.583	1.475	-0.041	-0.363	-0.347	-0.476	-0.038	0.575
S72 -0.765 -0.815 -0.642 -0.061 -0.609 -0.606 0.416 0.150 -0.223 -0.340 -0.333 -0.225 0.310   S73 0.622 -0.859 -0.638 0.826 -0.626 -0.600 1.478 -0.430 -0.188 -0.355 -0.314 -0.167 0.377   S74 -0.746 -0.780 -0.642 -0.844 -0.476 -0.610 0.667 0.145 -0.341 -0.336 -0.224 0.489   S76 -0.742 -0.726 -0.629 -1.104 -0.232 -0.600 0.229 0.027 -0.353 -0.334 -0.077 0.079   S77 1.207 -0.790 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.336 -0.311 0.625   S79 1.319 -0.802 -0.634 0.647 -0.545 -0.710 1.119 -0.043 -0.739 -0.422 -0.325 -0.097 0.024	Ì	S70	-0.750	-0.923	-0.647	0.665	-0.859	-0.621	-0.445	-0.733	-0.497	-0.343	-0.320	-0.054	0.327
\$73 0.622 -0.639 -0.638 0.826 -0.626 -0.600 1.478 -0.430 -0.188 -0.355 -0.314 -0.167 0.377   \$74 -0.746 -0.780 -0.642 -0.844 -0.476 -0.610 0.667 0.145 -0.142 -0.341 -0.336 -0.234 0.489   \$75 1.230 -0.834 -0.647 0.788 -0.519 -0.602 1.536 -0.081 -0.470 -0.354 -0.322 -0.181 0.098   \$76 -0.742 -0.726 -0.629 -1.104 -0.232 -0.600 0.229 0.229 0.027 -0.333 -0.335 -0.135 -0.193 0.501   \$77 1.207 -0.755 -0.605 -0.755 -0.605 -0.755 -0.607 1.475 0.024 -0.626 -0.324 -0.077 0.024   \$78 -0.755 -0.600 1.019 -0.631 -0.670 -0.043 -0.291 -0.658 -0.393 -0.377 <t< td=""><td>Ì</td><td>S72</td><td>-0.765</td><td>-0.815</td><td>-0.642</td><td>-0.061</td><td>-0.609</td><td>-0.606</td><td>0.416</td><td>0.150</td><td>-0.223</td><td>-0.340</td><td>-0.333</td><td>-0.225</td><td>0.310</td></t<>	Ì	S72	-0.765	-0.815	-0.642	-0.061	-0.609	-0.606	0.416	0.150	-0.223	-0.340	-0.333	-0.225	0.310
\$74 -0.746 -0.780 -0.642 -0.844 -0.476 -0.610 0.667 0.145 -0.142 -0.341 -0.336 -0.234 0.489   \$75 1.230 -0.834 -0.647 0.788 -0.519 -0.602 1.536 -0.081 -0.470 -0.354 -0.322 -0.181 0.098   \$76 -0.742 -0.726 -0.629 -1.104 -0.232 -0.600 0.229 0.229 0.027 -0.353 -0.335 -0.193 0.501   \$77 1.207 -0.790 -0.649 0.736 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.324 -0.077 0.029   \$78 -0.755 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.336 -0.181 0.625   \$79 1.319 -0.802 -0.634 0.647 -0.545 -0.710 1.119 -0.043 -0.327 -0.241 -0.085   \$81<	Ì	S73	0.622	-0.859	-0.638	0.826	-0.626	-0.600	1.478	-0.430	-0.188	-0.355	-0.314	-0.167	0.377
\$\S75\$ 1.230 -0.834 -0.647 0.788 -0.519 -0.602 1.536 -0.081 -0.470 -0.354 -0.322 -0.181 0.098   \$\S76\$ -0.742 -0.726 -0.629 -1.104 -0.232 -0.600 0.229 0.229 0.027 -0.353 -0.335 -0.131 0.501   \$\S77\$ 1.207 -0.790 -0.649 0.736 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.324 -0.077 0.029   \$\S78\$ -0.765 -0.505 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.325 -0.097 0.024   \$\S80\$ -0.773 -0.755 -0.600 -1.019 -0.631 -0.604 -0.211 -0.789 -0.422 -0.325 -0.097 0.024   \$\S81\$ 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.021 -0.639 -0.924 -0.838 -0.426 0	ĺ	S74	-0.746	-0.780	-0.642	-0.844	-0.476	-0.610	0.667	0.145	-0.142	-0.341	-0.336	-0.234	0.489
\$76 -0.742 -0.726 -0.629 -1.104 -0.232 -0.600 0.229 0.229 0.027 -0.353 -0.335 -0.193 0.501   \$77 1.207 -0.790 -0.649 0.736 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.324 -0.077 0.029   \$78 -0.755 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.325 -0.097 0.024   \$80 -0.773 -0.755 -0.600 -1.019 -0.631 -0.670 -0.004 -0.291 -0.658 -0.333 -0.317 -0.241 -0.085   \$81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   \$82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.694 -9.868 3.448 2.450 0.008	ĺ	S75	1.230	-0.834	-0.647	0.788	-0.519	-0.602	1.536	-0.081	-0.470	-0.354	-0.322	-0.181	0.098
\$77 1.207 -0.790 -0.649 0.736 -0.519 -0.627 1.475 0.024 -0.626 -0.387 -0.324 -0.077 0.029   \$78 -0.765 -0.755 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.336 -0.181 0.625   \$79 1.319 -0.802 -0.634 0.647 -0.545 -0.710 1.119 -0.043 -0.739 -0.422 -0.325 -0.097 0.024   \$80 -0.773 -0.755 -0.600 -1.019 -0.631 -0.670 -0.004 -0.211 -0.789 -0.422 -0.320 -0.117 -0.421   \$81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   \$82 -0.900 -0.853 -0.642 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.329 -0.046	ĺ	S76	-0.742	-0.726	-0.629	-1.104	-0.232	-0.600	0.229	0.229	0.027	-0.353	-0.335	-0.193	0.501
S78 -0.765 -0.755 -0.605 -0.759 -0.308 -0.653 -0.470 0.028 -0.061 -0.334 -0.336 -0.181 0.625   S79 1.319 -0.802 -0.634 0.647 -0.545 -0.710 1.119 -0.043 -0.739 -0.422 -0.325 -0.097 0.024   S80 -0.773 -0.755 -0.600 -1.019 -0.631 -0.670 -0.004 -0.291 -0.658 -0.393 -0.377 -0.241 -0.085   S81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   S82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.944 -0.986 3.448 2.450 0.008 -0.946   S83 3.126 -0.866 -0.641 -0.340 -0.792 -0.693 -0.700 -0.693 -0.229 3.376 2.602	ĺ	S77	1.207	-0.790	-0.649	0.736	-0.519	-0.627	1.475	0.024	-0.626	-0.387	-0.324	-0.077	0.029
\$79 1.319 -0.802 -0.634 0.647 -0.545 -0.710 1.119 -0.043 -0.739 -0.422 -0.325 -0.097 0.024   \$80 -0.773 -0.755 -0.600 -1.019 -0.631 -0.670 -0.004 -0.291 -0.658 -0.393 -0.377 -0.241 -0.085   \$81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   \$82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.694 -0.986 3.448 2.450 0.008 -0.946   \$83 3.126 -0.866 -0.651 -0.849 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.327 -0.030 0.887   \$84 -1.158 -0.642 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887	ĺ	S78	-0.765	-0.755	-0.605	-0.759	-0.308	-0.653	-0.470	0.028	-0.061	-0.334	-0.336	-0.181	0.625
S80 -0.773 -0.755 -0.600 -1.019 -0.631 -0.670 -0.004 -0.291 -0.658 -0.393 -0.377 -0.241 -0.085   S81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   S82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.694 -0.986 3.448 2.450 0.008 -0.946   S83 3.126 -0.866 -0.651 -0.849 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.329 -0.046 0.976   S84 -1.158 -0.866 -0.641 -0.792 -0.693 -0.700 -0.693 -0.929 3.376 2.602 0.033 -0.946   S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030	Ì	S79	1.319	-0.802	-0.634	0.647	-0.545	-0.710	1.119	-0.043	-0.739	-0.422	-0.325	-0.097	0.024
S81 0.329 -0.917 -0.634 -0.821 -0.749 -0.804 -0.427 -0.211 -0.789 -0.452 -0.340 -0.117 -0.421   S82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.694 -0.986 3.448 2.450 0.008 -0.946   S83 3.126 -0.866 -0.651 -0.849 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.329 -0.046 0.976   S84 -1.158 -0.866 -0.640 -0.340 -0.792 -0.693 -0.700 -0.693 -0.929 3.376 2.602 0.033 -0.946   S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887   S86 -1.070 -0.863 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.877 -0.494 -0.321	Ì	S80	-0.773	-0.755	-0.600	-1.019	-0.631	-0.670	-0.004	-0.291	-0.658	-0.393	-0.377	-0.241	-0.085
S82 -0.900 -0.853 -0.642 -0.212 -0.850 -0.712 -0.639 -0.694 -0.986 3.448 2.450 0.008 -0.946   S83 3.126 -0.866 -0.651 -0.849 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.329 -0.046 0.976   S84 -1.158 -0.866 -0.640 -0.340 -0.792 -0.693 -0.700 -0.693 -0.929 3.376 2.602 0.033 -0.946   S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887   S86 -1.070 -0.863 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.865 -0.433 -0.887 -0.494 -0.321	ĺ	S81	0.329	-0.917	-0.634	-0.821	-0.749	-0.804	-0.427	-0.211	-0.789	-0.452	-0.340	-0.117	-0.421
S83 3.126 -0.866 -0.651 -0.849 -0.579 -0.615 -1.665 -0.429 -0.838 -0.526 -0.329 -0.046 0.976   S84 -1.158 -0.866 -0.640 -0.340 -0.792 -0.693 -0.700 -0.693 -0.929 3.376 2.602 0.033 -0.946   S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887   S86 -1.070 -0.863 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847	ĺ	S82	-0.900	-0.853	-0.642	-0.212	-0.850	-0.712	-0.639	-0.694	-0.986	3.448	2.450	0.008	-0.946
S84 -1.158 -0.866 -0.640 -0.340 -0.792 -0.693 -0.700 -0.693 -0.929 3.376 2.602 0.033 -0.946   S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887   S86 -1.070 -0.863 -0.642 0.156 -0.424 -0.504 -0.689 -0.704 -0.932 3.134 2.698 5.046 -1.234   S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847 5.741 -1.356   S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318	Ì	S83	3.126	-0.866	-0.651	-0.849	-0.579	-0.615	-1.665	-0.429	-0.838	-0.526	-0.329	-0.046	0.976
S85 2.578 -0.828 -0.645 -0.736 -0.570 -0.532 -1.328 -0.436 -0.875 -0.516 -0.327 -0.030 0.887   S86 -1.070 -0.863 -0.634 -1.184 -0.779 -0.708 -0.689 -0.704 -0.932 3.134 2.698 5.046 -1.234   S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847 5.741 -1.356   S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318 0.079 0.825   S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895	Ì	S84	-1.158	-0.866	-0.640	-0.340	-0.792	-0.693	-0.700	-0.693	-0.929	3.376	2.602	0.033	-0.946
S86 -1.070 -0.863 -0.634 -1.184 -0.779 -0.708 -0.689 -0.704 -0.932 3.134 2.698 5.046 -1.234   S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847 5.741 -1.356   S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318 0.079 0.825   S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895 5.775 -1.375   S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312	Ì	S85	2.578	-0.828	-0.645	-0.736	-0.570	-0.532	-1.328	-0.436	-0.875	-0.516	-0.327	-0.030	0.887
S87 -0.981 -0.796 -0.642 0.156 -0.424 -0.504 -0.086 -0.433 -0.887 -0.494 -0.321 0.029 0.914   S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847 5.741 -1.356   S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318 0.079 0.825   S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895 5.775 -1.375   S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312 0.062 0.740   S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 <td< td=""><td>Ì</td><td>S86</td><td>-1.070</td><td>-0.863</td><td>-0.634</td><td>-1.184</td><td>-0.779</td><td>-0.708</td><td>-0.689</td><td>-0.704</td><td>-0.932</td><td>3.134</td><td>2.698</td><td>5.046</td><td>-1.234</td></td<>	Ì	S86	-1.070	-0.863	-0.634	-1.184	-0.779	-0.708	-0.689	-0.704	-0.932	3.134	2.698	5.046	-1.234
S88 -1.181 -0.866 -0.620 -0.745 -0.805 -0.598 -0.481 -0.736 -0.923 3.192 2.847 5.741 -1.356   S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318 0.079 0.825   S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895 5.775 -1.375   S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312 0.062 0.740   S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 4.690 -1.432   S93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 <td< td=""><td>Ì</td><td>S87</td><td>-0.981</td><td>-0.796</td><td>-0.642</td><td>0.156</td><td>-0.424</td><td>-0.504</td><td>-0.086</td><td>-0.433</td><td>-0.887</td><td>-0.494</td><td>-0.321</td><td>0.029</td><td>0.914</td></td<>	Ì	S87	-0.981	-0.796	-0.642	0.156	-0.424	-0.504	-0.086	-0.433	-0.887	-0.494	-0.321	0.029	0.914
S89 -1.443 -0.802 -0.638 0.293 -0.510 -0.525 -0.291 -0.353 -0.690 -0.492 -0.318 0.079 0.825   S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895 5.775 -1.375   S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312 0.062 0.740   S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 4.690 -1.432   S93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 0.049 0.341   S94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0	Ì	S88	-1.181	-0.866	-0.620	-0.745	-0.805	-0.598	-0.481	-0.736	-0.923	3.192	2.847	5.741	-1.356
S90 -1.201 -0.866 -0.620 0.062 -0.833 -0.574 0.412 -0.741 -0.972 3.244 2.895 5.775 -1.375   S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312 0.062 0.740   S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 4.690 -1.432   S93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 0.049 0.341   S94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0.027 -1.378	Ì	S89	-1.443	-0.802	-0.638	0.293	-0.510	-0.525	-0.291	-0.353	-0.690	-0.492	-0.318	0.079	0.825
S91 -0.908 -0.793 -0.620 0.208 -0.620 -0.489 -0.015 -0.606 -0.453 -0.491 -0.312 0.062 0.740   S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 4.690 -1.432   S93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 0.049 0.341   S94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0.027 -1.378	Ì	S90	-1.201	-0.866	-0.620	0.062	-0.833	-0.574	0.412	-0.741	-0.972	3.244	2.895	5.775	-1.375
S92 -0.969 -0.818 -0.618 -0.217 -0.676 -0.525 0.366 0.192 -0.585 3.318 2.756 4.690 -1.432   S93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 0.049 0.341   S94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0.027 -1.378	Ì	S91	-0.908	-0.793	-0.620	0.208	-0.620	-0.489	-0.015	-0.606	-0.453	-0.491	-0.312	0.062	0.740
\$93 0.841 -0.790 -0.611 -0.193 -0.616 -0.525 -0.004 -0.629 -0.276 -0.505 2.680 0.049 0.341   \$94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0.027 -1.378	Ì	S92	-0.969	-0.818	-0.618	-0.217	-0.676	-0.525	0.366	0.192	-0.585	3.318	2.756	4.690	-1.432
S94 -0.939 -0.707 -0.627 -1.590 -0.422 -0.502 -0.226 0.339 -0.479 3.338 2.660 0.027 -1.378	Ì	<b>S</b> 93	0.841	-0.790	-0.611	-0.193	-0.616	-0.525	-0.004	-0.629	-0.276	-0.505	2.680	0.049	0.341
	Ì	S94	-0.939	-0.707	-0.627	-1.590	-0.422	-0.502	-0.226	0.339	-0.479	3.338	2.660	0.027	-1.378

506	0.046	0.604	0.642	2 202	0.260	0.517	0.250	0.104	0.410	2 2/1	2 640	0.020	1 210
\$97	0.714	-0.094	-0.642	-2.203	-0.200	-0.517	0.301	-0.348	-0.419	-0.514	2.640	0.052	0.287
509	0.016	0.723	0.659	2 270	0.301	0.510	0.173	0.001	0.505	2 280	2.002	0.096	1 227
550	1 226	-0.723	-0.038	-2.275	-0.301	-0.336	-0.173	-0.001	-0.303	0.490	2.004	0.000	-1.227
399	1.220	-0.715	-0.007	-0.151	-0.470	-0.596	-0.555	-0.407	-0.729	-0.469	2.052	0.027	0.140
\$100	-0.754	-0.809	-0.660	-2.250	-0.908	-0.729	-0.137	-0.296	-1.120	3.111	2.291	0.055	-1.497
\$101	-0.145	-0.777	-0.609	-1.873	-0.755	-0.732	-1.949	-0.144	-1.091	-0.459	2.493	-0.098	-0.061
\$102	-0.804	1./91	1.221	0.146	0.603	1.086	0.305	0.050	0.506	-0.039	-0.333	-0.209	1.009
S103	3.368	1.769	1.210	-0.028	0.625	1.131	-0.460	0.510	0.449	-0.112	-0.473	-0.155	1.000
S104	-0.896	1.804	1.230	-0.495	0.733	1.101	0.427	0.037	0.541	-0.049	-0.324	-0.233	0.923
S105	1.908	1.810	1.206	0.656	1.213	1.099	1.259	0.627	0.442	-0.105	-0.465	-0.063	0.873
S106	-0.900	1.791	1.232	-0.627	0.750	1.160	0.330	0.028	0.548	-0.070	-0.301	-0.161	0.606
S107	-0.842	1.849	1.212	1.312	2.180	1.162	1.482	0.809	0.510	-0.084	-0.453	-0.040	0.742
S108	-0.889	1.788	1.232	0.033	0.754	1.184	0.696	6.841	0.579	-0.070	-0.308	-0.106	0.485
S109	-0.877	1.839	1.223	1.505	1.032	1.269	1.712	0.803	0.621	-0.077	-0.442	-0.017	0.642
S110	-0.761	1.801	1.232	1.284	0.703	1.203	1.676	6.439	0.547	-0.061	-0.303	-0.055	0.482
S111	-0.892	1.845	1.232	1.576	0.899	1.258	1.834	0.725	0.580	-0.062	-0.443	-0.070	0.721
S112	-0.881	1.849	1.230	0.831	1.120	1.275	1.625	0.897	0.791	-0.054	-0.316	-0.220	0.499
S113	-0.288	1.839	1.237	1.005	0.823	1.190	1.582	0.643	0.484	-0.067	-0.310	-0.097	0.132
S114	-0.881	1.902	1.228	-0.297	1.170	1.273	0.944	0.907	0.874	-0.047	-0.327	-0.223	0.506
S115	0.857	1.849	1.237	1.019	1.148	1.264	1.722	0.133	0.573	-0.072	-0.318	-0.015	0.067
S116	-0.865	1.925	1.219	-1.269	1.400	1.228	0.172	0.736	1.063	-0.056	-0.330	-0.207	0.649
S117	0.028	1.893	1.234	1.137	0.911	1.235	1.087	0.827	0.431	-0.081	-0.322	-0.002	-0.045
S118	-0.815	1.877	1.208	-1.227	1.340	1.173	0.204	0.674	0.957	-0.064	-0.333	-0.199	0.511
S120	0.756	1.690	1.186	-0.986	0.970	1.060	0.305	0.440	0.539	-0.049	-0.379	-0.061	0.494
\$121	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036	0.443	0.354	-0.135	-0.329	-0.123	0.115
\$122	-0.103	-0.647	2.317	0.189	1.605	2.164	-0.869	0.427	0.889	0.059	-0.401	-0.270	-0.421
S123	-0.241	-0.510	2.302	0.505	2.567	2,242	2.584	0.887	0.917	0.042	-0.492	-0.396	-0.679
\$124	-0.596	-0.612	2.397	-0.330	1.945	2.308	-1.910	0.436	0.243	0.082	-0.389	-0.247	-0.307
\$125	0 375	0.017	2 317	0.840	2 565	2 385	1 765	0.828	0.894	0.055	-0.493	-0.425	-0 743
\$126	-0.395	-0.621	2 470	-0.259	1 969	2 510	-2.089	0.418	1 012	0.068	-0.378	-0.232	-0.588
\$127	0.394	0.071	2.408	1 175	2 576	2 587	-0.259	0.942	0.911	0.056	-0.491	-0.337	-0.631
\$128	-0.1/15	-0.571	2.400	-0.122	1 969	2.606	-1 899	0.117	1 012	0.067	-0.375	-0.213	-0.669
\$120	0.641	0.069	2.557	1 510	2.604	2.000	1 102	0.950	1.012	0.007	0.476	0.213	0.545
\$120	0.041	-0.003	2.500	0.486	1 007	2.525	-1.102	0.555	1.177	0.000	-0.470	0.254	-0.343
5130 6121	0.333	-0.145	2.373	1 550	2.521	2.040	-0.037	0.004	1.035	0.074	-0.373	-0.200	-0.741
5151	0.710	0.014	2.599	1.552	2.551	2.012	-0.754	0.964	1.374	0.009	-0.550	-0.256	-0.522
5152	0.120	0.490	2.000	0.595	2.011	2.742	-0.976	0.944	1.1/5	0.070	-0.369	-0.294	-0.722
5133	0.479	-0.152	2.583	0.972	2.555	2.676	-0.219	0.833	1.383	0.063	-0.345	-0.323	-1.056
5134	-0.238	0.522	2.610	0.425	2.847	2.750	-1.020	0.975	1.379	0.070	-0.393	-0.305	-0.612
5135	0.286	0.068	2.523	0.8/3	2./38	2.168	0.186	0.910	1.290	0.067	-0.347	-0.312	-1.218
\$136	-0.022	0.522	2.521	-1.462	2.820	2.574	-1.292	0.934	1.302	0.061	-0.397	-0.295	-0.724
\$137	0.356	0.102	2.479	1.019	2.785	2.638	-0.707	0.943	1.084	0.064	-0.350	-0.303	-1.244
S138	0.336	-0.037	2.388	-1.529	2.539	2.419	-1.490	0.901	1.116	0.074	-0.406	-0.286	-0.688
S139	0.371	0.071	2.519	0.972	2.634	2.425	-1.185	0.915	1.056	0.031	-0.356	-0.300	-0.731
S140	-0.184	-1.431	2.346	-0.703	2.113	2.142	-1.371	0.798	0.749	0.063	-0.423	-0.290	-0.781
S141	-0.415	-0.040	2.239	-0.325	2.029	2.132	-1.217	0.884	1.023	0.028	-0.350	-0.337	-1.306
S142	0.571	-0.650	-0.620	1.340	-0.215	-0.449	-0.011	-0.700	-0.539	-0.314	-0.362	-0.620	-0.727

S144	0.140	-0.466	-0.574	0.481	-0.349	-0.447	-0.564	-0.707	-0.499	-0.319	-0.356	-0.596	-0.679
S145	0.521	0.026	-0.540	1.321	0.067	-0.513	2.325	-0.250	-0.514	-0.353	-0.494	-0.399	-0.603
S146	-0.157	-0.425	-0.447	-0.476	-0.096	-0.215	-1.371	-0.709	-0.470	-0.344	-0.346	-0.565	-0.963
S147	0.799	0.261	-0.527	2.222	0.507	-0.262	-0.025	-0.208	-0.561	-0.335	-0.498	-0.333	-0.674
S148	0.009	-0.348	-0.412	0.203	-0.092	-0.181	-1.608	-0.724	-0.442	-0.341	-0.344	-0.469	-1.089
S149	0.883	0.436	-0.401	2.307	0.448	-0.115	-0.951	-0.194	-0.381	-0.330	-0.505	-0.306	-0.753
\$150	0.514	-0.355	-0.323	1.661	-0.124	-0.077	-1.533	-0.614	-0.398	-0.332	-0.337	-0.438	-1.146
S151	0.999	0.420	-0.296	2.340	0.242	0.012	-0.894	-0.328	-0.103	-0.327	-0.471	-0.316	-0.827
S152	0.163	0.125	-0.270	1.859	0.435	0.000	-1.479	-0.152	-0.068	-0.326	-0.340	-0.522	-1.201
S153	0.853	-0.164	-0.279	1.878	0.240	0.034	0.621	-0.239	-0.383	-0.333	-0.343	-0.319	-0.967
\$154	0.140	0.709	-0.281	-0.042	0.647	0.032	-1.551	-0.149	-0.051	-0.332	-0.346	-0.537	-1.125
\$155	0.645	0.277	-0.272	1.741	0.474	-0.017	0.599	-0.168	-0.236	-0.336	-0.349	-0.267	-1.330
\$156	0.652	0.801	-0.418	-0.118	0.786	0.049	-1.210	-0.160	-0.082	-0.338	-0.354	-0.526	-1.022
\$157	0.672	0.585	-0.354	1.864	0.616	0.008	0.577	-0.146	-0.568	-0.364	-0.354	-0.274	-1.268
\$158	1.321	1.454	0.124	0.472	1.452	0.625	0.973	-0.053	0.346	0.121	0.059	-0.284	0.651
\$159	0.606	0.588	-0.401	1.803	0.629	-0.070	0.061	-0.183	-0.696	-0.390	-0.349	-0.338	-1.285
S160	0.456	0.464	-0.565	0.170	-0.047	-0.411	0.674	-0.312	-0.287	-0.358	-0.393	-0.518	-1.194
S161	0.144	0.055	-0.556	-0.830	0.380	-0.549	-0.366	-0.194	-0.728	-0.421	0.658	-0.372	-1.795
S162	1.199	-0.117	-0.527	0.831	-0.609	-0.598	-0.779	-0.709	-0.626	-0.322	-0.325	-0.234	0.837
S163	1.342	0.855	-0.531	0.330	-0.137	-0.519	-0.643	-0.402	-0.558	-0.394	-0.461	-0.147	0.811
S164	0.880	0.271	-0.518	-0.547	-0.531	-0.523	-1.335	-0.700	-0.563	-0.322	-0.328	-0.237	0.871
S165	1.180	0.836	-0.487	0.647	0.242	-0.466	2.060	-0.272	-0.540	-0.385	-0.461	-0.135	0.880
S166	0.679	0.309	-0.421	-0.217	-0.387	-0.255	-1.407	-0.709	-0.542	-0.334	-0.316	-0.131	0.699
S168	0.679	0.347	-0.385	0.326	-0.370	-0.313	-1.917	-0.709	-0.476	-0.344	-0.312	-0.063	0.473
S169	1.754	1.141	-0.256	1.887	0.304	-0.132	-0.919	-0.194	-0.209	-0.344	-0.464	-0.082	0.744
S170	0.937	0.417	-0.256	1.368	-0.241	-0.104	-1.920	-0.678	-0.443	-0.340	-0.303	-0.054	0.358
S171	1.820	1.071	-0.234	2.020	0.196	0.010	-0.743	-0.187	-0.190	-0.343	-0.452	-0.118	0.728
S172	1.373	0.985	-0.201	1.350	0.489	-0.009	-1.935	-0.365	-0.388	-0.337	-0.314	-0.177	0.370
\$173	1.758	0.883	-0.183	1.543	0.097	0.004	0.298	-0.189	-0.129	-0.346	-0.396	-0.112	0.523
\$174	1.234	-0.066	-0.188	-0.236	0.513	0.036	-1.935	-0.088	-0.102	-0.333	-0.333	-0.196	0.344
\$175	1.542	1.112	-0.228	1.444	0.110	-0.039	0.193	-0.160	-0.230	-0.346	-0.315	-0.082	0.301
S176	1.469	-0.040	-0.270	-0.613	0.625	-0.056	-1.823	-0.157	-0.338	-0.334	-0.331	-0.176	0.434
\$177	1.515	1.118	-0.330	1.505	0.194	-0.092	0.574	-0.165	-0.291	-0.363	-0.327	-0.058	0.208
\$178	1.535	-0.282	-0.423	0.137	0.534	-0.213	-1.002	-0.201	-0.305	-0.333	-0.339	-0.178	0.532
S179	1.492	1.058	-0.396	1.642	0.438	-0.251	-1.037	-0.202	-0.423	-0.382	-0.326	-0.096	0.213
S180	1.315	0.258	-0.496	1.439	0.147	-0.455	0.337	-0.221	-0.770	-0.344	-0.361	-0.210	0.573
S181	0.101	0.782	-0.485	1.491	-0.349	-0.400	-0.833	-0.209	-0.287	-0.414	-0.338	-0.143	-0.045
S182	-0.469	-0.707	-0.596	-0.656	-0.911	-0.727	-0.402	-0.741	0.071	-0.380	-0.382	-0.418	3.300
S183	-0.276	-0.488	-0.607	-0.623	-0.796	-0.721	-0.585	-0.344	-0.253	-0.418	-0.451	-0.198	0.418
S184	-0.484	-0.647	-0.571	-0.703	-0.797	-0.642	-0.417	-0.723	-0.631	-0.374	-0.375	-0.368	3.424
S185	-0.222	-0.425	-0.596	-0.269	-0.555	-0.664	-0.560	-0.242	-0.830	-0.390	-0.457	-0.168	0.458
S186	-0.488	-0.663	-0.538	-0.953	-0.792	-0.630	-0.524	-0.721	-1.255	-0.386	-0.358	-0.301	3.179
S187	-0.149	-0.301	-0.545	-0.160	-0.480	-0.600	-0.043	-0.199	0.878	-0.385	-0.448	-0.124	0.513
S188	-0.496	-0.625	-0.496	-0.882	-0.781	-0.564	-0.409	-0.743	-1.192	-0.393	-0.353	-0.179	3.062
S189	-0.083	-0.298	-0.503	0.080	-0.405	-0.538	0.104	-0.179	0.468	-0.380	-0.471	-0.081	0.313
\$100	-0.342	-0.618	-0.474	-0.401	-0.768	-0.595	-0.051	-0.745	-1.042	-0.387	-0.350	-0.244	3.098

S192	-0.330	-0.447	-0.454	-0.047	-0.573	-0.470	0.014	-0.279	-0.276	-0.372	-0.355	-0.394	3.241
S193	-0.164	-0.418	-0.452	-0.170	-0.536	-0.564	0.132	-0.283	-0.665	-0.388	-0.357	-0.103	-0.028
S194	-0.342	-0.253	-0.456	-0.226	-0.467	-0.489	-0.309	-0.130	-1.183	-0.380	-0.362	-0.379	3.226
S195	-0.168	-0.428	-0.458	-0.179	-0.532	-0.551	0.262	-0.168	-0.608	-0.390	-0.356	-0.097	-0.021
S196	-0.334	-0.139	-0.483	-0.972	-0.443	-0.523	0.007	-0.234	-1.178	-0.390	-0.366	-0.345	3.284
S197	-0.211	-0.402	-0.474	-0.113	-0.529	-0.581	0.208	-0.193	0.634	-0.391	-0.364	-0.091	-0.030
S198	-0.422	-0.244	-0.540	-1.094	-0.480	-0.630	0.089	-0.308	1.157	-0.378	-0.373	-0.350	2.993
S199	-0.214	-0.374	-0.529	-0.085	-0.484	-0.649	-0.022	-0.243	2.848	-0.403	-0.364	-0.129	-0.014
\$200	-0.446	-0.815	-0.571	-1.052	-0.657	-0.721	-0.492	-0.384	1.077	-0.391	-0.405	-0.391	3.126
\$201	-0.415	-0.498	-0.569	-0.170	-0.790	-0.691	-0.438	-0.295	1.859	-0.419	-0.367	-0.212	-0.100
\$202	-0.607	-0.885	-0.658	-0.953	-1.061	-0.829	-0.872	-0.755	1.543	-0.432	-0.421	-0.352	-0.617
\$203	-0.638	-0.726	-0.649	-0.774	-0.863	-0.783	-1.016	-0.483	-0.597	-0.474	-0.482	-0.271	-0.097
\$204	-0.700	-0.882	-0.649	-1.184	-1.081	-0.838	-0.858	-0.759	2.611	-0.433	-0.421	-0.348	-0.553
S205	-0.569	-0.796	-0.629	-0.684	-0.829	-0.819	-1.034	-0.442	-1.499	-0.465	-0.490	-0.258	-0.133
\$206	-0.723	-0.866	-0.598	-1.264	-0.788	-0.778	-0.923	-0.758	1.886	-0.444	-0.412	-0.309	-0.369
\$207	-0.484	-0.602	-0.609	-0.590	-0.745	-0.821	-0.460	-0.427	-1.321	-0.448	-0.486	-0.202	-0.159
\$208	-0.788	-0.837	-0.600	-1.165	-0.945	-0.759	-0.858	-0.742	2,116	-0.451	-0.405	-0.240	-0.269
\$209	-0.580	-0.577	-0.589	-0.505	-0 747	-0.698	-0.503	-0.412	-1 278	-0.440	-0.484	-0.237	-0.181
\$210	-0.711	-0.879	-0.576	-0.698	-0.975	-0.678	-0.510	-0.735	0.814	-0.447	-0.403	-0.234	-0.259
\$210	-0.315	-0.564	-0.565	-0.519	-0.758	-0.676	-0.010	-0.454	-1 218	-0.441	-0.495	-0.280	-0.357
\$212	0.630	0.821	0.556	0.575	0.750	0.681	-0.415	0.274	0.520	-0.441	-0.450	0.338	0.414
\$212	-0.030	0.583	0.538	0.573	0.747	0.668	0.352	0.412	1 1 25	-0.443	0.407	0.338	0.414
\$213	-0.437	-0.383	-0.556	-0.301	-0.747	-0.008	-0.552	-0.412	-1.125	-0.442	-0.400	-0.274	-0.403
5214	-0.034	-0.021	-0.543	-0.803	-0.070	-0.070	-0.014	-0.230	-0.323	-0.440	-0.410	-0.342	-0.314
5210	-0.711	-0.606	-0.571	-1.278	-0.689	-0.670	-0.858	-0.393	-0.771	-0.442	-0.413	-0.346	-0.379
5217	-0.511	-0.482	-0.551	-0.575	-0.876	-0.700	-0.330	-0.348	-1.258	-0.461	-0.408	-0.233	-0.359
5218	-0.654	-0.574	-0.580	-1.278	-0.755	-0.689	-0.919	-0.469	3.264	-0.445	-0.418	-0.335	-0.383
\$219	-0.503	-0.367	-0.571	-0.472	-0.697	-0.817	-0.488	-0.090	-1.088	-0.476	-0.410	-0.238	-0.464
\$220	0.148	-0.802	-0.658	-1.165	-0.844	-0.632	-0.5/1	-0.517	3.342	-0.438	-0.429	-0.324	-0.414
\$221	-0.515	-0.558	-0.587	-0.684	-0.820	-0.844	-0./18	-0.547	2.302	-0.472	-0.428	-0.263	-0.517
S222	-0.526	0.614	-0.556	-0.679	-0.949	-0.749	1.076	-0.720	1.996	-0.403	-0.410	-0.355	-0.998
\$223	-0.411	-0.704	-0.658	-1.043	-0.932	-0.759	-1.034	-0.429	0.353	-0.453	-0.500	-0.233	-1.215
\$224	-0.654	0.648	-0.551	-0.873	-0.893	-0.736	1.137	-0.731	2.839	-0.405	-0.389	-0.384	-0.927
\$225	-0.399	-0.644	-0.645	-0.698	-0.812	-0.644	-0.811	-0.359	-0.143	-0.419	-0.485	-0.217	-0.898
\$226	-0.654	0.668	-0.487	-0.896	-0.835	-0.666	0.947	-0.742	2.852	-0.418	-0.387	-0.310	-1.084
\$227	-0.334	-0.640	-0.583	-0.538	-0.721	-0.613	-0.732	-0.297	-1.316	-0.416	-0.499	-0.205	-0.908
S228	-0.646	0.674	-0.487	-0.717	-0.850	-0.608	0.847	-0.754	3.443	-0.423	-0.384	-0.233	-1.022
S229	-0.299	-0.659	-0.556	-0.457	-0.773	-0.578	-0.366	-0.289	-1.254	-0.418	-0.494	-0.168	-0.975
\$230	-0.480	0.668	-0.449	-0.330	-0.846	-0.581	1.328	-0.759	2.268	-0.419	-0.380	-0.202	-1.277
S231	-0.241	-0.745	-0.547	-0.462	-0.839	-0.561	-0.431	-0.396	-1.085	-0.416	-0.425	-0.162	-0.972
S232	-0.318	0.868	-0.447	-0.283	-0.603	-0.581	1.500	-0.184	0.788	-0.413	-0.379	-0.219	-1.156
\$233	-0.303	-0.821	-0.527	-0.500	-0.861	-0.559	-0.381	-0.542	-1.233	-0.417	-0.387	-0.179	-1.361
\$234	-0.476	1.052	-0.445	-0.925	-0.592	-0.547	1.432	-0.281	-1.081	-0.415	-0.382	-0.294	-1.120
S235	-0.311	-0.720	-0.536	-0.722	-0.730	-0.578	-0.252	-0.433	-1.264	-0.432	-0.389	-0.258	-1.339
S236	-0.449	1.106	-0.456	-1.151	-0.553	-0.555	1.284	-0.275	0.439	-0.420	-0.387	-0.299	-1.065
S237	-0.315	-0.621	-0.554	-0.575	-0.717	-0.587	-0.323	-0.268	-1.254	-0.440	-0.403	-0.182	-1.389
S238	-0.426	1.093	-0.509	-0.863	-0.613	-0.604	1.442	-0.407	3.667	-0.420	-0.393	-0.286	-1.025

S220	0.148	-0.802	-0.658	-1.165	-0.844	-0.632	-0.571	-0.517	3.342	-0.438	-0.429	-0.324	-0.414
S221	-0.515	-0.558	-0.587	-0.684	-0.820	-0.844	-0.718	-0.547	2.302	-0.472	-0.428	-0.263	-0.517
S222	-0.526	0.614	-0.556	-0.679	-0.949	-0.749	1.076	-0.720	1.996	-0.403	-0.410	-0.355	-0.998
S223	-0.411	-0.704	-0.658	-1.043	-0.932	-0.759	-1.034	-0.429	0.353	-0.453	-0.500	-0.233	-1.215
S224	-0.654	0.648	-0.551	-0.873	-0.893	-0.736	1.137	-0.731	2.839	-0.405	-0.389	-0.384	-0.927
\$225	-0.399	-0.644	-0.645	-0.698	-0.812	-0.644	-0.811	-0.359	-0.143	-0.419	-0.485	-0.217	-0.898
S226	-0.654	0.668	-0.487	-0.896	-0.835	-0.666	0.947	-0.742	2.852	-0.418	-0.387	-0.310	-1.084
S227	-0.334	-0.640	-0.583	-0.538	-0.721	-0.613	-0.732	-0.297	-1.316	-0.416	-0.499	-0.205	-0.908
S228	-0.646	0.674	-0.487	-0.717	-0.850	-0.608	0.847	-0.754	3.443	-0.423	-0.384	-0.233	-1.022
S229	-0.299	-0.659	-0.556	-0.457	-0.773	-0.578	-0.366	-0.289	-1.254	-0.418	-0.494	-0.168	-0.975
S230	-0.480	0.668	-0.449	-0.330	-0.846	-0.581	1.328	-0.759	2.268	-0.419	-0.380	-0.202	-1.277
S231	-0.241	-0.745	-0.547	-0.462	-0.839	-0.561	-0.431	-0.396	-1.085	-0.416	-0.425	-0.162	-0.972
S232	-0.318	0.868	-0.447	-0.283	-0.603	-0.581	1.500	-0.184	0.788	-0.413	-0.379	-0.219	-1.156
S233	-0.303	-0.821	-0.527	-0.500	-0.861	-0.559	-0.381	-0.542	-1.233	-0.417	-0.387	-0.179	-1.361
S234	-0.476	1.052	-0.445	-0.925	-0.592	-0.547	1.432	-0.281	-1.081	-0.415	-0.382	-0.294	-1.120
S235	-0.311	-0.720	-0.536	-0.722	-0.730	-0.578	-0.252	-0.433	-1.264	-0.432	-0.389	-0.258	-1.339
S236	-0.449	1.106	-0.456	-1.151	-0.553	-0.555	1.284	-0.275	0.439	-0.420	-0.387	-0.299	-1.065
S237	-0.315	-0.621	-0.554	-0.575	-0.717	-0.587	-0.323	-0.268	-1.254	-0.440	-0.403	-0.182	-1.389
S238	-0.426	1.093	-0.509	-0.863	-0.613	-0.604	1.442	-0.407	3.667	-0.420	-0.393	-0.286	-1.025
S239	-0.345	-0.625	-0.631	-0.580	-0.758	-0.655	-0.610	-0.241	-1.148	-0.443	-0.394	-0.200	-1.420
S240	-0.372	0.918	-0.569	-0.863	-0.928	-0.672	1.324	-0.441	3.474	-0.420	-0.314	-0.286	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

# **CORRELATION MATRIX**

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13
Z1	1	0.08879	0.01262	0.34101	0.11799	0.0484	-0.10006	-0.05578	-0.11617	-0.31181	-0.15789	-0.19409	0.12575
Z2	0.08879	1	0.56118	0.3264	0.56403	0.56822	0.34995	0.46086	0.38414	-0.1442	-0.2867	-0.15456	0.11959
Z3	0.01262	0.56118	1	0.23526	0.92945	0.99137	0.06365	0.54785	0.44638	-0.03327	-0.23741	-0.12778	-0.03768
Z4	0.34101	0.3264	0.23526	1	0.33845	0.28866	0.32235	0.17848	-0.02412	-0.28441	-0.34068	-0.09938	0.07609
Z5	0.11799	0.56403	0.92945	0.33845	1	0.95552	0.0402	0.49957	0.37456	-0.04995	-0.23139	-0.16321	-0.07449
Z6	0.0484	0.56822	0.99137	0.28866	0.95552	1	0.05238	0.54577	0.41997	-0.02665	-0.2261	-0.12436	-0.05383
Z7	-0.10006	0.34995	0.06365	0.32235	0.0402	0.05238	1	0.24566	0.1551	-0.05476	-0.12148	-0.00068	0.09264
Z8	-0.05578	0.46086	0.54785	0.17848	0.49957	0.54577	0.24566	1	0.21476	-0.00426	-0.12211	-0.08135	0.03188
Z9	-0.11617	0.38414	0.44638	-0.02412	0.37456	0.41997	0.1551	0.21476	1	-0.16934	-0.26851	-0.19193	-0.10201
Z10	-0.31181	-0.1442	-0.03327	-0.28441	-0.04995	-0.02665	-0.05476	-0.00426	-0.16934	1	0.7609	0.6276	-0.39101
Z11	-0.15789	-0.2867	-0.23741	-0.34068	-0.23139	-0.2261	-0.12148	-0.12211	-0.26851	0.7609	1	0.57054	-0.30364
Z12	-0.19409	-0.15456	-0.12778	-0.09938	-0.16321	-0.12436	-0.00068	-0.08135	-0.19193	0.6276	0.57054	1	-0.23424
Z13	0.12575	0.11959	-0.03768	0.07609	-0.07449	-0.05383	0.09264	0.03188	-0.10201	-0.39101	-0.30364	-0.23424	1

## MATRIX INVERSE

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.387	-0.148	0.729	-0.395	-0.461	-0.340	0.250	0.108	0.143	0.526	-0.342	0.074	-0.045
2	-0.148	1.973	0.612	-0.074	-0.500	-0.857	-0.487	-0.294	-0.363	-0.136	0.201	-0.023	-0.253
3	0.729	0.612	98.451	5.663	14.875	-112.770	-2.337	0.044	-1.236	0.789	2.346	-0.486	-0.852
4	-0.395	-0.074	5.663	2.088	0.084	-6.289	-0.715	0.061	0.363	0.352	0.562	-0.368	0.104
5	-0.461	-0.500	14.875	0.084	15.654	-29.574	-0.085	0.403	0.199	-0.078	0.127	0.772	0.451
6	-0.340	-0.857	-112.770	-6.289	-29.574	143.191	3.013	-1.224	0.448	-1.303	-2.141	-0.108	0.500
7	0.250	-0.487	-2.337	-0.715	-0.085	3.013	1.515	-0.289	-0.213	-0.129	-0.074	0.007	-0.075
8	0.108	-0.294	0.044	0.061	0.403	-1.224	-0.289	1.607	0.166	0.010	-0.086	0.100	-0.024
9	0.143	-0.363	-1.236	0.363	0.199	0.448	-0.213	0.166	1.591	0.332	0.144	0.049	0.352
10	0.526	-0.136	0.789	0.352	-0.078	-1.303	-0.129	0.010	0.332	3.431	-1.846	-0.877	0.498
11	-0.342	0.201	2.346	0.562	0.127	-2.141	-0.074	-0.086	0.144	-1.846	2.991	-0.437	0.067
12	0.074	-0.023	-0.486	-0.368	0.772	-0.108	0.007	0.100	0.049	-0.877	-0.437	1.845	0.013
13	-0.045	-0.253	-0.852	0.104	0.451	0.500	-0.075	-0.024	0.352	0.498	0.067	0.013	1.318

# MAHALANOBIS DISTANCE

SAMPLE	MD1	S23	0.143	S47	0.084	S71	0.062	S95	0.200	S119	0.324
S1	0.013	S24	0.709	S48	0.082	S72	0.062	S96	0.096	S120	0.061
<b>S</b> 2	0.813	S25	0.122	S49	0.062	S73	0.041	S97	0.054	S121	0.058
<b>S</b> 3	0.061	S26	0.103	S50	0.085	S74	0.059	S98	0.089	S122	0.001
S4	0.817	S27	0.149	S51	0.083	S75	0.161	S99	0.160	S123	0.006
<mark>.</mark> S5	0.060	S28	0.222	S52	0.009	S76	0.059	S100	0.061	S124	0.038
<u>\$6</u>	0.014	S29	0.154	S53	0.083	S77	0.155	S101	0.002	S125	0.015
<u>\$7</u>	0.059	S30	0.088	\$54	0.078	S78	0.062	S102	0.069	S126	0.017
<u>\$8</u>	0.055	S31	0.100	S55	0.080	S79	0.186	S103	1.211	S127	0.017
<u>\$9</u>	0.060	S32	0.075	S56	0.000	S80	0.064	S104	0.086	S128	0.002
S10	0.062	S33	0.094	\$57	0.071	S81	0.012	S105	0.389	S129	0.044
S11	0.062	S34	0.200	\$58	0.324	S82	0.086	S106	0.086	S130	0.012
S12	0.041	S35	0.096	\$59	0.061	S83	1.042	S107	0.076	S131	0.054
S13	0.059	\$36	0.054	\$60	0.058	S84	0.143	S108	0.084	S132	0.002
S14	0.161	S37	0.089	\$61	0.058	S85	0.709	S109	0.082	S133	0.024
\$15	0.059	S38	0.160	\$62	0.013	S86	0.122	S110	0.062	\$134	0.006
S16	0.155	S39	0.061	502	0.013	S87	0.103	S111	0.085	\$135	0.009
S17	0.062	S40	0.002	505	0.013	S88	0.149	S112	0.083	S136	0.000
\$18	0.186	S41	0.069	504	0.001	S89	0.222	S113	0.009	S137	0.014
\$19	0.064	S42	1.211	303	0.017	S90	0.154	S114	0.083	S138	0.012
\$20	0.012	S43	0.086	500	0.060	S91	0.088	S115	0.078	S139	0.015
\$21	0.086	S44	0.389	567	0.014	S92	0.100	S116	0.080	S140	0.004
522	1.042	S45	0.086	568	0.059	\$93	0.075	S117	0.000	\$141	0.018
		S46	0.076	569	0.055	S94	0.094	S118	0.071	\$142	0.035
				\$70	0.060	L				-	

S143	0.009	S167	0.178	S191	0.001	S215	0.030	S239	0.013
S144	0.002	S168	0.049	S192	0.012	S216	0.054	S240	0.015
S145	0.029	S169	0.328	S193	0.003	S217	0.028	AVERAGE	0.107
S146	0.003	S170	0.094	S194	0.012	S218	0.046		
S147	0.068	S171	0.353	S195	0.003	S219	0.027	_	
S148	0.000	S172	0.201	S196	0.012	S220	0.002	_	
S149	0.083	S173	0.330	S197	0.005	S221	0.028	_	
S150	0.028	S174	0.163	S198	0.019	S222	0.030	_	
S151	0.107	S175	0.254	S199	0.005	S223	0.018		
S152	0.003	S176	0.230	S200	0.021	S224	0.046		
S153	0.078	S177	0.245	S201	0.018	S225	0.017		
S154	0.002	S178	0.251	S202	0.039	S226	0.046	_	
S155	0.044	S179	0.238	S203	0.043	S227	0.012	-	
S156	0.045	S180	0.185	S204	0.052	S228	0.045		
S157	0.048	S181	0.001	S205	0.035	S229	0.010		
S158	0.186	S182	0.023	S206	0.056	S230	0.025		
S159	0.039	S183	0.008	S207	0.025	S231	0.006	-	
S160	0.022	S184	0.025	S208	0.066	S232	0.011	-	
S161	0.002	S185	0.005	S209	0.036	S233	0.010	-	
S162	0.153	S186	0.025	S210	0.054	\$234	0.024	-	
S163	0.192	S187	0.002	S211	0.011	S235	0.010	-	
S164	0.083	S188	0.026	S212	0.042	S236	0.022	_	
S165	0.149	S189	0.001	S213	0.022	S237	0.011	_	
S166	0.049	S190	0.012	S214	0.046	S238	0.019	_	

# 2 LEVEL ORTHOGONAL ARRAY

L16	X1	<b>X</b> 2	<b>X</b> 3	X4	<b>X</b> 5	<b>X</b> 6	<b>X</b> 7	X8	<b>X</b> 9	X10	X11	X12	<b>X</b> 13
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	2	2	2	2	2
3	1	1	1	2	2	2	2	1	1	1	1	2	2
4	1	1	1	2	2	2	2	2	2	2	2	1	1
5	1	2	2	1	1	2	2	1	1	2	2	1	1
6	1	2	2	1	1	2	2	2	2	1	1	2	2
7	1	2	2	2	2	1	1	1	1	2	2	2	2
8	1	2	2	2	2	1	1	2	2	1	1	1	1
9	2	1	2	1	2	1	2	1	2	1	2	1	2
10	2	1	2	1	2	1	2	2	1	2	1	2	1
11	2	1	2	2	1	2	1	1	2	1	2	2	1
12	2	1	2	2	1	2	1	2	1	2	1	1	2
13	2	2	1	1	2	2	1	1	2	2	1	1	2
14	2	2	1	1	2	2	1	2	1	1	2	2	1
15	2	2	1	2	1	1	2	1	2	2	1	2	1
16	2	2	1	2	1	1	2	2	1	1	2	1	2

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	use												
2	use												
3	use	use	use					use	use	use	use		
4	use	use	use									use	use
5	use			use	use			use	use			use	use
6	use			use	use					use	use		
7	use					use	use	use	use				
8	use					use	use			use	use	use	use
9		use											
10		use		use		use			use		use		use
11		use			use		use	use		use			use
12		use			use		use		use		use	use	
13			use	use			use	use			use	use	
14			use	use			use		use	use			use
15			use		use	use		use			use		use
16			use		use	use			use	use		use	

MEAN AND STANDARD DEVIATION LEVEL 2

	Z1	Z2	Z3	Z4	Z5	Z6	Z7
S1	-0.349	-0.910	-0.611	1.850	-1.044	-0.768	0.405
S2	2.760	-0.917	-0.598	0.137	-0.797	-0.791	-0.424
<b>S</b> 3	-0.758	-0.917	-0.625	-0.486	-0.857	-0.772	0.434
S4	2.767	-0.923	-0.627	0.448	-0.979	-0.604	1.101
S5	-0.750	-0.913	-0.631	-0.670	-0.818	-0.727	0.097
S6	-0.357	-0.872	-0.620	1.128	-0.413	-0.532	1.324
S7	-0.746	-0.907	-0.636	-0.184	-0.824	-0.647	0.003
S8	-0.719	-0.875	-0.642	1.137	-0.583	-0.583	1.475
S9	-0.750	-0.923	-0.647	0.665	-0.859	-0.621	-0.445
S10	-0.761	-0.879	-0.660	1.180	-0.728	-0.593	1.629
S11	-0.765	-0.815	-0.642	-0.061	-0.609	-0.606	0.416
S12	0.622	-0.859	-0.638	0.826	-0.626	-0.600	1.478
S13	-0.746	-0.780	-0.642	-0.844	-0.476	-0.610	0.667
S14	1.230	-0.834	-0.647	0.788	-0.519	-0.602	1.536
S15	-0.742	-0.726	-0.629	-1.104	-0.232	-0.600	0.229
S16	1.207	-0.790	-0.649	0.736	-0.519	-0.627	1.475
\$17	-0.765	-0.755	-0.605	-0.759	-0.308	-0.653	-0.470
S18	1.319	-0.802	-0.634	0.647	-0.545	-0.710	1.119
S19	-0.773	-0.755	-0.600	-1.019	-0.631	-0.670	-0.004
S20	0.329	-0.917	-0.634	-0.821	-0.749	-0.804	-0.427
S21	-0.900	-0.853	-0.642	-0.212	-0.850	-0.712	-0.639
\$22	3.126	-0.866	-0.651	-0.849	-0.579	-0.615	-1.665

\$23	-1.158	-0.866	-0.640	-0.340	-0.792	-0.693	-0.700
\$24	2.578	-0.828	-0.645	-0.736	-0.570	-0.532	-1.328
S25	-1.070	-0.863	-0.634	-1.184	-0.779	-0.708	-0.689
S26	-0.981	-0.796	-0.642	0.156	-0.424	-0.504	-0.086
S27	-1.181	-0.866	-0.620	-0.745	-0.805	-0.598	-0.481
S28	-1.443	-0.802	-0.638	0.293	-0.510	-0.525	-0.291
S29	-1.201	-0.866	-0.620	0.062	-0.833	-0.574	0.412
S30	-0.908	-0.793	-0.620	0.208	-0.620	-0.489	-0.015
\$31	-0.969	-0.818	-0.618	-0.217	-0.676	-0.525	0.366
S32	0.841	-0.790	-0.611	-0.193	-0.616	-0.525	-0.004
\$33	-0.939	-0.707	-0.627	-1.590	-0.422	-0.502	-0.226
\$34	1.369	-0.720	-0.605	-0.193	-0.437	-0.527	0.025
S35	-0.946	-0.694	-0.642	-2.203	-0.260	-0.517	-0.359
S36	0.714	-0.717	-0.600	-0.160	-0.424	-0.510	0.301
\$37	-0.916	-0.723	-0.658	-2.279	-0.301	-0.598	-0.173
S38	1.226	-0.713	-0.607	-0.151	-0.476	-0.598	-0.553
S39	-0.754	-0.809	-0.660	-2.250	-0.908	-0.729	-0.137
S40	-0.145	-0.777	-0.609	-1.873	-0.755	-0.732	-1.949
S41	-0.804	1.791	1.221	0.146	0.603	1.086	0.305
S42	3.368	1.769	1.210	-0.028	0.625	1.131	-0.460
S43	-0.896	1.804	1.230	-0.495	0.733	1.101	0.427
S44	1.908	1.810	1.206	0.656	1.213	1.099	1.259
S45	-0.900	1.791	1.232	-0.627	0.750	1.160	0.330
S46	-0.842	1.849	1.212	1.312	2.180	1.162	1.482
S47	-0.889	1.788	1.232	0.033	0.754	1.184	0.696
S48	-0.877	1.839	1.223	1.505	1.032	1.269	1.712
S49	-0.761	1.801	1.232	1.284	0.703	1.203	1.676
S50	-0.892	1.845	1.232	1.576	0.899	1.258	1.834
S51	-0.881	1.849	1.230	0.831	1.120	1.275	1.625
S52	-0.288	1.839	1.237	1.005	0.823	1.190	1.582
S53	-0.881	1.902	1.228	-0.297	1.170	1.273	0.944
S54	0.857	1.849	1.237	1.019	1.148	1.264	1.722
S55	-0.865	1.925	1.219	-1.269	1.400	1.228	0.172
S56	0.028	1.893	1.234	1.137	0.911	1.235	1.087
S57	-0.815	1.877	1.208	-1.227	1.340	1.173	0.204
S58	1.743	1.915	1.232	1.213	0.726	1.148	1.274
S59	0.756	1.690	1.186	-0.986	0.970	1.060	0.305
S60	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036
S61	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036
S62	-0.349	-0.910	-0.611	1.850	-1.044	-0.768	0.405
S63	2.760	-0.917	-0.598	0.137	-0.797	-0.791	-0.424
S64	-0.758	-0.917	-0.625	-0.486	-0.857	-0.772	0.434
S65	2.767	-0.923	-0.627	0.448	-0.979	-0.604	1.101
S66	-0.750	-0.913	-0.631	-0.670	-0.818	-0.727	0.097
S67	-0.357	-0.872	-0.620	1.128	-0.413	-0.532	1.324
S68	-0.746	-0.907	-0.636	-0.184	-0.824	-0.647	0.003
S69	-0.719	-0.875	-0.642	1.137	-0.583	-0.583	1.475
S70	-0.750	-0.923	-0.647	0.665	-0.859	-0.621	-0.445

S71	-0.761	-0.879	-0.660	1.180	-0.728	-0.593	1.629
S72	-0.765	-0.815	-0.642	-0.061	-0.609	-0.606	0.416
\$73	0.622	-0.859	-0.638	0.826	-0.626	-0.600	1.478
S74	-0.746	-0.780	-0.642	-0.844	-0.476	-0.610	0.667
\$75	1.230	-0.834	-0.647	0.788	-0.519	-0.602	1.536
\$76	-0.742	-0.726	-0.629	-1.104	-0.232	-0.600	0.229
\$77	1.207	-0.790	-0.649	0.736	-0.519	-0.627	1.475
S78	-0.765	-0.755	-0.605	-0.759	-0.308	-0.653	-0.470
S79	1.319	-0.802	-0.634	0.647	-0.545	-0.710	1.119
S80	-0.773	-0.755	-0.600	-1.019	-0.631	-0.670	-0.004
S81	0.329	-0.917	-0.634	-0.821	-0.749	-0.804	-0.427
S82	-0.900	-0.853	-0.642	-0.212	-0.850	-0.712	-0.639
S83	3.126	-0.866	-0.651	-0.849	-0.579	-0.615	-1.665
S84	-1.158	-0.866	-0.640	-0.340	-0.792	-0.693	-0.700
S85	2.578	-0.828	-0.645	-0.736	-0.570	-0.532	-1.328
S86	-1.070	-0.863	-0.634	-1.184	-0.779	-0.708	-0.689
S87	-0.981	-0.796	-0.642	0.156	-0.424	-0.504	-0.086
S88	-1.181	-0.866	-0.620	-0.745	-0.805	-0.598	-0.481
S89	-1.443	-0.802	-0.638	0.293	-0.510	-0.525	-0.291
S90	-1.201	-0.866	-0.620	0.062	-0.833	-0.574	0.412
S91	-0.908	-0.793	-0.620	0.208	-0.620	-0.489	-0.015
S92	-0.969	-0.818	-0.618	-0.217	-0.676	-0.525	0.366
S93	0.841	-0.790	-0.611	-0.193	-0.616	-0.525	-0.004
S94	-0.939	-0.707	-0.627	-1.590	-0.422	-0.502	-0.226
S95	1.369	-0.720	-0.605	-0.193	-0.437	-0.527	0.025
S96	-0.946	-0.694	-0.642	-2.203	-0.260	-0.517	-0.359
\$97	0.714	-0.717	-0.600	-0.160	-0.424	-0.510	0.301
S98	-0.916	-0.723	-0.658	-2.279	-0.301	-0.598	-0.173
S99	1.226	-0.713	-0.607	-0.151	-0.476	-0.598	-0.553
S100	-0.754	-0.809	-0.660	-2.250	-0.908	-0.729	-0.137
S101	-0.145	-0.777	-0.609	-1.873	-0.755	-0.732	-1.949
S102	-0.804	1.791	1.221	0.146	0.603	1.086	0.305
S103	3.368	1.769	1.210	-0.028	0.625	1.131	-0.460
S104	-0.896	1.804	1.230	-0.495	0.733	1.101	0.427
S105	1.908	1.810	1.206	0.656	1.213	1.099	1.259
S106	-0.900	1.791	1.232	-0.627	0.750	1.160	0.330
S107	-0.842	1.849	1.212	1.312	2.180	1.162	1.482
S108	-0.889	1.788	1.232	0.033	0.754	1.184	0.696
S109	-0.877	1.839	1.223	1.505	1.032	1.269	1.712
S110	-0.761	1.801	1.232	1.284	0.703	1.203	1.676
S111	-0.892	1.845	1.232	1.576	0.899	1.258	1.834
S112	-0.881	1.849	1.230	0.831	1.120	1.275	1.625
S113	-0.288	1.839	1.237	1.005	0.823	1.190	1.582
S114	-0.881	1.902	1.228	-0.297	1.170	1.273	0.944
S115	0.857	1.849	1.237	1.019	1.148	1.264	1.722
S116	-0.865	1.925	1.219	-1.269	1.400	1.228	0.172
S117	0.028	1.893	1.234	1.137	0.911	1.235	1.087
S118	-0.815	1.877	1.208	-1.227	1.340	1.173	0.204

S119	1.743	1.915	1.232	1.213	0.726	1.148	1.274
S120	0.756	1.690	1.186	-0.986	0.970	1.060	0.305
S121	-0.738	1.883	1.212	0.599	0.896	1.050	-0.036
S122	-0.103	-0.647	2.317	0.189	1.605	2.164	-0.869
S123	-0.241	-0.510	2.302	0.505	2.567	2.242	2.584
S124	-0.596	-0.612	2.397	-0.330	1.945	2.308	-1.910
S125	0.375	0.017	2.317	0.840	2.565	2.385	1.765
S126	-0.395	-0.621	2.470	-0.259	1.969	2.510	-2.089
S127	0.394	0.071	2.408	1.175	2.576	2.587	-0.259
S128	-0.145	-0.571	2.537	-0.122	1.969	2.606	-1.899
S129	0.641	-0.069	2.508	1.519	2.604	2.523	-1.102
S130	0.333	-0.145	2.579	0.486	1.997	2.646	-0.697
\$131	0.710	0.014	2.599	1.552	2.531	2.612	-0.754
S132	0.128	0.496	2.608	0.595	2.611	2.742	-0.976
S133	0.479	-0.152	2.583	0.972	2.553	2.676	-0.219
S134	-0.238	0.522	2.610	0.425	2.847	2.750	-1.020
\$135	0.286	0.068	2.523	0.873	2.738	2.168	0.186
S136	-0.022	0.522	2.521	-1.462	2.820	2.574	-1.292
S137	0.356	0.102	2.479	1.019	2.785	2.638	-0.707
S138	0.336	-0.037	2.388	-1.529	2.539	2.419	-1.490
S139	0.371	0.071	2.519	0.972	2.634	2.425	-1.185
S140	-0.184	-1.431	2.346	-0.703	2.113	2.142	-1.371
S141	-0.415	-0.040	2.239	-0.325	2.029	2.132	-1.217
S142	0.571	-0.650	-0.620	1.340	-0.215	-0.449	-0.011
S143	0.283	-0.107	-0.645	1.552	-0.097	-0.574	3.075
S144	0.140	-0.466	-0.574	0.481	-0.349	-0.447	-0.564
S145	0.521	0.026	-0.540	1.321	0.067	-0.513	2.325
S146	-0.157	-0.425	-0.447	-0.476	-0.096	-0.215	-1.371
S147	0.799	0.261	-0.527	2.222	0.507	-0.262	-0.025
S148	0.009	-0.348	-0.412	0.203	-0.092	-0.181	-1.608
S149	0.883	0.436	-0.401	2.307	0.448	-0.115	-0.951
S150	0.514	-0.355	-0.323	1.661	-0.124	-0.077	-1.533
\$151	0.999	0.420	-0.296	2.340	0.242	0.012	-0.894
S152	0.163	0.125	-0.270	1.859	0.435	0.000	-1.479
\$153	0.853	-0.164	-0.279	1.878	0.240	0.034	0.621
S154	0.140	0.709	-0.281	-0.042	0.647	0.032	-1.551
S155	0.645	0.277	-0.272	1.741	0.474	-0.017	0.599
S156	0.652	0.801	-0.418	-0.118	0.786	0.049	-1.210
S157	0.672	0.585	-0.354	1.864	0.616	0.008	0.577
S158	1.321	1.454	0.124	0.472	1.452	0.625	0.973
S159	0.606	0.588	-0.401	1.803	0.629	-0.070	0.061
S160	0.456	0.464	-0.565	0.170	-0.047	-0.411	0.674
S161	0.144	0.055	-0.556	-0.830	0.380	-0.549	-0.366
S162	1.199	-0.117	-0.527	0.831	-0.609	-0.598	-0.779
S163	1.342	0.855	-0.531	0.330	-0.137	-0.519	-0.643
S164	0.880	0.271	-0.518	-0.547	-0.531	-0.523	-1.335
S165	1.180	0.836	-0.487	0.647	0.242	-0.466	2.060
S166	0.679	0.309	-0.421	-0.217	-0.387	-0.255	-1.407

S167	1.292	1.023	-0.398	1.435	0.444	-0.330	-0.600
S168	0.679	0.347	-0.385	0.326	-0.370	-0.313	-1.917
S169	1.754	1.141	-0.256	1.887	0.304	-0.132	-0.919
S170	0.937	0.417	-0.256	1.368	-0.241	-0.104	-1.920
S171	1.820	1.071	-0.234	2.020	0.196	0.010	-0.743
S172	1.373	0.985	-0.201	1.350	0.489	-0.009	-1.935
S173	1.758	0.883	-0.183	1.543	0.097	0.004	0.298
S174	1.234	-0.066	-0.188	-0.236	0.513	0.036	-1.935
S175	1.542	1.112	-0.228	1.444	0.110	-0.039	0.193
S176	1.469	-0.040	-0.270	-0.613	0.625	-0.056	-1.823
S177	1.515	1.118	-0.330	1.505	0.194	-0.092	0.574
S178	1.535	-0.282	-0.423	0.137	0.534	-0.213	-1.002
S179	1.492	1.058	-0.396	1.642	0.438	-0.251	-1.037
S180	1.315	0.258	-0.496	1.439	0.147	-0.455	0.337
S181	0.101	0.782	-0.485	1.491	-0.349	-0.400	-0.833
S182	-0.469	-0.707	-0.596	-0.656	-0.911	-0.727	-0.402
S183	-0.276	-0.488	-0.607	-0.623	-0.796	-0.721	-0.585
S184	-0.484	-0.647	-0.571	-0.703	-0.797	-0.642	-0.417
S185	-0.222	-0.425	-0.596	-0.269	-0.555	-0.664	-0.560
S186	-0.488	-0.663	-0.538	-0.953	-0.792	-0.630	-0.524
S187	-0.149	-0.301	-0.545	-0.160	-0.480	-0.600	-0.043
S188	-0.496	-0.625	-0.496	-0.882	-0.781	-0.564	-0.409
S189	-0.083	-0.298	-0.503	0.080	-0.405	-0.538	0.104
S190	-0.342	-0.618	-0.474	-0.401	-0.768	-0.595	-0.051
S191	-0.083	-0.418	-0.478	0.066	-0.620	-0.493	0.373
S192	-0.330	-0.447	-0.454	-0.047	-0.573	-0.470	0.014
S193	-0.164	-0.418	-0.452	-0.170	-0.536	-0.564	0.132
S194	-0.342	-0.253	-0.456	-0.226	-0.467	-0.489	-0.309
S195	-0.168	-0.428	-0.458	-0.179	-0.532	-0.551	0.262
S196	-0.334	-0.139	-0.483	-0.972	-0.443	-0.523	0.007
S197	-0.211	-0.402	-0.474	-0.113	-0.529	-0.581	0.208
S198	-0.422	-0.244	-0.540	-1.094	-0.480	-0.630	0.089
S199	-0.214	-0.374	-0.529	-0.085	-0.484	-0.649	-0.022
S200	-0.446	-0.815	-0.571	-1.052	-0.657	-0.721	-0.492
S201	-0.415	-0.498	-0.569	-0.170	-0.790	-0.691	-0.438
\$202	-0.607	-0.885	-0.658	-0.953	-1.061	-0.829	-0.872
S203	-0.638	-0.726	-0.649	-0.774	-0.863	-0.783	-1.016
S204	-0.700	-0.882	-0.649	-1.184	-1.081	-0.838	-0.858
\$205	-0.569	-0.796	-0.629	-0.684	-0.829	-0.819	-1.034
\$206	-0.723	-0.866	-0.598	-1.264	-0.788	-0.778	-0.923
S207	-0.484	-0.602	-0.609	-0.590	-0.745	-0.821	-0.460
S208	-0.788	-0.837	-0.600	-1.165	-0.945	-0.759	-0.858
S209	-0.580	-0.577	-0.589	-0.505	-0.747	-0.698	-0.503
\$210	-0.711	-0.879	-0.576	-0.698	-0.975	-0.678	-0.510
S211	-0.315	-0.564	-0.565	-0.519	-0.758	-0.676	-0.413
\$212	-0.630	-0.821	-0.556	-0.575	-0.898	-0.681	-0.456
S213	-0.457	-0.583	-0.538	-0.561	-0.747	-0.668	-0.352
S214	-0.654	-0.621	-0.549	-0.863	-0.676	-0.670	-0.614

S215	-0.530	-0.529	-0.536	-0.623	-0.906	-0.664	-0.359
S216	-0.711	-0.606	-0.571	-1.278	-0.689	-0.670	-0.858
S217	-0.511	-0.482	-0.551	-0.575	-0.876	-0.700	-0.330
S218	-0.654	-0.574	-0.580	-1.278	-0.755	-0.689	-0.919
S219	-0.503	-0.367	-0.571	-0.472	-0.697	-0.817	-0.488
S220	0.148	-0.802	-0.658	-1.165	-0.844	-0.632	-0.571
S221	-0.515	-0.558	-0.587	-0.684	-0.820	-0.844	-0.718
S222	-0.526	0.614	-0.556	-0.679	-0.949	-0.749	1.076
S223	-0.411	-0.704	-0.658	-1.043	-0.932	-0.759	-1.034
\$224	-0.654	0.648	-0.551	-0.873	-0.893	-0.736	1.137
S225	-0.399	-0.644	-0.645	-0.698	-0.812	-0.644	-0.811
\$226	-0.654	0.668	-0.487	-0.896	-0.835	-0.666	0.947
S227	-0.334	-0.640	-0.583	-0.538	-0.721	-0.613	-0.732
S228	-0.646	0.674	-0.487	-0.717	-0.850	-0.608	0.847
S229	-0.299	-0.659	-0.556	-0.457	-0.773	-0.578	-0.366
\$230	-0.480	0.668	-0.449	-0.330	-0.846	-0.581	1.328
\$231	-0.241	-0.745	-0.547	-0.462	-0.839	-0.561	-0.431
\$232	-0.318	0.868	-0.447	-0.283	-0.603	-0.581	1.500
\$233	-0.303	-0.821	-0.527	-0.500	-0.861	-0.559	-0.381
\$234	-0.476	1.052	-0.445	-0.925	-0.592	-0.547	1.432
\$235	-0.311	-0.720	-0.536	-0.722	-0.730	-0.578	-0.252
\$236	-0.449	1.106	-0.456	-1.151	-0.553	-0.555	1.284
\$237	-0.315	-0.621	-0.554	-0.575	-0.717	-0.587	-0.323
\$238	-0.426	1.093	-0.509	-0.863	-0.613	-0.604	1.442
\$239	-0.345	-0.625	-0.631	-0.580	-0.758	-0.655	-0.610
\$240	-0.372	0.918	-0.569	-0.863	-0.928	-0.672	1.324
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0	1.0

## MEAN AND STANDARD DEVIATION LEVEL 3

	Z1	Z2	Z3	Z8	Z9	Z10	Z11
S1	-0.349	-0.910	-0.611	-0.727	-0.504	-0.310	-0.347
S2	2.760	-0.917	-0.598	0.021	-0.777	-0.393	-0.465
<b>S</b> 3	-0.758	-0.917	-0.625	-0.716	-0.513	-0.326	-0.331
<b>S</b> 4	2.767	-0.923	-0.627	-0.017	-0.808	-0.367	-0.466
<b>S</b> 5	-0.750	-0.913	-0.631	-0.730	-0.489	-0.354	-0.301
<b>S6</b>	-0.357	-0.872	-0.620	0.094	-0.678	-0.348	-0.476
<b>S7</b>	-0.746	-0.907	-0.636	-0.739	-0.425	-0.347	-0.313
<u>S8</u>	-0.719	-0.875	-0.642	-0.041	-0.363	-0.347	-0.476
<u>\$9</u>	-0.750	-0.923	-0.647	-0.733	-0.497	-0.343	-0.320
S10	-0.761	-0.879	-0.660	-0.340	-0.236	-0.346	-0.470
S11	-0.765	-0.815	-0.642	0.150	-0.223	-0.340	-0.333
S12	0.622	-0.859	-0.638	-0.430	-0.188	-0.355	-0.314
S13	-0.746	-0.780	-0.642	0.145	-0.142	-0.341	-0.336
S14	1.230	-0.834	-0.647	-0.081	-0.470	-0.354	-0.322
S15	-0.742	-0.726	-0.629	0.229	0.027	-0.353	-0.335
S16	1.207	-0.790	-0.649	0.024	-0.626	-0.387	-0.324
S17	-0.765	-0.755	-0.605	0.028	-0.061	-0.334	-0.336
S18	1.319	-0.802	-0.634	-0.043	-0.739	-0.422	-0.325
S19	-0.773	-0.755	-0.600	-0.291	-0.658	-0.393	-0.377
S20	0.329	-0.917	-0.634	-0.211	-0.789	-0.452	-0.340
S21	-0.900	-0.853	-0.642	-0.694	-0.986	3.448	2.450
S22	3.126	-0.866	-0.651	-0.429	-0.838	-0.526	-0.329

\$23	-1.158	-0.866	-0.640	-0.693	-0.929	3.376	2.602
\$24	2.578	-0.828	-0.645	-0.436	-0.875	-0.516	-0.327
\$25	-1.070	-0.863	-0.634	-0.704	-0.932	3.134	2.698
\$26	-0.981	-0.796	-0.642	-0.433	-0.887	-0.494	-0.321
\$27	-1.181	-0.866	-0.620	-0.736	-0.923	3.192	2.847
S28	-1.443	-0.802	-0.638	-0.353	-0.690	-0.492	-0.318
S29	-1.201	-0.866	-0.620	-0.741	-0.972	3.244	2.895
S30	-0.908	-0.793	-0.620	-0.606	-0.453	-0.491	-0.312
S31	-0.969	-0.818	-0.618	0.192	-0.585	3.318	2.756
S32	0.841	-0.790	-0.611	-0.629	-0.276	-0.505	2.680
\$33	-0.939	-0.707	-0.627	0.339	-0.479	3.338	2.660
\$34	1.369	-0.720	-0.605	-0.261	-0.279	-0.498	2.564
\$35	-0.946	-0.694	-0.642	0.104	-0.419	3.241	2.640
S36	0.714	-0.717	-0.600	-0.348	-0.380	-0.514	2.662
S37	-0.916	-0.723	-0.658	-0.001	-0.505	3.289	2.604
S38	1.226	-0.713	-0.607	-0.407	-0.729	-0.489	2.652
S39	-0.754	-0.809	-0.660	-0.296	-1.120	3.111	2.291
S40	-0.145	-0.777	-0.609	-0.144	-1.091	-0.459	2.493
S41	-0.804	1.791	1.221	0.050	0.506	-0.039	-0.333
S42	3.368	1.769	1.210	0.510	0.449	-0.112	-0.473
\$43	-0.896	1.804	1.230	0.037	0.541	-0.049	-0.324
S44	1.908	1.810	1.206	0.627	0.442	-0.105	-0.465
S45	-0.900	1.791	1.232	0.028	0.548	-0.070	-0.301
S46	-0.842	1.849	1.212	0.809	0.510	-0.084	-0.453
S47	-0.889	1.788	1.232	6.841	0.579	-0.070	-0.308
S48	-0.877	1.839	1.223	0.803	0.621	-0.077	-0.442
S49	-0.761	1.801	1.232	6.439	0.547	-0.061	-0.303
S50	-0.892	1.845	1.232	0.725	0.580	-0.062	-0.443
S51	-0.881	1.849	1.230	0.897	0.791	-0.054	-0.316
S52	-0.288	1.839	1.237	0.643	0.484	-0.067	-0.310
S53	-0.881	1.902	1.228	0.907	0.874	-0.047	-0.327
S54	0.857	1.849	1.237	0.133	0.573	-0.072	-0.318
S55	-0.865	1.925	1.219	0.736	1.063	-0.056	-0.330
S56	0.028	1.893	1.234	0.827	0.431	-0.081	-0.322
S57	-0.815	1.877	1.208	0.674	0.957	-0.064	-0.333
S58	1.743	1.915	1.232	0.661	0.284	-0.130	-0.323
S59	0.756	1.690	1.186	0.440	0.539	-0.049	-0.379
S60	-0.738	1.883	1.212	0.443	0.354	-0.135	-0.329
S61	-0.738	1.883	1.212	0.443	0.354	-0.135	-0.329
S62	-0.349	-0.910	-0.611	-0.727	-0.504	-0.310	-0.347
S63	2.760	-0.917	-0.598	0.021	-0.777	-0.393	-0.465
S64	-0.758	-0.917	-0.625	-0.716	-0.513	-0.326	-0.331
\$65	2.767	-0.923	-0.627	-0.017	-0.808	-0.367	-0.466
\$66	-0.750	-0.913	-0.631	-0.730	-0.489	-0.354	-0.301
S67	-0.357	-0.872	-0.620	0.094	-0.678	-0.348	-0.476
S68	-0.746	-0.907	-0.636	-0.739	-0.425	-0.347	-0.313
S69	-0.719	-0.875	-0.642	-0.041	-0.363	-0.347	-0.476
S70	-0.750	-0.923	-0.647	-0.733	-0.497	-0.343	-0.320
S71	-0.761	-0.879	-0.660	-0.340	-0.236	-0.346	-0.470
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S72	-0.765	-0.815	-0.642	0.150	-0.223	-0.340	-0.333
\$73	0.622	-0.859	-0.638	-0.430	-0.188	-0.355	-0.314
\$74	-0.746	-0.780	-0.642	0.145	-0.142	-0.341	-0.336
\$75	1.230	-0.834	-0.647	-0.081	-0.470	-0.354	-0.322
\$76	-0.742	-0.726	-0.629	0.229	0.027	-0.353	-0.335
S77	1.207	-0.790	-0.649	0.024	-0.626	-0.387	-0.324
\$78	-0.765	-0.755	-0.605	0.028	-0.061	-0.334	-0.336
S79	1.319	-0.802	-0.634	-0.043	-0.739	-0.422	-0.325
S80	-0.773	-0.755	-0.600	-0.291	-0.658	-0.393	-0.377
S81	0.329	-0.917	-0.634	-0.211	-0.789	-0.452	-0.340
S82	-0.900	-0.853	-0.642	-0.694	-0.986	3.448	2.450
S83	3.126	-0.866	-0.651	-0.429	-0.838	-0.526	-0.329
S84	-1.158	-0.866	-0.640	-0.693	-0.929	3.376	2.602
S85	2.578	-0.828	-0.645	-0.436	-0.875	-0.516	-0.327
S86	-1.070	-0.863	-0.634	-0.704	-0.932	3.134	2.698
S87	-0.981	-0.796	-0.642	-0.433	-0.887	-0.494	-0.321
S88	-1.181	-0.866	-0.620	-0.736	-0.923	3.192	2.847
S89	-1.443	-0.802	-0.638	-0.353	-0.690	-0.492	-0.318
<b>S90</b>	-1.201	-0.866	-0.620	-0.741	-0.972	3.244	2.895
S91	-0.908	-0.793	-0.620	-0.606	-0.453	-0.491	-0.312
S92	-0.969	-0.818	-0.618	0.192	-0.585	3.318	2.756
S93	0.841	-0.790	-0.611	-0.629	-0.276	-0.505	2.680
S94	-0.939	-0.707	-0.627	0.339	-0.479	3.338	2.660
S95	1.369	-0.720	-0.605	-0.261	-0.279	-0.498	2.564
S96	-0.946	-0.694	-0.642	0.104	-0.419	3.241	2.640
S97	0.714	-0.717	-0.600	-0.348	-0.380	-0.514	2.662
S98	-0.916	-0.723	-0.658	-0.001	-0.505	3.289	2.604
S99	1.226	-0.713	-0.607	-0.407	-0.729	-0.489	2.652
S100	-0.754	-0.809	-0.660	-0.296	-1.120	3.111	2.291
S101	-0.145	-0.777	-0.609	-0.144	-1.091	-0.459	2.493
S102	-0.804	1.791	1.221	0.050	0.506	-0.039	-0.333
S103	3.368	1.769	1.210	0.510	0.449	-0.112	-0.473
S104	-0.896	1.804	1.230	0.037	0.541	-0.049	-0.324
S105	1.908	1.810	1.206	0.627	0.442	-0.105	-0.465
S106	-0.900	1.791	1.232	0.028	0.548	-0.070	-0.301
S107	-0.842	1.849	1.212	0.809	0.510	-0.084	-0.453
S108	-0.889	1.788	1.232	6.841	0.579	-0.070	-0.308
S109	-0.877	1.839	1.223	0.803	0.621	-0.077	-0.442
S110	-0.761	1.801	1.232	6.439	0.547	-0.061	-0.303
S111	-0.892	1.845	1.232	0.725	0.580	-0.062	-0.443
S112	-0.881	1.849	1.230	0.897	0.791	-0.054	-0.316
S113	-0.288	1.839	1.237	0.643	0.484	-0.067	-0.310
S114	-0.881	1.902	1.228	0.907	0.874	-0.047	-0.327
S115	0.857	1.849	1.237	0.133	0.573	-0.072	-0.318
S116	-0.865	1.925	1.219	0.736	1.063	-0.056	-0.330
S117	0.028	1.893	1.234	0.827	0.431	-0.081	-0.322
S118	-0.815	1.877	1.208	0.674	0.957	-0.064	-0.333

S119	1.743	1.915	1.232	0.661	0.284	-0.130	-0.323
S120	0.756	1.690	1.186	0.440	0.539	-0.049	-0.379
S121	-0.738	1.883	1.212	0.443	0.354	-0.135	-0.329
S122	-0.103	-0.647	2.317	0.427	0.889	0.059	-0.401
\$123	-0.241	-0.510	2.302	0.887	0.917	0.042	-0.492
S124	-0.596	-0.612	2.397	0.436	0.243	0.082	-0.389
\$125	0.375	0.017	2.317	0.828	0.894	0.055	-0.493
\$126	-0.395	-0.621	2.470	0.418	1.012	0.068	-0.378
\$127	0.394	0.071	2.408	0.942	0.911	0.056	-0.491
S128	-0.145	-0.571	2.537	0.417	1.012	0.067	-0.375
S129	0.641	-0.069	2.508	0.959	1.177	0.066	-0.476
S130	0.333	-0.145	2.579	0.564	1.033	0.074	-0.375
S131	0.710	0.014	2.599	0.964	1.374	0.069	-0.336
S132	0.128	0.496	2.608	0.944	1.175	0.076	-0.389
S133	0.479	-0.152	2.583	0.833	1.383	0.063	-0.345
S134	-0.238	0.522	2.610	0.975	1.379	0.070	-0.393
S135	0.286	0.068	2.523	0.910	1.290	0.067	-0.347
S136	-0.022	0.522	2.521	0.934	1.302	0.061	-0.397
S137	0.356	0.102	2.479	0.943	1.084	0.064	-0.350
S138	0.336	-0.037	2.388	0.901	1.116	0.074	-0.406
S139	0.371	0.071	2.519	0.915	1.056	0.031	-0.356
S140	-0.184	-1.431	2.346	0.798	0.749	0.063	-0.423
S141	-0.415	-0.040	2.239	0.884	1.023	0.028	-0.350
S142	0.571	-0.650	-0.620	-0.700	-0.539	-0.314	-0.362
S143	0.283	-0.107	-0.645	-0.269	-0.493	-0.367	-0.476
S144	0.140	-0.466	-0.574	-0.707	-0.499	-0.319	-0.356
S145	0.521	0.026	-0.540	-0.250	-0.514	-0.353	-0.494
S146	-0.157	-0.425	-0.447	-0.709	-0.470	-0.344	-0.346
S147	0.799	0.261	-0.527	-0.208	-0.561	-0.335	-0.498
S148	0.009	-0.348	-0.412	-0.724	-0.442	-0.341	-0.344
S149	0.883	0.436	-0.401	-0.194	-0.381	-0.330	-0.505
S150	0.514	-0.355	-0.323	-0.614	-0.398	-0.332	-0.337
S151	0.999	0.420	-0.296	-0.328	-0.103	-0.327	-0.471
S152	0.163	0.125	-0.270	-0.152	-0.068	-0.326	-0.340
S153	0.853	-0.164	-0.279	-0.239	-0.383	-0.333	-0.343
S154	0.140	0.709	-0.281	-0.149	-0.051	-0.332	-0.346
\$155	0.645	0.277	-0.272	-0.168	-0.236	-0.336	-0.349
S156	0.652	0.801	-0.418	-0.160	-0.082	-0.338	-0.354
S157	0.672	0.585	-0.354	-0.146	-0.568	-0.364	-0.354
\$158	1.321	1.454	0.124	-0.053	0.346	0.121	0.059
S159	0.606	0.588	-0.401	-0.183	-0.696	-0.390	-0.349
S160	0.456	0.464	-0.565	-0.312	-0.287	-0.358	-0.393
S161	0.144	0.055	-0.556	-0.194	-0.728	-0.421	0.658
S162	1.199	-0.117	-0.527	-0.709	-0.626	-0.322	-0.325
S163	1.342	0.855	-0.531	-0.402	-0.558	-0.394	-0.461
S164	0.880	0.271	-0.518	-0.700	-0.563	-0.322	-0.328
S165	1.180	0.836	-0.487	-0.272	-0.540	-0.385	-0.461
S166	0.679	0.309	-0.421	-0.709	-0.542	-0.334	-0.316

S167	1.292	1.023	-0.398	-0.196	-0.488	-0.360	-0.461
S168	0.679	0.347	-0.385	-0.709	-0.476	-0.344	-0.312
S169	1.754	1.141	-0.256	-0.194	-0.209	-0.344	-0.464
S170	0.937	0.417	-0.256	-0.678	-0.443	-0.340	-0.303
S171	1.820	1.071	-0.234	-0.187	-0.190	-0.343	-0.452
S172	1.373	0.985	-0.201	-0.365	-0.388	-0.337	-0.314
S173	1.758	0.883	-0.183	-0.189	-0.129	-0.346	-0.396
S174	1.234	-0.066	-0.188	-0.088	-0.102	-0.333	-0.333
S175	1.542	1.112	-0.228	-0.160	-0.230	-0.346	-0.315
S176	1.469	-0.040	-0.270	-0.157	-0.338	-0.334	-0.331
S177	1.515	1.118	-0.330	-0.165	-0.291	-0.363	-0.327
S178	1.535	-0.282	-0.423	-0.201	-0.305	-0.333	-0.339
S179	1.492	1.058	-0.396	-0.202	-0.423	-0.382	-0.326
S180	1.315	0.258	-0.496	-0.221	-0.770	-0.344	-0.361
S181	0.101	0.782	-0.485	-0.209	-0.287	-0.414	-0.338
S182	-0.469	-0.707	-0.596	-0.741	0.071	-0.380	-0.382
S183	-0.276	-0.488	-0.607	-0.344	-0.253	-0.418	-0.451
S184	-0.484	-0.647	-0.571	-0.723	-0.631	-0.374	-0.375
S185	-0.222	-0.425	-0.596	-0.242	-0.830	-0.390	-0.457
S186	-0.488	-0.663	-0.538	-0.721	-1.255	-0.386	-0.358
S187	-0.149	-0.301	-0.545	-0.199	0.878	-0.385	-0.448
S188	-0.496	-0.625	-0.496	-0.743	-1.192	-0.393	-0.353
S189	-0.083	-0.298	-0.503	-0.179	0.468	-0.380	-0.471
S190	-0.342	-0.618	-0.474	-0.745	-1.042	-0.387	-0.350
S191	-0.083	-0.418	-0.478	-0.275	-0.013	-0.381	-0.475
S192	-0.330	-0.447	-0.454	-0.279	-0.276	-0.372	-0.355
S193	-0.164	-0.418	-0.452	-0.283	-0.665	-0.388	-0.357
S194	-0.342	-0.253	-0.456	-0.130	-1.183	-0.380	-0.362
S195	-0.168	-0.428	-0.458	-0.168	-0.608	-0.390	-0.356
S196	-0.334	-0.139	-0.483	-0.234	-1.178	-0.390	-0.366
S197	-0.211	-0.402	-0.474	-0.193	0.634	-0.391	-0.364
S198	-0.422	-0.244	-0.540	-0.308	1.157	-0.378	-0.373
S199	-0.214	-0.374	-0.529	-0.243	2.848	-0.403	-0.364
S200	-0.446	-0.815	-0.571	-0.384	1.077	-0.391	-0.405
S201	-0.415	-0.498	-0.569	-0.295	1.859	-0.419	-0.367
\$202	-0.607	-0.885	-0.658	-0.755	1.543	-0.432	-0.421
\$203	-0.638	-0.726	-0.649	-0.483	-0.597	-0.474	-0.482
\$204	-0.700	-0.882	-0.649	-0.759	2.611	-0.433	-0.421
\$205	-0.569	-0.796	-0.629	-0.442	-1.499	-0.465	-0.490
\$206	-0.723	-0.866	-0.598	-0.758	1.886	-0.444	-0.412
S207	-0.484	-0.602	-0.609	-0.427	-1.321	-0.448	-0.486
S208	-0.788	-0.837	-0.600	-0.742	2.116	-0.451	-0.405
S209	-0.580	-0.577	-0.589	-0.412	-1.278	-0.440	-0.484
\$210	-0.711	-0.879	-0.576	-0.735	0.814	-0.447	-0.403
S211	-0.315	-0.564	-0.565	-0.454	-1.218	-0.441	-0.496
\$212	-0.630	-0.821	-0.556	-0.274	0.520	-0.445	-0.407
S213	-0.457	-0.583	-0.538	-0.412	-1.125	-0.442	-0.406
S214	-0.654	-0.621	-0.549	-0.296	-0.929	-0.440	-0.410

S215	-0.530	-0.529	-0.536	-0.307	-1.230	-0.442	-0.407
S216	-0.711	-0.606	-0.571	-0.393	-0.771	-0.442	-0.413
S217	-0.511	-0.482	-0.551	-0.348	-1.258	-0.461	-0.408
S218	-0.654	-0.574	-0.580	-0.469	3.264	-0.445	-0.418
S219	-0.503	-0.367	-0.571	-0.090	-1.088	-0.476	-0.410
S220	0.148	-0.802	-0.658	-0.517	3.342	-0.438	-0.429
\$221	-0.515	-0.558	-0.587	-0.547	2.302	-0.472	-0.428
S222	-0.526	0.614	-0.556	-0.720	1.996	-0.403	-0.410
S223	-0.411	-0.704	-0.658	-0.429	0.353	-0.453	-0.500
\$224	-0.654	0.648	-0.551	-0.731	2.839	-0.405	-0.389
S225	-0.399	-0.644	-0.645	-0.359	-0.143	-0.419	-0.485
S226	-0.654	0.668	-0.487	-0.742	2.852	-0.418	-0.387
S227	-0.334	-0.640	-0.583	-0.297	-1.316	-0.416	-0.499
S228	-0.646	0.674	-0.487	-0.754	3.443	-0.423	-0.384
S229	-0.299	-0.659	-0.556	-0.289	-1.254	-0.418	-0.494
S230	-0.480	0.668	-0.449	-0.759	2.268	-0.419	-0.380
S231	-0.241	-0.745	-0.547	-0.396	-1.085	-0.416	-0.425
S232	-0.318	0.868	-0.447	-0.184	0.788	-0.413	-0.379
S233	-0.303	-0.821	-0.527	-0.542	-1.233	-0.417	-0.387
\$234	-0.476	1.052	-0.445	-0.281	-1.081	-0.415	-0.382
S235	-0.311	-0.720	-0.536	-0.433	-1.264	-0.432	-0.389
\$236	-0.449	1.106	-0.456	-0.275	0.439	-0.420	-0.387
S237	-0.315	-0.621	-0.554	-0.268	-1.254	-0.440	-0.403
S238	-0.426	1.093	-0.509	-0.407	3.667	-0.420	-0.393
S239	-0.345	-0.625	-0.631	-0.241	-1.148	-0.443	-0.394
S240	-0.372	0.918	-0.569	-0.441	3.474	-0.420	-0.314
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0	1.0

	Z1	Z2	Z3	Z12	Z13
\$1	-0.349	-0.910	-0.611	-0.245	0.792
S2	2.760	-0.917	-0.598	-0.112	0.506
<b>S</b> 3	-0.758	-0.917	-0.625	-0.189	0.761
S4	2.767	-0.923	-0.627	-0.083	0.427
S5	-0.750	-0.913	-0.631	-0.121	0.637
<u>\$6</u>	-0.357	-0.872	-0.620	-0.043	0.508
<b>S7</b>	-0.746	-0.907	-0.636	-0.181	0.392
<u>S8</u>	-0.719	-0.875	-0.642	-0.038	0.575
<u>\$9</u>	-0.750	-0.923	-0.647	-0.054	0.327
S10	-0.761	-0.879	-0.660	-0.244	0.654
S11	-0.765	-0.815	-0.642	-0.225	0.310
S12	0.622	-0.859	-0.638	-0.167	0.377
\$13	-0.746	-0.780	-0.642	-0.234	0.489
S14	1.230	-0.834	-0.647	-0.181	0.098
S15	-0.742	-0.726	-0.629	-0.193	0.501
S16	1.207	-0.790	-0.649	-0.077	0.029
S17	-0.765	-0.755	-0.605	-0.181	0.625
S18	1.319	-0.802	-0.634	-0.097	0.024
S19	-0.773	-0.755	-0.600	-0.241	-0.085
S20	0.329	-0.917	-0.634	-0.117	-0.421
S21	-0.900	-0.853	-0.642	0.008	-0.946
S22	3.126	-0.866	-0.651	-0.046	0.976
S23	-1.158	-0.866	-0.640	0.033	-0.946
\$24	2.578	-0.828	-0.645	-0.030	0.887
S25	-1.070	-0.863	-0.634	5.046	-1.234
\$26	-0.981	-0.796	- <mark>0.64</mark> 2	0.029	0.914
S27	-1.181	-0.866	-0.620	5.741	-1.356
S28	-1.443	-0.802	-0.638	0.079	0.825
S29	-1.201	-0.866	-0.620	5.775	-1.375
S30	-0.908	-0.793	-0.620	0.062	0.740
\$31	-0.969	-0.818	-0.618	4.690	-1.432
S32	0.841	-0.790	-0.611	0.049	0.341
\$33	-0.939	-0.707	-0.627	0.027	-1.378
\$34	1.369	-0.720	-0.605	0.038	0.196
\$35	-0.946	-0.694	-0.642	0.039	-1.318
\$36	0.714	-0.717	-0.600	0.052	0.287
\$37	-0.916	-0.723	-0.658	0.086	-1.227
538	1.226	-0./13	-0.607	0.027	0.148
539	-0.754	-0.809	-0.660	0.055	-1.497
540	-0.145	-0.///	-0.609	-0.098	-0.061
541	-0.804	1.791	1.221	-0.209	1.009
542	0.805	1.709	1.210	-0.122	1.000
545	1 000	1.804	1.230	-0.233	0.923
544	1.300	1.010	1 222	-0.005	0.605
545	-0.900	1.791	1 212	-0.101	0.000
340	-0.042	1.049	1.212	-0.040	0.742

S47	-0.889	1.788	1.232	-0.106	0.485
S48	-0.877	1.839	1.223	-0.017	0.642
S49	-0.761	1.801	1.232	-0.055	0.482
S50	-0.892	1.845	1.232	-0.070	0.721
S51	-0.881	1.849	1.230	-0.220	0.499
S52	-0.288	1.839	1.237	-0.097	0.132
S53	-0.881	1.902	1.228	-0.223	0.506
S54	0.857	1.849	1.237	-0.015	0.067
S55	-0.865	1.925	1.219	-0.207	0.649
S56	0.028	1.893	1.234	-0.002	-0.045
S57	-0.815	1.877	1.208	-0.199	0.511
S58	1.743	1.915	1.232	-0.072	-0.023
S59	0.756	1.690	1.186	-0.061	0.494
S60	-0.738	1.883	1.212	-0.123	0.115
S61	-0.738	1.883	1.212	-0.123	0.115
S62	-0.349	-0.910	-0.611	-0.245	0.792
S63	2.760	-0.917	-0.598	-0.112	0.506
S64	-0.758	-0.917	-0.625	-0.189	0.761
S65	2.767	-0.923	-0.627	-0.083	0.427
S66	-0.750	-0.913	-0.631	-0.121	0.637
S67	-0.357	-0.872	-0.620	-0.043	0.508
S68	-0.746	-0.907	-0.636	-0.181	0.392
S69	-0.719	-0.875	-0.642	-0.038	0.575
S70	-0.750	-0.923	-0.647	-0.054	0.327
S71	-0.761	-0.879	-0.660	-0.244	0.654
S72	-0.765	-0.815	-0.642	-0.225	0.310
S73	0.622	-0.859	-0.638	-0.167	0.377
S74	-0.746	-0.780	-0.642	-0.234	0.489
S75	1.230	-0.834	-0.647	-0.181	0.098
S76	-0.742	-0.726	-0.629	-0.193	0.501
S77	1.207	-0.790	-0.649	-0.077	0.029
S78	-0.765	-0.755	-0.605	-0.181	0.625
S79	1.319	-0.802	-0.634	-0.097	0.024
S80	-0.773	-0.755	-0.600	-0.241	-0.085
S81	0.329	-0.917	-0.634	-0.117	-0.421
S82	-0.900	-0.853	-0.642	0.008	-0.946
S83	3.126	-0.866	-0.651	-0.046	0.976
S84	-1.158	-0.866	-0.640	0.033	-0.946
S85	2.578	-0.828	-0.645	-0.030	0.887
S86	-1.070	-0.863	-0.634	5.046	-1.234
S87	-0.981	-0.796	-0.642	0.029	0.914
S88	-1.181	-0.866	-0.620	5.741	-1.356
S89	-1.443	-0.802	-0.638	0.079	0.825
S90	-1.201	-0.866	-0.620	5.775	-1.375
S91	-0.908	-0.793	-0.620	0.062	0.740
S92	-0.969	-0.818	-0.618	4.690	-1.432
S93	0.841	-0.790	-0.611	0.049	0.341
S94	-0.939	-0.707	-0.627	0.027	-1.378

\$95	1.369	-0.720	-0.605	0.038	0.196
S96	-0.946	-0.694	-0.642	0.039	-1.318
S97	0.714	-0.717	-0.600	0.052	0.287
S98	-0.916	-0.723	-0.658	0.086	-1.227
S99	1.226	-0.713	-0.607	0.027	0.148
S100	-0.754	-0.809	-0.660	0.055	-1.497
S101	-0.145	-0.777	-0.609	-0.098	-0.061
S102	-0.804	1.791	1.221	-0.209	1.009
S103	3.368	1.769	1.210	-0.155	1.000
S104	-0.896	1.804	1.230	-0.233	0.923
S105	1.908	1.810	1.206	-0.063	0.873
S106	-0.900	1.791	1.232	-0.161	0.606
S107	-0.842	1.849	1.212	-0.040	0.742
S108	-0.889	1.788	1.232	-0.106	0.485
S109	-0.877	1.839	1.223	-0.017	0.642
S110	-0.761	1.801	1.232	-0.055	0.482
S111	-0.892	1.845	1.232	-0.070	0.721
S112	-0.881	1.849	1.230	-0.220	0.499
S113	-0.288	1.839	1.237	-0.097	0.132
S114	-0.881	1.902	1.228	-0.223	0.506
S115	0.857	1.849	1.237	-0.015	0.067
S116	-0.865	1.925	1.219	-0.207	0.649
S117	0.028	1.893	1.234	-0.002	-0.045
S118	-0.815	1.877	1.208	-0.199	0.511
S119	1.743	.743 1.915 1.2		-0.072	-0.023
S120	0.756	1.690	1.186	-0.061	0.494
S121	-0.738	1.883	1.212	-0.123	0.115
S122	-0.103	-0.647	2.317	-0.270	-0.421
S123	-0.241	-0.510	2.302	-0.396	-0.679
S124	-0.596	-0.612	2.397	-0.247	-0.307
S125	0.375	0.017	2.317	-0.425	-0.743
S126	-0.395	-0.621	2.470	-0.232	-0.588
S127	0.394	0.071	2.408	-0.337	-0.631
S128	-0.145	-0.571	2.537	-0.213	-0.669
S129	0.641	-0.069	2.508	-0.234	-0.545
S130	0.333	-0.145	2.579	-0.268	-0.741
S131	0.710	0.014	2.599	-0.238	-0.522
S132	0.128	0.496	2.608	-0.294	-0.722
S133	0.479	-0.152	2.583	-0.323	-1.056
S134	-0.238	0.522	2.610	-0.305	-0.612
S135	0.286	0.068	2.523	-0.312	-1.218
S136	-0.022	0.522	2.521	-0.295	-0.724
S137	0.356	0.102	2.479	-0.303	-1.244
S138	0.336	-0.037	2.388	-0.286	-0.688
S139	0.371	0.071	2.519	-0.300	-0.731
S140	-0.184	-1.431	2.346	-0.290	-0.781
S141	-0.415	-0.040	2.239	-0.337	-1.306
S142	0.571	-0.650	-0.620	-0.620	-0.727

S143	0.283	-0.107	-0.645	-0.428	-0.772
S144	0.140	-0.466	-0.574	-0.596	-0.679
S145	0.521	0.026	-0.540	-0.399	-0.603
S146	-0.157	-0.425	-0.447	-0.565	-0.963
S147	0.799	0.261	-0.527	-0.333	-0.674
S148	0.009	-0.348	-0.412	-0.469	-1.089
S149	0.883	0.436	-0.401	-0.306	-0.753
\$150	0.514	-0.355	-0.323	-0.438	-1.146
\$151	0.999	0.420	-0.296	-0.316	-0.827
\$152	0.163	0.125	-0.270	-0.522	-1.201
\$153	0.853	-0.164	-0.279	-0.319	-0.967
\$154	0.140	0.709	-0.281	-0.537	-1.125
\$155	0.645	0.277	-0.272	-0.267	-1.330
S156	0.652	0.801	-0.418	-0.526	-1.022
S157	0.672	0.585	-0.354	-0.274	-1.268
S158	1.321	1.454	0.124	-0.284	0.651
S159	0.606	0.588	-0.401	-0.338	-1.285
S160	0.456	0.464	-0.565	-0.518	-1.194
S161	0.144	0.055	-0.556	-0.372	-1.795
S162	1.199	-0.117	-0.527	-0.234	0.837
\$163	1.342	0.855	-0.531	-0.147	0.811
S164	0.880	0.271	-0.518	-0.237	0.871
S165	1.180	0.836	-0.487	-0.135	0.880
S166	0.679	0.309	-0.421	-0.131	0.699
\$167	1,292	1.023	-0.398	-0.117	0.792
\$168	0.679	0.347	-0.385	-0.063	0.473
S169	1.754	1.141	-0.256	-0.082	0.744
S170	0.937	0.417	-0.256	-0.054	0.358
S171	1.820	1.071	-0.234	-0.118	0.728
S172	1.373	0.985	-0.201	-0.177	0.370
S173	1.758	0.883	-0.183	-0.112	0.523
S174	1.234	-0.066	-0.188	-0.196	0.344
S175	1.542	1.112	-0.228	-0.082	0.301
S176	1.469	-0.040	-0.270	-0.176	0.434
S177	1.515	1.118	-0.330	-0.058	0.208
S178	1.535	-0.282	-0.423	-0.178	0.532
S179	1.492	1.058	-0.396	-0.096	0.213
S180	1.315	0.258	-0.496	-0.210	0.573
S181	0.101	0.782	-0.485	-0.143	-0.045
S182	-0.469	-0.707	-0.596	-0.418	3.300
S183	-0.276	-0.488	-0.607	-0.198	0.418
S184	-0.484	-0.647	-0.571	-0.368	3.424
\$185	-0.222	-0.425	-0.596	-0.168	0.458
\$186	-0.488	-0.663	-0.538	-0.301	3.179
5187	-0.149	-0.301	-0.545	-0.124	0.513
5188	-0.496	-0.625	-0.496	-0.1/9	3.062
5189	-0.083	-0.298	-0.503	-0.081	0.313
5190	-0.342	-0.618	-0.474	-0.244	3.098

S191	-0.083	-0.418	-0.478	-0.082	0.282
S192	-0.330	-0.447	-0.454	-0.394	3.241
\$193	-0.164	-0.418	-0.452	-0.103	-0.028
S194	-0.342	-0.253	-0.456	-0.379	3.226
S195	-0.168	-0.428	-0.458	-0.097	-0.021
S196	-0.334	-0.139	-0.483	-0.345	3.284
S197	-0.211	-0.402	-0.474	-0.091	-0.030
S198	-0.422	-0.244	-0.540	-0.350	2.993
S199	-0.214	-0.374	-0.529	-0.129	-0.014
S200	-0.446	-0.815	-0.571	-0.391	3.126
S201	-0.415	-0.498	-0.569	-0.212	-0.100
S202	-0.607	-0.885	-0.658	-0.352	-0.617
S203	-0.638	-0.726	-0.649	-0.271	-0.097
S204	-0.700	-0.882	-0.649	-0.348	-0.553
S205	-0.569	-0.796	-0.629	-0.258	-0.133
S206	-0.723	-0.866	-0.598	-0.309	-0.369
S207	-0.484	-0.602	-0.609	-0.202	-0.159
S208	-0.788	-0.837	-0.600	-0.240	-0.269
S209	-0.580	-0.577	-0.589	-0.237	-0.181
S210	-0.711	-0.879	-0.576	-0.234	-0.259
S211	-0.315	-0.564	-0.565	-0.280	-0.357
S212	-0.630	-0.821	-0.556	-0.338	-0.414
\$213	-0.457	-0.583	-0.538	-0.274	-0.469
\$214	-0.654	-0.621	-0.549	-0.342	-0.314
\$215	215 -0.530 -0.52		-0.536	-0.244	-0.421
\$215	-0 711	-0.606	-0 571	-0 346	-0.379
\$217	-0 511	-0.482	-0.551	-0.233	-0.359
\$218	-0.654	-0.574	-0.580	-0.335	-0.383
\$219	219 -0.503 -0.367		-0.571	-0.238	-0.464
\$220	0.148	-0.802	-0.658	-0.324	-0.414
\$221	-0.515	-0.558	-0.587	-0.263	-0.517
\$222	2 -0.526 0.614		-0.556	-0.355	-0.998
\$223	-0.411	-0.704	-0.658	-0.233	-1.215
\$224	-0.654	0.648	-0.551	-0.384	-0.927
\$225	-0.399	-0.644	-0.645	-0.217	-0.898
\$226	-0.654	0.668	-0.487	-0.310	-1.084
\$227	-0.334	-0.640	-0,583	-0,205	-0,908
\$228	-0.646	0.674	-0.487	-0.233	-1.022
\$229	-0.299	-0.659	-0.556	-0.168	-0.975
\$230	-0.480	0.668	-0.449	-0.202	-1.277
\$231	-0.241	-0.745	-0.547	-0.162	-0.972
\$232	-0.318	0.868	-0.447	-0.219	-1.156
\$233	-0.303	-0.821	-0.527	-0.179	-1.361
\$234	-0.476	1.052	-0.445	-0.294	-1.120
\$235	-0.311	-0.720	-0,536	-0.258	-1.339
\$236	-0.449	1,106	-0.456	-0,299	-1.065
\$237	-0.315	-0.621	-0.554	-0,182	-1.389
\$238	-0.426	1.093	-0.509	-0.286	-1.025
\$230	-0.345	-0.625	-0.631	-0.200	-1 /20
\$235	-0.343	0.025	-0.031	-0.200	-1.420
AVERAGE	0.0	0.0	0.0	0.200	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0
JIDEV	1.0	1.0	1.0	1.0	1.0

MEAN AND	STANDARD DEVIATION LEVEL 5	

				IND D		IOI ( D		<u> </u>
		Z1	Z4	Z5	Z8	Z9	Z12	Z13
	S1	-0.349	1.850	-1.044	-0.727	-0.504	-0.245	0.792
	S2	2.760	0.137	-0.797	0.021	-0.777	-0.112	0.506
	<b>S</b> 3	-0.758	-0.486	-0.857	-0.716	-0.513	-0.189	0.761
[	S4	2.767	0.448	-0.979	-0.017	-0.808	-0.083	0.427
	<b>S</b> 5	-0.750	-0.670	-0.818	-0.730	-0.489	-0.121	0.637
[	<b>S6</b>	-0.357	1.128	-0.413	0.094	-0.678	-0.043	0.508
[	<b>S7</b>	-0.746	-0.184	-0.824	-0.739	-0.425	-0.181	0.392
	<u>S8</u>	-0.719	1.137	-0.583	-0.041	-0.363	-0.038	0.575
	<mark>S9</mark>	-0.750	0.665	-0.859	-0.733	-0.497	-0.054	0.327
	S10	-0.761	1.180	-0.728	-0.340	-0.236	-0.244	0.654
	S11	-0.765	-0.061	-0.609	0.150	-0.223	-0.225	0.310
	S12	0.622	0.826	-0.626	-0.430	-0.188	-0.167	0.377
	S13	-0.746	-0.844	-0.476	0.145	-0.142	-0.234	0.489
	S14	1.230	0.788	-0.519	-0.081	-0.470	-0.181	0.098
	S15	-0.742	-1.104	-0.232	0.229	0.027	-0.193	0.501
	S16	1.207	0.736	-0.519	0.024	-0.626	-0.077	0.029
	S17	-0.765	-0.759	-0.308	0.028	-0.061	-0.181	0.625
	S18	1.319	0.647	-0.545	-0.043	-0.739	-0.097	0.024
	S19	-0.773	-1.019	-0.631	-0.291	-0.658	-0.241	-0.085
	S20	0.329	-0.821	-0.749	-0.211	-0.789	-0.117	-0.421
	S21	-0.900	-0.212	-0.850	-0.694	-0.986	0.008	-0.946
	S22	3.126	-0.849	-0.579	-0.429	-0.838	-0.046	0.976
	S23	-1.158	-0.340	-0.792	-0.693	-0.929	0.033	-0.946
Γ	S24	2.578	-0.736	-0.570	-0.436	-0.875	-0.030	0.887
Γ	S25	-1.070	-1.184	-0.779	-0.704	-0.932	5.046	-1.234
Γ	S26	-0.981	0.156	-0.424	-0.433	-0.887	0.029	0.914
Γ	S27	-1.181	-0.745	-0.805	-0.736	-0.923	5.741	-1.356
Г	S28	-1.443	0.293	-0.510	-0.353	-0.690	0.079	0.825
Г	S29	-1.201	0.062	-0.833	-0.741	-0.972	5.775	-1.375
Γ	S30	-0.908	0.208	-0.620	-0.606	-0.453	0.062	0.740
Γ	S31	-0.969	-0.217	-0.676	0.192	-0.585	4.690	-1.432
Γ	S32	0.841	-0.193	-0.616	-0.629	-0.276	0.049	0.341
[	S33	-0.939	-1.590	-0.422	0.339	-0.479	0.027	-1.378
Г	S34	1.369	-0.193	-0.437	-0.261	-0.279	0.038	0.196
Г	S35	-0.946	-2.203	-0.260	0.104	-0.419	0.039	-1.318
	S36	0.714	-0.160	-0.424	-0.348	-0.380	0.052	0.287
	S37	-0.916	-2.279	-0.301	-0.001	-0.505	0.086	-1.227
Γ	S38	1.226	-0.151	-0.476	-0.407	-0.729	0.027	0.148
	S39	-0.754	-2.250	-0.908	-0.296	-1.120	0.055	-1.497
	S40	-0.145	-1.873	-0.755	-0.144	-1.091	-0.098	-0.061
	S41	-0.804	0.146	0.603	0.050	0.506	-0.209	1.009
	S42	3.368	-0.028	0.625	0.510	0.449	-0.155	1.000
	\$43	-0.896	-0.495	0.733	0.037	0.541	-0.233	0.923
	S44	1.908	0.656	1.213	0.627	0.442	-0.063	0.873
	S45	-0.900	-0.627	0.750	0.028	0.548	-0.161	0.606
	S46	-0.842	1.312	2.180	0.809	0.510	-0.040	0.742
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S47	-0.889	0.033	0.754	6.841	0.579	-0.106	0.485
S48	-0.877	1.505	1.032	0.803	0.621	-0.017	0.642
S49	-0.761	1.284	0.703	6.439	0.547	-0.055	0.482
S50	-0.892	1.576	0.899	0.725	0.580	-0.070	0.721
S51	-0.881	0.831	1.120	0.897	0.791	-0.220	0.499
S52	-0.288	1.005	0.823	0.643	0.484	-0.097	0.132
S53	-0.881	-0.297	1.170	0.907	0.874	-0.223	0.506
S54	0.857	1.019	1.148	0.133	0.573	-0.015	0.067
S55	-0.865	-1.269	1.400	0.736	1.063	-0.207	0.649
S56	0.028	1.137	0.911	0.827	0.431	-0.002	-0.045
S57	-0.815	-1.227	1.340	0.674	0.957	-0.199	0.511
S58	1.743	1.213	0.726	0.661	0.284	-0.072	-0.023
S59	0.756	-0.986	0.970	0.440	0.539	-0.061	0.494
S60	-0.738	0.599	0.896	0.443	0.354	-0.123	0.115
S61	-0.738	0.599	0.896	0.443	0.354	-0.123	0.115
S62	-0.349	1.850	-1.044	-0.727	-0.504	-0.245	0.792
S63	2.760	0.137	-0.797	0.021	-0.777	-0.112	0.506
S64	-0.758	-0.486	-0.857	-0.716	-0.513	-0.189	0.761
S65	2.767	0.448	-0.979	-0.017	-0.808	-0.083	0.427
S66	-0.750	-0.670	-0.818	-0.730	-0.489	-0.121	0.637
S67	-0.357	1.128	-0.413	0.094	-0.678	-0.043	0.508
S68	-0.746	-0.184	-0.824	-0.739	-0.425	-0.181	0.392
S69	-0.719	1.137	-0.583	-0.041	-0.363	-0.038	0.575
S70	-0.750	0.665	-0.859	-0.733	-0.497	-0.054	0.327
S71	-0.761	1.180	-0.728	-0.340	-0.236	-0.244	0.654
\$72	-0.765	-0.061	-0.609	0.150	-0.223	-0.225	0.310
\$73	0.622	0.826	-0.626	-0.430	-0.188	-0.167	0.377
S74	-0.746	-0.844	-0.476	0.145	-0.142	-0.234	0.489
\$75	1.230	0.788	-0.519	-0.081	-0.470	-0.181	0.098
\$76	-0.742	-1.104	-0.232	0.229	0.027	-0.193	0.501
\$77	1.207	0.736	-0.519	0.024	-0.626	-0.077	0.029
S78	-0.765	-0.759	-0.308	0.028	-0.061	-0.181	0.625
S79	1.319	0.647	-0.545	-0.043	-0.739	-0.097	0.024
S80	-0.773	-1.019	-0.631	-0.291	-0.658	-0.241	-0.085
S81	0.329	-0.821	-0.749	-0.211	-0.789	-0.117	-0.421
S82	-0.900	-0.212	-0.850	-0.694	-0.986	0.008	-0.946
S83	3.126	-0.849	-0.579	-0.429	-0.838	-0.046	0.976
S84	-1.158	-0.340	-0.792	-0.693	-0.929	0.033	-0.946
S85	2.578	-0.736	-0.570	-0.436	-0.875	-0.030	0.887
S86	-1.070	-1.184	-0.779	-0.704	-0.932	5.046	-1.234
S87	-0.981	0.156	-0.424	-0.433	-0.887	0.029	0.914
S88	-1.181	-0.745	-0.805	-0.736	-0.923	5.741	-1.356
S89	-1.443	0.293	-0.510	-0.353	-0.690	0.079	0.825
<b>S90</b>	-1.201	0.062	-0.833	-0.741	-0.972	5.775	-1.375
S91	-0.908	0.208	-0.620	-0.606	-0.453	0.062	0.740
S92	-0.969	-0.217	-0.676	0.192	-0.585	4.690	-1.432
<b>S93</b>	0.841	-0.193	-0.616	-0.629	-0.276	0.049	0.341
S94	-0.939	-1.590	-0.422	0.339	-0.479	0.027	-1.378

\$95	1.369	-0.193	-0.437	-0.261	-0.279	0.038	0.196
\$96	-0.946	-2.203	-0.260	0.104	-0.419	0.039	-1.318
\$97	0.714	-0.160	-0.424	-0.348	-0.380	0.052	0.287
\$98	-0.916	-2.279	-0.301	-0.001	-0.505	0.086	-1.227
\$99	1.226	-0.151	-0.476	-0.407	-0.729	0.027	0.148
S100	-0.754	-2.250	-0.908	-0.296	-1.120	0.055	-1.497
S101	-0.145	-1.873	-0.755	-0.144	-1.091	-0.098	-0.061
S102	-0.804	0.146	0.603	0.050	0.506	-0.209	1.009
S103	3.368	-0.028	0.625	0.510	0.449	-0.155	1.000
S104	-0.896	-0.495	0.733	0.037	0.541	-0.233	0.923
S105	1.908	0.656	1.213	0.627	0.442	-0.063	0.873
S106	-0.900	-0.627	0.750	0.028	0.548	-0.161	0.606
S107	-0.842	1.312	2.180	0.809	0.510	-0.040	0.742
S108	-0.889	0.033	0.754	6.841	0.579	-0.106	0.485
S109	-0.877	1.505	1.032	0.803	0.621	-0.017	0.642
S110	-0.761	1.284	0.703	6.439	0.547	-0.055	0.482
S111	-0.892	1.576	0.899	0.725	0.580	-0.070	0.721
S112	-0.881	0.831	1.120	0.897	0.791	-0.220	0.499
S113	-0.288	1.005	0.823	0.643	0.484	-0.097	0.132
S114	-0.881	-0.297	1.170	0.907	0.874	-0.223	0.506
S115	0.857	1.019	1.148	0.133	0.573	-0.015	0.067
S116	-0.865	-1.269	1.400	0.736	1.063	-0.207	0.649
S117	0.028	1.137	0.911	0.827	0.431	-0.002	-0.045
S118	-0.815	-1.227	1.340	0.674	0.957	-0.199	0.511
S119	1.743	1.213	0.726	0.661	0.284	-0.072	-0.023
S120	0.756	-0.986	0.970	0.440	0.539	-0.061	0.494
S121	-0.738	0.599	0.896	0.443	0.354	-0.123	0.115
S122	-0.103	0.189	1.605	0.427	0.889	-0.270	-0.421
S123	-0.241	0.505	2.567	0.887	0.917	-0.396	-0.679
S124	-0.596	-0.330	1.945	0.436	0.243	-0.247	-0.307
S125	0.375	0.840	2.565	0.828	0.894	-0.425	-0.743
S126	-0.395	-0.259	1.969	0.418	1.012	-0.232	-0.588
S127	0.394	1.175	2.576	0.942	0.911	-0.337	-0.631
S128	-0.145	-0.122	1.969	0.417	1.012	-0.213	-0.669
S129	0.641	1.519	2.604	0.959	1.177	-0.234	-0.545
S130	0.333	0.486	1.997	0.564	1.033	-0.268	-0.741
S131	0.710	1.552	2.531	0.964	1.374	-0.238	-0.522
S132	0.128	0.595	2.611	0.944	1.175	-0.294	-0.722
S133	0.479	0.972	2.553	0.833	1.383	-0.323	-1.056
S134	-0.238	0.425	2.847	0.975	1.379	-0.305	-0.612
\$135	0.286	0.873	2.738	0.910	1.290	-0.312	-1.218
\$136	-0.022	-1.462	2.820	0.934	1.302	-0.295	-0.724
S137	0.356	1.019	2.785	0.943	1.084	-0.303	-1.244
S138	0.336	-1.529	2.539	0.901	1.116	-0.286	-0.688
S139	0.371	0.972	2.634	0.915	1.056	-0.300	-0.731
S140	-0.184	-0.703	2.113	0.798	0.749	-0.290	-0.781
S141	-0.415	-0.325	2.029	0.884	1.023	-0.337	-1.306
S142	0.571	1.340	-0.215	-0.700	-0.539	-0.620	-0.727

S143	0.283	1.552	-0.097	-0.269	-0.493	-0.428	-0.772
S144	0.140	0.481	-0.349	-0.707	-0.499	-0.596	-0.679
S145	0.521	1.321	0.067	-0.250	-0.514	-0.399	-0.603
S146	-0.157	-0.476	-0.096	-0.709	-0.470	-0.565	-0.963
S147	0.799	2.222	0.507	-0.208	-0.561	-0.333	-0.674
S148	0.009	0.203	-0.092	-0.724	-0.442	-0.469	-1.089
S149	0.883	2.307	0.448	-0.194	-0.381	-0.306	-0.753
\$150	0.514	1.661	-0.124	-0.614	-0.398	-0.438	-1.146
\$151	0.999	2.340	0.242	-0.328	-0.103	-0.316	-0.827
S152	0.163	1.859	0.435	-0.152	-0.068	-0.522	-1.201
S153	0.853	1.878	0.240	-0.239	-0.383	-0.319	-0.967
S154	0.140	-0.042	0.647	-0.149	-0.051	-0.537	-1.125
S155	0.645	1.741	0.474	-0.168	-0.236	-0.267	-1.330
S156	0.652	-0.118	0.786	-0.160	-0.082	-0.526	-1.022
S157	0.672	1.864	0.616	-0.146	-0.568	-0.274	-1.268
S158	1.321	0.472	1.452	-0.053	0.346	-0.284	0.651
S159	0.606	1.803	0.629	-0.183	-0.696	-0.338	-1.285
S160	0.456	0.170	-0.047	-0.312	-0.287	-0.518	-1.194
S161	0.144	-0.830	0.380	-0.194	-0.728	-0.372	-1.795
S162	1.199	0.831	-0.609	-0.709	-0.626	-0.234	0.837
S163	1.342	0.330	-0.137	-0.402	-0.558	-0.147	0.811
S164	0.880	-0.547	-0.531	-0.700	-0.563	-0.237	0.871
S165	1.180	0.647	0.242	-0.272	-0.540	-0.135	0.880
S166	0.679	-0.217	-0.387	-0.709	-0.542	-0.131	0.699
S167	1.292	1.435	0.444	-0.196	-0.488	-0.117	0.792
S168	0.679	0.326	-0.370	-0.709	-0.476	-0.063	0.473
S169	1.754	1.887	0.304	-0.194	-0.209	-0.082	0.744
S170	0.937	1.368	-0.241	-0.678	-0.443	-0.054	0.358
S171	1.820	2.020	0.196	-0.187	-0.190	-0.118	0.728
S172	1.373	1.350	0.489	-0.365	-0.388	-0.177	0.370
S173	1.758	1.543	0.097	-0.189	-0.129	-0.112	0.523
S174	1.234	-0.236	0.513	-0.088	-0.102	-0.196	0.344
S175	1.542	1.444	0.110	-0.160	-0.230	-0.082	0.301
S176	1.469	-0.613	0.625	-0.157	-0.338	-0.176	0.434
S177	1.515	1.505	0.194	-0.165	-0.291	-0.058	0.208
S178	1.535	0.137	0.534	-0.201	-0.305	-0.178	0.532
S179	1.492	1.642	0.438	-0.202	-0.423	-0.096	0.213
S180	1.315	1.439	0.147	-0.221	-0.770	-0.210	0.573
S181	0.101	1.491	-0.349	-0.209	-0.287	-0.143	-0.045
S182	-0.469	-0.656	-0.911	-0.741	0.071	-0.418	3.300
S183	-0.276	-0.623	-0.796	-0.344	-0.253	-0.198	0.418
S184	-0.484	-0.703	-0.797	-0.723	-0.631	-0.368	3.424
S185	-0.222	-0.269	-0.555	-0.242	-0.830	-0.168	0.458
S186	-0.488	-0.953	-0.792	-0.721	-1.255	-0.301	3.179
S187	-0.149	-0.160	-0.480	-0.199	0.878	-0.124	0.513
S188	-0.496	-0.882	-0.781	-0.743	-1.192	-0.179	3.062
S189	-0.083	0.080	-0.405	-0.179	0.468	-0.081	0.313
S190	-0.342	-0.401	-0.768	-0.745	-1.042	-0.244	3.098

S191 -0.083 0.066 -0.201 -0.013 -0.082 0.282   S192 -0.330 -0.047 -0.573 -0.276 -0.394 3.241   S193 -0.164 -0.170 -0.536 -0.283 -0.665 -0.103 -0.02   S194 -0.342 -0.226 -0.467 -0.130 -1.183 -0.379 3.224   S195 -0.168 -0.179 -0.532 -0.168 -0.021 -0.033   S196 -0.334 -0.922 -0.443 -0.344 -0.344 -0.039 5.285   S197 -0.211 -0.105 -0.557 -0.384 1.077 -0.391 3.126   S201 -0.415 -0.170 -0.790 -0.285 1.859 -0.211 -0.10   S202 -0.668 -0.823 -0.483 -0.571 -0.503 -0.484 -0.528 -0.33   S203 -0.668 -0.829 -0.442 -1.499 -0.228 -0.33   S204								
S192 -0.330 -0.047 -0.573 -0.278 -0.394 3.241   S193 -0.164 -0.170 -0.536 -0.283 -0.665 -0.103 -0.02   S194 -0.342 -0.226 -0.467 -0.130 -1.183 -0.379 3.226   S195 -0.168 -0.179 -0.532 -0.168 -0.078 3.284   S197 -0.211 -0.113 -0.529 -0.193 0.634 -0.091 -0.335   S198 -0.221 -0.085 -0.484 -0.248 1.077 -0.391 3.126   S200 -0.446 -1.052 -0.657 -0.384 1.077 -0.311 3.126   S201 -0.415 -0.170 -0.790 -0.255 1.859 -0.211 -0.10   S202 -0.607 -1.184 -1.081 -0.758 1.886 -0.309 -0.352   S203 -0.568 -0.747 -0.423 -1.163 -0.255 1.133 -0.559 -0.424	S191	-0.083	0.066	-0.620	-0.275	-0.013	-0.082	0.282
S193 -0.164 -0.170 -0.536 -0.283 -0.665 -0.103 -0.02   S194 -0.342 -0.226 -0.467 -0.130 -1.183 -0.379 3.220   S195 -0.168 -0.034 -0.272 -0.443 -0.234 -0.345 3.284   S197 -0.211 -0.113 -0.529 -0.193 0.634 -0.019 -0.035   S198 -0.422 -1.094 -0.480 -0.308 1.157 -0.350 2.993   S199 -0.214 -0.085 -0.484 -0.243 2.848 -0.129 -0.01   S200 -0.617 -0.793 -1.061 -0.755 1.543 -0.352 -0.61   S201 -0.638 -0.774 -0.863 -0.575 1.543 -0.352 -0.61   S204 -0.700 -1.184 -0.788 -0.71 -0.92 -0.13 -0.26 -0.13   S204 -0.708 -1.185 -0.747 -0.412 -1.278	S192	-0.330	-0.047	-0.573	-0.279	-0.276	-0.394	3.241
S194 -0.342 -0.226 -0.467 -0.130 -1.183 -0.379 3.226   S195 -0.168 -0.179 -0.532 -0.168 -0.608 -0.097 -0.02   S196 -0.334 -0.972 -0.443 -0.234 -1.178 -0.355 3.284   S197 -0.211 -0.113 -0.529 -0.193 0.634 -0.039 1.577 -0.384 -0.022 -0.035   S199 -0.214 -0.085 -0.484 -0.235 1.859 -0.212 -0.010   S200 -0.446 -1.052 -0.563 -0.483 -0.577 -0.384 -0.579 -0.21 -0.10   S203 -0.684 -0.829 -0.442 -1.499 -0.258 -0.13   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.747 -0.422 -1.218 -0.220 -0.15   S206 -0.723 -1.168 -0.829	S193	-0.164	-0.170	-0.536	-0.283	-0.665	-0.103	-0.028
S195 -0.168 -0.168 -0.008 -0.007 -0.02   S196 -0.334 -0.972 -0.443 -0.234 -1.178 -0.345 3.284   S197 -0.211 -0.113 -0.529 -0.133 0.634 -0.091 -0.03   S198 -0.422 -1.094 -0.480 -0.243 2.848 -0.129 -0.01   S200 -0.446 -1.052 -0.657 -0.384 1.077 -0.391 3.126   S201 -0.415 -0.170 -0.790 -0.295 1.859 -0.212 -0.10   S202 -0.607 -0.333 -1.061 -0.755 1.543 -0.328 -0.13   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.684 -0.829 -0.422 -1.165 -0.420 -1.131 -0.202 -0.153   S206 -0.788 -1.155 -0.747 -0.412 -1.127 -0.234	S194	-0.342	-0.226	-0.467	-0.130	-1.183	-0.379	3.226
S196 -0.334 -0.972 -0.443 -0.234 -1.178 -0.345 3.284   S197 -0.211 -0.113 -0.529 -0.193 0.634 -0.091 -0.03   S198 -0.422 -1.094 -0.480 -0.308 1.157 -0.350 2.993   S199 -0.214 -0.085 -0.484 -0.223 1.859 -0.212 -0.10   S200 -0.446 -1.052 -0.575 1.543 -0.352 -0.61   S201 -0.415 -0.170 -0.790 -0.295 1.859 -0.212 -0.10   S202 -0.607 -0.953 -1.061 -0.755 1.543 -0.325 -0.61   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.53   S206 -0.788 +1.165 -0.427 -1.321 -0.202 -0.15   S208 -0.788 +1.165 -0.424 -0.428 -0.234 -0.235   S211 <td< td=""><td>S195</td><td>-0.168</td><td>-0.179</td><td>-0.532</td><td>-0.168</td><td>-0.608</td><td>-0.097</td><td>-0.021</td></td<>	S195	-0.168	-0.179	-0.532	-0.168	-0.608	-0.097	-0.021
S197 -0.211 -0.113 -0.529 -0.193 0.634 -0.091 -0.035   S198 -0.422 -1.094 -0.480 -0.308 1.157 -0.350 2.993   S199 -0.214 -0.085 -0.484 -0.243 2.848 -0.129 -0.01   S200 -0.446 -1.052 -0.657 -0.384 1.077 -0.391 3.126   S201 -0.607 -0.953 -1.061 -0.755 1.543 -0.352 -0.61   S202 -0.607 -0.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.684 -0.829 -0.427 -1.321 -0.202 -0.15   S206 -0.723 -1.264 -0.788 -0.758 1.864 -0.234 -0.25   S208 -0.788 -1.165 -0.477 -1.421 -1.278 -0.234 -0.26   S210 -0.711 -0.698 -0.375 -0.844 -0.234 -0.315	S196	-0.334	-0.972	-0.443	-0.234	-1.178	-0.345	3.284
S198 -0.422 -1.094 -0.480 -0.308 1.157 -0.350 2.993   S199 -0.214 -0.085 -0.484 -0.243 2.848 -0.129 -0.01   S200 -0.446 -1.052 -0.657 -0.384 1.077 -0.391 3.126   S201 -0.617 -0.703 -1.061 -0.755 1.543 -0.322 -0.610   S202 -0.607 -0.184 -1.081 -0.755 1.543 -0.328 -0.11   S204 -0.700 -1.184 -1.081 -0.755 1.886 -0.309 -0.365   S205 -0.589 -0.684 -0.829 -0.422 -1.149 -0.228 -0.13   S206 -0.788 -1.155 -0.427 -1.321 -0.220 -0.15   S209 -0.580 -0.505 -0.747 -0.412 -1.278 -0.260   S210 -0.711 -0.698 -0.374 -0.441 -0.214 -0.425   S214	S197	-0.211	-0.113	-0.529	-0.193	0.634	-0.091	-0.030
5199 -0.214 -0.085 -0.484 -0.243 2.848 -0.129 -0.01   S200 -0.446 -1.052 -0.657 -0.384 1.077 -0.391 3.126   S201 -0.415 -0.170 -0.790 -0.295 1.859 -0.212 -0.10   S202 -0.607 -0.953 -1.061 -0.755 1.543 -0.352 -0.61   S204 -0.700 -1.184 -10.81 -0.759 2.611 -0.348 -0.55   S205 -0.684 -0.829 -0.442 -1.499 -0.228 -0.13   S206 -0.700 -1.164 -0.788 -0.758 1.886 -0.309 -0.36   S206 -0.788 +1.165 -0.447 -0.412 -1.128 -0.274 -0.46   S210 -0.711 -0.568 -0.775 0.814 -0.234 -0.251   S211 -0.510 -0.575 -0.876 -0.324 -0.42 -0.35   S211	S198	-0.422	-1.094	-0.480	-0.308	1.157	-0.350	2.993
200 -0.446 -1.052 -0.657 -0.384 1.077 -0.391 3.120   S201 -0.415 -0.170 -0.790 -0.295 1.859 -0.212 -0.10   S202 -0.607 -0.953 -1.061 -0.755 1.543 -0.352 -0.61   S203 -0.668 -0.829 -0.442 -1.499 -0.258 -0.31   S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.258 -0.318   S206 -0.723 -1.264 -0.788 -0.758 1.886 -0.309 -0.36   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.202 -0.15   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.202 -0.15   S210 -0.711 -0.505 -0.747 -0.412 -1.218 -0.234 -0.235   S211 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.41	S199	-0.214	-0.085	-0.484	-0.243	2.848	-0.129	-0.014
S201 -0.415 -0.170 -0.790 -0.295 1.859 -0.212 -0.100   S202 -0.607 -0.953 -1.061 -0.755 1.543 -0.352 -0.611   S203 -0.638 -0.774 -0.863 -0.483 -0.597 -0.271 -0.09   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.228 -0.13   S206 -0.723 -1.264 -0.788 -0.747 -0.427 -1.321 -0.202 -0.58   S207 -0.484 -0.590 -0.747 -0.412 -1.278 -0.237 -0.18   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.255   S211 -0.315 -0.519 -0.758 -0.454 -1.218 -0.200 -0.338 -0.41   S214 -0.654 -0.863 -0.676 -0.299 <td>S200</td> <td>-0.446</td> <td>-1.052</td> <td>-0.657</td> <td>-0.384</td> <td>1.077</td> <td>-0.391</td> <td>3.126</td>	S200	-0.446	-1.052	-0.657	-0.384	1.077	-0.391	3.126
S202 -0.607 -0.953 -1.061 -0.755 1.543 -0.325 -0.613   S203 -0.638 -0.774 -0.863 -0.483 -0.597 -0.271 -0.09   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.258 -0.13   S206 -0.723 -1.264 -0.788 -0.758 1.886 -0.309 -0.36   S207 -0.484 -0.590 -0.745 -0.427 -1.218 -0.227 -0.18   S209 -0.580 -0.505 -0.747 -0.412 -1.218 -0.237 -0.48   S210 -0.711 -0.698 -0.975 -0.375 0.814 -0.230 -0.38 -0.414   S211 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.412   S214 -0.654 -0.863 -0.676 -0.296 -0.929	\$201	-0.415	-0.170	-0.790	-0.295	1.859	-0.212	-0.100
S203 -0.638 -0.774 -0.863 -0.483 -0.577 -0.271 -0.09   S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.55   S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.258 -0.13   S206 -0.723 -1.264 -0.788 -0.758 1.886 -0.309 -0.36   S207 -0.484 -0.590 -0.745 -0.427 -1.321 -0.202 -0.15   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.240 -0.26   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.237 -0.48   S211 -0.315 -0.519 -0.747 -0.412 -1.128 -0.280 -0.338 -0.414   S214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.412   S214 -0.654 -0.875 -0.471 -0.126 -0.335	S202	-0.607	-0.953	-1.061	-0.755	1.543	-0.352	-0.617
S204 -0.700 -1.184 -1.081 -0.759 2.611 -0.348 -0.755   S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.258 -0.13   S206 -0.723 -1.264 -0.788 -0.758 1.886 -0.309 -0.366   S207 -0.484 -0.590 -0.745 -0.427 -1.321 -0.202 -0.15   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.240 -0.26   S209 -0.580 -0.505 -0.747 -0.412 -1.278 -0.237 -0.18   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.25   S211 -0.315 -0.511 -0.774 -0.412 -1.125 -0.274 -0.46   S213 -0.654 -0.633 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.503 -0.623 -0.906 -0.307 -1.230 -0.244	\$203	-0.638	-0.774	-0.863	-0.483	-0.597	-0.271	-0.097
S205 -0.569 -0.684 -0.829 -0.442 -1.499 -0.258 -0.303   S206 -0.723 -1.264 -0.788 -0.758 1.886 -0.309 -0.36   S207 -0.484 -0.590 -0.745 -0.427 -1.321 -0.202 -0.15   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.240 -0.26   S209 -0.580 -0.505 -0.747 -0.412 -1.278 -0.237 -0.18   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.255   S211 -0.315 -0.519 -0.758 -0.454 -1.125 -0.274 -0.46   S214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.555 -0.469 3.264 -0.335	\$204	-0.700	-1.184	-1.081	-0.759	2.611	-0.348	-0.553
S206 0.723 1.1264 0.788 0.772 1.185 0.123 0.309 0.366   S207 -0.484 -0.590 -0.745 -0.427 1.321 -0.202 -0.155   S208 -0.788 -1.165 -0.945 -0.742 2.116 -0.202 -0.156   S209 -0.580 -0.505 -0.747 -0.412 -1.278 -0.237 -0.18   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.255   S211 -0.315 -0.519 -0.758 -0.454 +1.218 -0.280 -0.355   S212 -0.630 -0.575 -0.898 -0.274 0.466 -0.214 -0.466   S214 -0.654 -0.783 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.530 -0.623 -0.906 -0.388 -0.233 -0.355   S218 -0.654 -0.727 -0.689 3.264 -0.335 -0.38	\$205	-0.569	-0.684	-0.829	-0.442	-1 499	-0.258	-0.133
32100 10.7150 11.800 10.705 11.800 10.705<	\$205	-0.723	-1.264	-0.788	-0.758	1.886	-0.200	-0.369
3207 -0.788 -1.165 -0.945 -0.742 2.116 -0.240 -0.26   5209 -0.580 -0.659 -0.747 -0.412 -1.278 -0.237 -0.18   5210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.253   5211 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.411   5213 -0.457 -0.561 -0.747 -0.412 -1.125 -0.274 -0.466   5214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.315   5215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   5216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.375   5218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   5219 -0.503 -0.472 -0.697 -0.909 -1.088 -0.235 </td <td>\$200</td> <td>-0.723</td> <td>-0.590</td> <td>-0.745</td> <td>-0./27</td> <td>-1 321</td> <td>-0.202</td> <td>-0.159</td>	\$200	-0.723	-0.590	-0.745	-0./27	-1 321	-0.202	-0.159
32.06 -0.788 -11.03 -0.793 -0.742 2.116 -0.743 -0.740   \$209 -0.580 -0.505 -0.747 -0.412 -1.278 -0.237 -0.18   \$210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.253   \$211 -0.315 -0.519 -0.758 -0.454 -1.218 -0.204 -0.453   \$212 -0.650 -0.575 -0.898 -0.274 0.520 -0.338 -0.41   \$214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.437   \$215 -0.511 -1.278 -0.689 -0.393 -0.711 -0.466   \$217 -0.511 -0.575 -0.876 -0.348 +1.258 -0.233 -0.35   \$218 -0.654 +1.278 -0.755 -0.469 3.264 -0.355 -0.38   \$219 -0.503 -0.472 0.697 -0.900 +1.088 -0.233 -0.515 </td <td>\$207</td> <td>0.404</td> <td>1 165</td> <td>-0.745</td> <td>0.7427</td> <td>2 116</td> <td>-0.202</td> <td>0.155</td>	\$207	0.404	1 165	-0.745	0.7427	2 116	-0.202	0.155
3210 -0.730 -0.747 -0.412 -1.278 -0.237 -0.18   S210 -0.711 -0.698 -0.975 -0.735 0.814 -0.234 -0.25   S211 -0.315 -0.519 -0.758 -0.454 -1.218 -0.280 -0.35   S212 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.41   S213 -0.457 -0.661 -0.747 -0.412 -1.125 -0.274 -0.46   S214 -0.654 -0.863 -0.676 -0.292 -0.342 -0.31   S215 -0.511 -1.278 -0.675 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.233 -0.64   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.423 -0.41   S221 -0.526 -0.679 -0.949 -0.701 1.996 -0.355 -0.99   <	5200	-0.766	-1.105	-0.343	-0.742	2.110	-0.240	-0.203
S210 -0.711 -0.536 -0.733 0.814 -0.234 -0.235   S211 -0.315 -0.519 -0.758 -0.454 -1.218 -0.280 -0.355   S212 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.41   S213 -0.457 -0.561 -0.747 -0.412 -1.125 -0.274 -0.466   S214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.501 -0.717 -0.469 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.38   S219 -0.503 -0.472 -0.697 -0.900 -1.088 -0.238 -0.466   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.235 -0.99 <td>S203</td> <td>-0.380</td> <td>0.505</td> <td>-0.747</td> <td>0.725</td> <td>-1.270</td> <td>0.237</td> <td>0.101</td>	S203	-0.380	0.505	-0.747	0.725	-1.270	0.237	0.101
3211 -0.313 -0.319 -0.788 -0.434 -1.218 -0.280 -0.33   S212 -0.630 -0.575 -0.898 -0.274 0.520 -0.338 -0.41   S213 -0.457 -0.561 -0.747 -0.412 -1.125 -0.274 -0.46   S214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.501 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.35   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.900 -1.088 -0.238 -0.46   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.235	5210	-0.711	-0.096	-0.975	-0.755	1 210	-0.234	-0.255
S212 -0.850 -0.876 -0.274 0.320 -0.336 -0.411   S213 -0.457 -0.561 -0.747 -0.412 -1.125 -0.274 -0.46   S214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.31   S215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.355   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.464   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99	5211	-0.515	-0.519	-0.756	-0.454	-1.210	-0.200	-0.557
5213 -0.457 -0.561 -0.747 -0.412 -1.125 -0.274 -0.465   5214 -0.654 -0.863 -0.676 -0.296 -0.929 -0.342 -0.31   5215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   5216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   5217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.35   5218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   5219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.46   5220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.41   5221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.51   5222 -0.526 -0.679 -0.949 -0.720 1.996 -0.334	5212	-0.630	-0.575	-0.898	-0.274	0.520	-0.338	-0.414
3214 -0.654 -0.676 -0.296 -0.329 -0.342 -0.31   S215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.35   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.46   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.41   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.51   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.217 -0.89	5213	-0.457	-0.561	-0.747	-0.412	-1.125	-0.274	-0.469
S215 -0.530 -0.623 -0.906 -0.307 -1.230 -0.244 -0.42   S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.375   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.355   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.469   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.414   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.835 -0.742 2.852 -0.310	5214	-0.654	-0.863	-0.676	-0.296	-0.929	-0.342	-0.314
S216 -0.711 -1.278 -0.689 -0.393 -0.771 -0.346 -0.37   S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.35   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.46   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.41   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.51   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.711 2.839 -0.384 -0.92   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310	S215	-0.530	-0.623	-0.906	-0.307	-1.230	-0.244	-0.421
S217 -0.511 -0.575 -0.876 -0.348 -1.258 -0.233 -0.355   S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.38   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.466   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.414   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.999   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.355 -0.910   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08	S216	-0.711	-1.278	-0.689	-0.393	-0.771	-0.346	-0.379
S218 -0.654 -1.278 -0.755 -0.469 3.264 -0.335 -0.385   S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.466   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.411   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.517   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.835 -0.742 2.852 -0.310 -1.08   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.773 -0.289 -1.254 -0.168	S217	-0.511	-0.575	-0.876	-0.348	-1.258	-0.233	-0.359
S219 -0.503 -0.472 -0.697 -0.090 -1.088 -0.238 -0.466   S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.414   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.999   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.202	S218	-0.654	-1.278	-0.755	-0.469	3.264	-0.335	-0.383
S220 0.148 -1.165 -0.844 -0.517 3.342 -0.324 -0.414   S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.355 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202	S219	-0.503	-0.472	-0.697	-0.090	-1.088	-0.238	-0.464
S221 -0.515 -0.684 -0.820 -0.547 2.302 -0.263 -0.515   S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.99   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162	S220	0.148	-1.165	-0.844	-0.517	3.342	-0.324	-0.414
S222 -0.526 -0.679 -0.949 -0.720 1.996 -0.355 -0.999   S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162	S221	-0.515	-0.684	-0.820	-0.547	2.302	-0.263	-0.517
S223 -0.411 -1.043 -0.932 -0.429 0.353 -0.233 -1.21   S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219	S222	-0.526	-0.679	-0.949	-0.720	1.996	-0.355	-0.998
S224 -0.654 -0.873 -0.893 -0.731 2.839 -0.384 -0.92   S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.89   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.301 -0.722 -0.730 -0.843 -1.233 -0.179	S223	-0.411	-1.043	-0.932	-0.429	0.353	-0.233	-1.215
S225 -0.399 -0.698 -0.812 -0.359 -0.143 -0.217 -0.899   S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.089   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.573 -0.275 0.439 -0.299	S224	-0.654	-0.873	-0.893	-0.731	2.839	-0.384	-0.927
S226 -0.654 -0.896 -0.835 -0.742 2.852 -0.310 -1.08   S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.121   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258	S225	-0.399	-0.698	-0.812	-0.359	-0.143	-0.217	-0.898
S227 -0.334 -0.538 -0.721 -0.297 -1.316 -0.205 -0.90   S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299	S226	-0.654	-0.896	-0.835	-0.742	2.852	-0.310	-1.084
S228 -0.646 -0.717 -0.850 -0.754 3.443 -0.233 -1.02   S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182	S227	-0.334	-0.538	-0.721	-0.297	-1.316	-0.205	-0.908
S229 -0.299 -0.457 -0.773 -0.289 -1.254 -0.168 -0.97   S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286	S228	-0.646	-0.717	-0.850	-0.754	3.443	-0.233	-1.022
S230 -0.480 -0.330 -0.846 -0.759 2.268 -0.202 -1.27   S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.124   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200	S229	-0.299	-0.457	-0.773	-0.289	-1.254	-0.168	-0.975
S231 -0.241 -0.462 -0.839 -0.396 -1.085 -0.162 -0.97   S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.42   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286	S230	-0.480	-0.330	-0.846	-0.759	2.268	-0.202	-1.277
S232 -0.318 -0.283 -0.603 -0.184 0.788 -0.219 -1.15   S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.43   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19	\$231	-0.241	-0.462	-0.839	-0.396	-1.085	-0.162	-0.972
S233 -0.303 -0.500 -0.861 -0.542 -1.233 -0.179 -1.36   S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.43   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19	\$232	-0.318	-0.283	-0.603	-0.184	0.788	-0.219	-1.156
S234 -0.476 -0.925 -0.592 -0.281 -1.081 -0.294 -1.12   S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.44   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   WERAGE 0.0 0.0 0.0 0.0 0.0 0.0 0.0	\$233	-0.303	-0.500	-0.861	-0.542	-1.233	-0.179	-1.361
S235 -0.311 -0.722 -0.730 -0.433 -1.264 -0.258 -1.33   S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.44   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   WERAGE 0.0 0.0 0.0 0.0 0.0 0.0	S234	-0.476	-0.925	-0.592	-0.281	-1.081	-0.294	-1.120
S236 -0.449 -1.151 -0.553 -0.275 0.439 -0.299 -1.06   S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.42   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   WERAGE 0.0 0.0 0.0 0.0 0.0 0.0	\$235	-0.311	-0.722	-0.730	-0.433	-1.264	-0.258	-1.339
S237 -0.315 -0.575 -0.717 -0.268 -1.254 -0.182 -1.38   S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.42   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   AVERAGE 0.0 0.0 0.0 0.0 0.0 0.0	\$236	-0.449	-1.151	-0.553	-0.275	0.439	-0.299	-1.065
S238 -0.426 -0.863 -0.613 -0.407 3.667 -0.286 -1.02   S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.42   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   WERAGE 0.0 0.0 0.0 0.0 0.0 0.0	\$237	-0.315	-0.575	-0.717	-0.268	-1.254	-0.182	-1.389
S239 -0.345 -0.580 -0.758 -0.241 -1.148 -0.200 -1.42   S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   AVERAGE 0.0 0.0 0.0 0.0 0.0 0.0 0.0	\$238	-0.426	-0.863	-0.613	-0.407	3.667	-0.286	-1.025
S240 -0.372 -0.863 -0.928 -0.441 3.474 -0.286 -1.19   AVERAGE 0.0 0.0 0.0 0.0 0.0 0.0	\$239	-0 3/15	-0 580	-0 758	-0.241	-1 1/8	-0.200	_1 /120
VERAGE 0.0 0.0 0.0 0.0 0.0 0.0 0.0	\$240	-0.372	-0.863	-0.928	-0.441	3.474	-0.286	-1.192
	AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV 1.0 1.0 1.0 1.0 1.0 1.0 1.0	ST DEV	1.0	1.0	1.0	1.0	1.0	1.0	1.0

	Z1	Z4	Z5	Z10	Z11
S1	-0.349	1.850	-1.044	-0.310	-0.347
S2	2.760	0.137	-0.797	-0.393	-0.465
<b>S</b> 3	-0.758	-0.486	-0.857	-0.326	-0.331
<b>S4</b>	2.767	0.448	-0.979	-0.367	-0.466
<b>S</b> 5	-0.750	-0.670	-0.818	-0.354	-0.301
<u>S6</u>	-0.357	1.128	-0.413	-0.348	-0.476
<b>S7</b>	-0.746	-0.184	-0.824	-0.347	-0.313
<u>S8</u>	-0.719	1.137	-0.583	-0.347	-0.476
<u>\$9</u>	-0.750	0.665	-0.859	-0.343	-0.320
S10	-0.761	1.180	-0.728	-0.346	-0.470
S11	-0.765	-0.061	-0.609	-0.340	-0.333
S12	0.622	0.826	-0.626	-0.355	-0.314
S13	-0.746	-0.844	-0.476	-0.341	-0.336
S14	1.230	0.788	-0.519	-0.354	-0.322
S15	-0.742	-1.104	-0.232	-0.353	-0.335
S16	1.207	0.736	-0.519	-0.387	-0.324
S17	-0.765	-0.759	-0.308	-0.334	-0.336
S18	1.319	0.647	-0.545	-0.422	-0.325
S19	-0.773	-1.019	-0.631	-0.393	-0.377
S20	0.329	-0.821	-0.749	-0.452	-0.340
S21	-0.900	-0.212	-0.850	3.448	2.450
S22	3.126	-0.849	-0.579	-0.526	-0.329
S23	-1.158	-0.340	-0.792	3.376	2.602
S24	2.578	-0.736	-0.570	-0.516	-0.327
S25	-1.070	-1.184	-0.779	3.134	2.698
S26	-0.981	0.156	-0.424	-0.494	-0.321
S27	-1.181	-0.745	-0.805	3.192	2.847
S28	-1.443	0.293	-0.510	-0.492	-0.318
S29	-1.201	0.062	-0.833	3.244	2.895
S30	-0.908	0.208	-0.620	-0.491	-0.312
S31	-0.969	-0.217	-0.676	3.318	2.756
S32	0.841	-0.193	-0.616	-0.505	2.680
S33	-0.939	-1.590	-0.422	3.338	2.660
\$34	1.369	-0.193	-0.437	-0.498	2.564
\$35	-0.946	-2.203	-0.260	3.241	2.640
S36	0.714	-0.160	-0.424	-0.514	2.662
\$37	-0.916	-2.279	-0.301	3.289	2.604
S38	1.226	-0.151	-0.476	-0.489	2.652
S39	-0.754	-2.250	-0.908	3.111	2.291
S40	-0.145	-1.873	-0.755	-0.459	2.493
S41	-0.804	0.146	0.603	-0.039	-0.333
S42	3.368	-0.028	0.625	-0.112	-0.473
S43	-0.896	-0.495	0.733	-0.049	-0.324
S44	1.908	0.656	1.213	-0.105	-0.465
S45	-0.900	-0.627	0.750	-0.070	-0.301
S46	-0.842	1.312	2.180	-0.084	-0.453

S47	-0.889	0.033	0.754	-0.070	-0.308
S48	-0.877	1.505	1.032	-0.077	-0.442
S49	-0.761	1.284	0.703	-0.061	-0.303
S50	-0.892	1.576	0.899	-0.062	-0.443
S51	-0.881	0.831	1.120	-0.054	-0.316
S52	-0.288	1.005	0.823	-0.067	-0.310
S53	-0.881	-0.297	1.170	-0.047	-0.327
S54	0.857	1.019	1.148	-0.072	-0.318
S55	-0.865	-1.269	1.400	-0.056	-0.330
S56	0.028	1.137	0.911	-0.081	-0.322
S57	-0.815	-1.227	1.340	-0.064	-0.333
S58	1.743	1.213	0.726	-0.130	-0.323
S59	0.756	-0.986	0.970	-0.049	-0.379
S60	-0.738	0.599	0.896	-0.135	-0.329
S61	-0.738	0.599	0.896	-0.135	-0.329
S62	-0.349	1.850	-1.044	-0.310	-0.347
S63	2.760	0.137	-0.797	-0.393	-0.465
S64	-0.758	-0.486	-0.857	-0.326	-0.331
S65	2.767	0.448	-0.979	-0.367	-0.466
S66	-0.750	-0.670	-0.818	-0.354	-0.301
S67	-0.357	1.128	-0.413	-0.348	-0.476
S68	-0.746	-0.184	-0.824	-0.347	-0.313
S69	-0.719	1.137	-0.583	-0.347	-0.476
S70	-0.750	0.665	-0.859	-0.343	-0.320
S71	-0.761	1.180	-0.728	-0.346	-0.470
S72	-0.765	-0.061	-0.609	-0.340	-0.333
S73	0.622	0.826	-0.626	-0.355	-0.314
S74	-0.746	-0.844	-0.476	-0.341	-0.336
S75	1.230	0.788	-0.519	-0.354	-0.322
S76	-0.742	-1.104	-0.232	-0.353	-0.335
\$77	1.207	0.736	-0.519	-0.387	-0.324
S78	-0.765	-0.759	-0.308	-0.334	-0.336
S79	1.319	0.647	-0.545	-0.422	-0.325
S80	-0.773	-1.019	-0.631	-0.393	-0.377
S81	0.329	-0.821	-0.749	-0.452	-0.340
S82	-0.900	-0.212	-0.850	3.448	2.450
S83	3.126	-0.849	-0.579	-0.526	-0.329
S84	-1.158	-0.340	-0.792	3.376	2.602
S85	2.578	-0.736	-0.570	-0.516	-0.327
S86	-1.070	-1.184	-0.779	3.134	2.698
S87	-0.981	0.156	-0.424	-0.494	-0.321
S88	-1.181	-0.745	-0.805	3.192	2.847
<u>\$89</u>	-1.443	0.293	-0.510	-0.492	-0.318
<b>S90</b>	-1.201	0.062	-0.833	3.244	2.895
S91	-0.908	0.208	-0.620	-0.491	-0.312
S92	-0.969	-0.217	-0.676	3.318	2.756
\$93	0.841	-0.193	-0.616	-0.505	2.680
S94	-0.939	-1.590	-0.422	3.338	2.660

\$95	1.369	-0.193	-0.437	-0.498	2.564
S96	-0.946	-2.203	-0.260	3.241	2.640
\$97	0.714	-0.160	-0.424	-0.514	2.662
S98	-0.916	-2.279	-0.301	3.289	2.604
S99	1.226	-0.151	-0.476	-0.489	2.652
S100	-0.754	-2.250	-0.908	3.111	2.291
S101	-0.145	-1.873	-0.755	-0.459	2.493
S102	-0.804	0.146	0.603	-0.039	-0.333
S103	3.368	-0.028	0.625	-0.112	-0.473
S104	-0.896	-0.495	0.733	-0.049	-0.324
S105	1.908	0.656	1.213	-0.105	-0.465
S106	-0.900	-0.627	0.750	-0.070	-0.301
S107	-0.842	1.312	2.180	-0.084	-0.453
S108	-0.889	0.033	0.754	-0.070	-0.308
S109	-0.877	1.505	1.032	-0.077	-0.442
S110	-0.761	1.284	0.703	-0.061	-0.303
S111	-0.892	1.576	0.899	-0.062	-0.443
S112	-0.881	0.831	1.120	-0.054	-0.316
S113	-0.288	1.005	0.823	-0.067	-0.310
S114	-0.881	-0.297	1.170	-0.047	-0.327
S115	0.857	1.019	1.148	-0.072	-0.318
S116	-0.865	-1.269	1.400	-0.056	-0.330
S117	0.028	1.137	0.911	-0.081	-0.322
S118	-0.815	-1.227	1.340	-0.064	-0.333
S119	1.743	1.213	0.726	-0.130	-0.323
S120	0.756	-0.986	0.970	-0.049	-0.379
S121	-0.738	0.599	0.896	-0.135	-0.329
S122	-0.103	0.189	1.605	0.059	-0.401
S123	-0.241	0.505	2.567	0.042	-0.492
S124	-0.596	-0.330	1.945	0.082	-0.389
S125	0.375	0.840	2.565	0.055	-0.493
S126	-0.395	-0.259	1.969	0.068	-0.378
S127	0.394	1.175	2.576	0.056	-0.491
S128	-0.145	-0.122	1.969	0.067	-0.375
S129	0.641	1.519	2.604	0.066	-0.476
S130	0.333	0.486	1.997	0.074	-0.375
S131	0.710	1.552	2.531	0.069	-0.336
\$132	0.128	0.595	2.611	0.076	-0.389
\$133	0.479	0.972	2.553	0.063	-0.345
\$134	-0.238	0.425	2.847	0.070	-0.393
\$135	0.286	0.873	2.738	0.067	-0.347
\$136	-0.022	-1.462	2.820	0.061	-0.397
\$137	0.356	1.019	2.785	0.064	-0.350
S138	0.336	-1.529	2.539	0.074	-0.406
S139	0.371	0.972	2.634	0.031	-0.356
S140	-0.184	-0.703	2.113	0.063	-0.423
S141	-0.415	-0.325	2.029	0.028	-0.350
S142	0.571	1.340	-0.215	-0.314	-0.362

\$143 0.283 1.552 -0.097 -0.367 -0.476   \$144 0.140 0.481 -0.349 -0.319 -0.356   \$145 0.521 1.321 0.067 -0.353 -0.494   \$146 -0.157 -0.476 -0.096 -0.344 -0.346   \$148 0.009 0.203 -0.092 -0.331 -0.498   \$148 0.009 0.203 -0.092 -0.341 -0.344   \$149 0.883 2.307 0.448 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.326 -0.349   \$155 0.662 -0.118 0.776 -0.384 -0.344   \$157 0.672 1.854 0.616 -0.364 -0.						
\$144 0.140 0.481 -0.349 -0.319 -0.356   \$145 0.521 1.321 0.067 -0.353 -0.494   \$146 -0.157 -0.476 -0.096 -0.344 -0.346   \$147 0.799 2.222 0.507 -0.335 -0.498   \$148 0.009 0.203 -0.092 -0.341 -0.344   \$149 0.883 2.307 0.448 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.332 -0.346   \$155 0.645 1.741 0.474 -0.338 -0.354   \$155 0.665 1.701 -0.047 -0.358 -0.399   \$160 0.456 0.170 -0.047 -0.358 -0.3	S143	0.283	1.552	-0.097	-0.367	-0.476
\$145 0.521 1.321 0.067 -0.353 -0.494   \$146 -0.157 -0.476 -0.096 -0.344 -0.346   \$147 0.799 2.222 0.507 -0.335 -0.498   \$148 0.009 0.203 -0.092 -0.341 -0.344   \$149 0.883 2.307 0.448 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.340   \$155 0.645 1.741 0.474 -0.336 -0.340   \$155 0.645 1.741 0.474 -0.338 -0.354   \$155 0.645 1.741 0.474 -0.358 -0.399   \$156 0.652 -0.118 0.786 -0.339 -0.340   \$157 0.672 1.864 0.616 -0.368 -0.399	S144	0.140	0.481	-0.349	-0.319	-0.356
S146 -0.157 -0.476 -0.096 -0.344 -0.346   S147 0.799 2.222 0.507 -0.335 -0.498   S148 0.009 0.203 -0.092 -0.341 -0.344   S149 0.883 2.307 0.448 -0.330 -0.505   S150 0.514 1.661 -0.124 -0.327 -0.471   S152 0.163 1.859 0.435 -0.326 -0.340   S155 0.645 1.741 0.647 -0.332 -0.346   S155 0.645 1.741 0.474 -0.336 -0.349   S156 0.652 -0.118 0.786 -0.390 -0.349   S156 0.652 -0.118 0.786 -0.390 -0.349   S156 0.652 -0.118 0.786 -0.390 -0.349   S156 0.666 1.803 0.629 -0.390 -0.349   S160 0.456 0.170 -0.047 -0.358 -0.	S145	0.521	1.321	0.067	-0.353	-0.494
\$147 0.799 2.222 0.507 -0.335 -0.498   \$148 0.009 0.203 -0.092 -0.341 -0.344   \$149 0.883 2.307 0.448 -0.330 -0.505   \$150 0.514 1.661 -0.124 -0.327 -0.471   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$155 0.645 1.741 0.474 -0.336 -0.349   \$155 0.645 1.741 0.474 -0.338 -0.354   \$155 0.666 1.803 0.629 -0.390 -0.349   \$156 0.652 -0.118 0.786 -0.393 -0.349   \$156 0.606 1.803 0.629 -0.322 -0.325   \$155 0.606 1.803 0.629 -0.322 -0.328 <td>S146</td> <td>-0.157</td> <td>-0.476</td> <td>-0.096</td> <td>-0.344</td> <td>-0.346</td>	S146	-0.157	-0.476	-0.096	-0.344	-0.346
\$148 0.009 0.203 -0.092 -0.341 -0.344   \$149 0.883 2.307 0.448 -0.330 -0.505   \$150 0.514 1.661 -0.124 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.336 -0.349   \$155 0.645 1.741 0.474 -0.338 -0.354   \$155 0.645 1.741 0.474 -0.338 -0.349   \$156 0.652 -0.118 0.786 -0.338 -0.349   \$155 0.665 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.325   \$161 0.144 -0.830 0.380 -0.421 0.588<	S147	0.799	2.222	0.507	-0.335	-0.498
\$149 0.883 2.307 0.448 -0.330 -0.505   \$150 0.514 1.661 -0.124 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.332 -0.346   \$155 0.645 1.741 0.474 -0.336 -0.349   \$156 0.652 -0.118 0.786 -0.338 -0.354   \$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 -0.341 0.658	S148	0.009	0.203	-0.092	-0.341	-0.344
\$150 0.514 1.661 -0.124 -0.332 -0.337   \$151 0.999 2.340 0.242 -0.327 -0.471   \$152 0.163 1.859 0.435 -0.326 -0.340   \$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.332 -0.346   \$155 0.645 1.741 0.474 -0.336 -0.349   \$156 0.652 -0.118 0.786 -0.338 -0.354   \$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.325 <td>S149</td> <td>0.883</td> <td>2.307</td> <td>0.448</td> <td>-0.330</td> <td>-0.505</td>	S149	0.883	2.307	0.448	-0.330	-0.505
S151 0.999 2.340 0.242 -0.327 -0.471   S152 0.163 1.859 0.435 -0.326 -0.340   S153 0.853 1.878 0.240 -0.333 -0.343   S154 0.140 -0.042 0.647 -0.332 -0.346   S155 0.645 1.741 0.474 -0.336 -0.349   S156 0.652 -0.118 0.786 -0.338 -0.354   S157 0.672 1.864 0.616 -0.364 -0.354   S158 1.321 0.472 1.452 0.121 0.059   S159 0.606 1.803 0.629 -0.390 -0.349   S160 0.456 0.170 -0.047 -0.358 -0.393   S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461 <td>S150</td> <td>0.514</td> <td>1.661</td> <td>-0.124</td> <td>-0.332</td> <td>-0.337</td>	S150	0.514	1.661	-0.124	-0.332	-0.337
S152 0.163 1.859 0.435 -0.326 -0.340   S153 0.853 1.878 0.240 -0.333 -0.343   S154 0.140 -0.042 0.647 -0.332 -0.346   S155 0.645 1.741 0.474 -0.336 -0.349   S156 0.652 -0.118 0.786 -0.338 -0.354   S157 0.672 1.864 0.616 -0.364 -0.354   S158 1.321 0.472 1.452 0.121 0.059   S159 0.606 1.803 0.629 -0.390 -0.349   S160 0.456 0.170 -0.047 -0.358 -0.393   S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.328   S163 1.342 0.330 -0.137 -0.344 -0.461   S164 0.880 -0.547 -0.531 -0.324 -0.461<	\$151	0.999	2.340	0.242	-0.327	-0.471
\$153 0.853 1.878 0.240 -0.333 -0.343   \$154 0.140 -0.042 0.647 -0.332 -0.346   \$155 0.645 1.741 0.474 -0.336 -0.349   \$156 0.652 -0.118 0.786 -0.338 -0.354   \$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.328   \$163 1.342 0.330 -0.137 -0.394 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461<	S152	0.163	1.859	0.435	-0.326	-0.340
\$154 0.140 -0.042 0.647 -0.332 -0.346   \$155 0.645 1.741 0.474 -0.336 -0.349   \$156 0.652 -0.118 0.786 -0.338 -0.354   \$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.325   \$163 1.342 0.330 -0.137 -0.344 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461   \$166 0.679 0.217 -0.370 -0.344 -0.312	S153	0.853	1.878	0.240	-0.333	-0.343
S155 0.645 1.741 0.474 -0.336 -0.349   S156 0.652 -0.118 0.786 -0.338 -0.354   S157 0.672 1.864 0.616 -0.364 -0.354   S158 1.321 0.472 1.452 0.121 0.059   S159 0.606 1.803 0.629 -0.390 -0.349   S160 0.456 0.170 -0.047 -0.358 -0.393   S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.325   S163 1.342 0.330 -0.137 -0.394 -0.461   S164 0.880 -0.547 -0.531 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461   S165 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.464<	S154	0.140	-0.042	0.647	-0.332	-0.346
\$1156 0.652 -0.118 0.786 -0.338 -0.354   \$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.325   \$163 1.342 0.330 -0.137 -0.394 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461   \$165 1.180 0.647 0.242 -0.344 -0.316   \$165 1.754 1.887 0.304 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.333	S155	0.645	1.741	0.474	-0.336	-0.349
\$157 0.672 1.864 0.616 -0.364 -0.354   \$158 1.321 0.472 1.452 0.121 0.059   \$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.325   \$163 1.342 0.330 -0.137 -0.394 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461   \$166 0.679 -0.217 -0.387 -0.344 -0.316   \$167 1.292 1.435 0.444 -0.360 -0.461   \$168 0.679 0.326 -0.370 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.30	S156	0.652	-0.118	0.786	-0.338	-0.354
S158 1.321 0.472 1.452 0.121 0.059   S159 0.606 1.803 0.629 -0.390 -0.349   S160 0.456 0.170 -0.047 -0.358 -0.393   S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.325   S163 1.342 0.330 -0.137 -0.394 -0.461   S164 0.880 -0.547 -0.531 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461   S166 0.679 -0.217 -0.387 -0.314 -0.316   S167 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.464   S170 0.937 1.368 -0.241 -0.340 -0.303   S171 1.820 2.020 0.196 -0.343 -0.45	S157	0.672	1.864	0.616	-0.364	-0.354
\$159 0.606 1.803 0.629 -0.390 -0.349   \$160 0.456 0.170 -0.047 -0.358 -0.393   \$161 0.144 -0.830 0.380 -0.421 0.658   \$162 1.199 0.831 -0.609 -0.322 -0.325   \$163 1.342 0.330 -0.137 -0.394 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461   \$166 0.679 -0.217 -0.387 -0.344 -0.316   \$167 1.292 1.435 0.444 -0.360 -0.461   \$168 0.679 0.326 -0.370 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.303   \$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.333 -0.	S158	1.321	0.472	1.452	0.121	0.059
S160 0.456 0.170 -0.047 -0.358 -0.393   S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.325   S163 1.342 0.330 -0.137 -0.394 -0.461   S164 0.880 -0.547 -0.531 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461   S166 0.679 -0.217 -0.387 -0.314 -0.316   S167 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.464   S170 0.937 1.368 -0.241 -0.340 -0.303   S171 1.820 2.020 0.196 -0.343 -0.452   S172 1.373 1.350 0.489 -0.337 -0.314   S173 1.758 1.543 0.097 -0.346 -0.	S159	0.606	1.803	0.629	-0.390	-0.349
S161 0.144 -0.830 0.380 -0.421 0.658   S162 1.199 0.831 -0.609 -0.322 -0.325   S163 1.342 0.330 -0.137 -0.394 -0.461   S164 0.880 -0.547 -0.531 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461   S166 0.679 -0.217 -0.387 -0.334 -0.316   S167 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.464   S170 0.937 1.368 -0.241 -0.340 -0.303   S171 1.820 2.020 0.196 -0.343 -0.452   S172 1.373 1.350 0.489 -0.337 -0.314   S173 1.758 1.543 0.097 -0.346 -0.396   S174 1.234 -0.236 0.513 -0.333 -0.	S160	0.456	0.170	-0.047	-0.358	-0.393
S162 1.199 0.831 -0.609 -0.322 -0.325   S163 1.342 0.330 -0.137 -0.394 -0.461   S164 0.880 -0.547 -0.531 -0.322 -0.328   S165 1.180 0.647 0.242 -0.385 -0.461   S166 0.679 -0.217 -0.387 -0.334 -0.316   S167 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.312   S169 1.754 1.887 0.304 -0.344 -0.464   S170 0.937 1.368 -0.241 -0.340 -0.303   S171 1.820 2.020 0.196 -0.343 -0.452   S172 1.373 1.350 0.489 -0.337 -0.314   S173 1.758 1.543 0.097 -0.346 -0.396   S174 1.234 -0.236 0.513 -0.333 -0.	S161	0.144	-0.830	0.380	-0.421	0.658
\$163 1.342 0.330 -0.137 -0.394 -0.461   \$164 0.880 -0.547 -0.531 -0.322 -0.328   \$165 1.180 0.647 0.242 -0.385 -0.461   \$166 0.679 -0.217 -0.387 -0.334 -0.316   \$167 1.292 1.435 0.444 -0.360 -0.461   \$168 0.679 0.326 -0.370 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.303   \$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.331   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.	S162	1.199	0.831	-0.609	-0.322	-0.325
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\$1651.1800.6470.242-0.385-0.461\$1660.679-0.217-0.387-0.334-0.316\$1671.2921.4350.444-0.360-0.461\$1680.6790.326-0.370-0.344-0.312\$1691.7541.8870.304-0.344-0.464\$1700.9371.368-0.241-0.340-0.303\$1711.8202.0200.196-0.343-0.452\$1721.3731.3500.489-0.337-0.314\$1731.7581.5430.097-0.346-0.396\$1741.234-0.2360.513-0.333-0.333\$1751.5421.4440.110-0.346-0.315\$1761.469-0.6130.625-0.334-0.327\$1781.5350.1370.534-0.333-0.327\$1781.5350.1370.534-0.333-0.326\$1801.3151.4390.147-0.344-0.361\$1810.1011.491-0.349-0.414-0.338\$182-0.469-0.656-0.911-0.380-0.382\$183-0.276-0.623-0.797-0.374-0.375\$184-0.484-0.703-0.797-0.374-0.375\$185-0.222-0.269-0.555-0.390-0.448\$187-0.149-0.160-0.480-0.385-0.448\$188-0.496-0.882	S164	0.880	-0.547	-0.531	-0.322	-0.328
S166 0.679 -0.217 -0.387 -0.334 -0.316   S167 1.292 1.435 0.444 -0.360 -0.461   S168 0.679 0.326 -0.370 -0.344 -0.312   S169 1.754 1.887 0.304 -0.344 -0.464   S170 0.937 1.368 -0.241 -0.340 -0.303   S171 1.820 2.020 0.196 -0.343 -0.452   S172 1.373 1.350 0.489 -0.337 -0.314   S173 1.758 1.543 0.097 -0.346 -0.396   S174 1.234 -0.236 0.513 -0.333 -0.333   S175 1.542 1.444 0.110 -0.346 -0.315   S176 1.469 -0.613 0.625 -0.334 -0.331   S177 1.515 1.505 0.194 -0.363 -0.327   S178 1.535 0.137 0.534 -0.333 -0.326	S165	1.180	0.647	0.242	-0.385	-0.461
\$1671.2921.4350.444-0.360-0.461\$1680.6790.326-0.370-0.344-0.312\$1691.7541.8870.304-0.344-0.464\$1700.9371.368-0.241-0.340-0.303\$1711.8202.0200.196-0.343-0.452\$1721.3731.3500.489-0.337-0.314\$1731.7581.5430.097-0.346-0.396\$1741.234-0.2360.513-0.333-0.333\$1751.5421.4440.110-0.346-0.315\$1761.469-0.6130.625-0.334-0.331\$1771.5151.5050.194-0.363-0.327\$1781.5350.1370.534-0.333-0.339\$1791.4921.6420.438-0.382-0.326\$1801.3151.4390.147-0.344-0.361\$1810.1011.491-0.349-0.414-0.338\$182-0.469-0.656-0.911-0.380-0.382\$183-0.276-0.623-0.796-0.418-0.451\$184-0.484-0.703-0.797-0.374-0.375\$185-0.222-0.269-0.555-0.390-0.457\$186-0.488-0.953-0.792-0.386-0.358\$187-0.149-0.160-0.480-0.385-0.448\$188-0.496-0.88	S166	0.679	-0.217	-0.387	-0.334	-0.316
\$168 0.679 0.326 -0.370 -0.344 -0.312   \$169 1.754 1.887 0.304 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.303   \$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.338   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361 </td <td>S167</td> <td>1.292</td> <td>1.435</td> <td>0.444</td> <td>-0.360</td> <td>-0.461</td>	S167	1.292	1.435	0.444	-0.360	-0.461
\$169 1.754 1.887 0.304 -0.344 -0.464   \$170 0.937 1.368 -0.241 -0.340 -0.303   \$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.326 5180   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382<	S168	0.679	0.326	-0.370	-0.344	-0.312
\$170 0.937 1.368 -0.241 -0.340 -0.303   \$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.388   \$182 -0.469 -0.656 -0.911 -0.380 -0.37	S169	1.754	1.887	0.304	-0.344	-0.464
\$171 1.820 2.020 0.196 -0.343 -0.452   \$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.326 5180   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.797 -0.418 -0.45	S170	0.937	1.368	-0.241	-0.340	-0.303
\$172 1.373 1.350 0.489 -0.337 -0.314   \$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.326 5180   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.451   \$183 -0.276 -0.623 -0.796 -0.418 -0.45	S171	1.820	2.020	0.196	-0.343	-0.452
\$173 1.758 1.543 0.097 -0.346 -0.396   \$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 <	S172	1.373	1.350	0.489	-0.337	-0.314
\$174 1.234 -0.236 0.513 -0.333 -0.333   \$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.329   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386	S173	1.758	1.543	0.097	-0.346	-0.396
\$175 1.542 1.444 0.110 -0.346 -0.315   \$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$184 -0.484 -0.703 -0.792 -0.386 -0.358   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386	S174	1.234	-0.236	0.513	-0.333	-0.333
\$176 1.469 -0.613 0.625 -0.334 -0.331   \$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393	S175	1.542	1.444	0.110	-0.346	-0.315
\$177 1.515 1.505 0.194 -0.363 -0.327   \$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380	S176	1.469	-0.613	0.625	-0.334	-0.331
\$178 1.535 0.137 0.534 -0.333 -0.339   \$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 <td>S177</td> <td>1.515</td> <td>1.505</td> <td>0.194</td> <td>-0.363</td> <td>-0.327</td>	S177	1.515	1.505	0.194	-0.363	-0.327
\$179 1.492 1.642 0.438 -0.382 -0.326   \$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 -0.471	S178	1.535	0.137	0.534	-0.333	-0.339
\$180 1.315 1.439 0.147 -0.344 -0.361   \$181 0.101 1.491 -0.349 -0.414 -0.338   \$182 -0.469 -0.656 -0.911 -0.380 -0.382   \$183 -0.276 -0.623 -0.796 -0.418 -0.451   \$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 -0.471   \$190 -0.342 -0.401 -0.768 -0.387 -0.350	S179	1.492	1.642	0.438	-0.382	-0.326
S181 0.101 1.491 -0.349 -0.414 -0.338   S182 -0.469 -0.656 -0.911 -0.380 -0.382   S183 -0.276 -0.623 -0.796 -0.418 -0.451   S184 -0.484 -0.703 -0.797 -0.374 -0.375   S185 -0.222 -0.269 -0.555 -0.390 -0.457   S186 -0.488 -0.953 -0.792 -0.386 -0.358   S187 -0.149 -0.160 -0.480 -0.385 -0.448   S188 -0.496 -0.882 -0.781 -0.393 -0.353   S189 -0.083 0.080 -0.405 -0.380 -0.471   S190 -0.342 -0.401 -0.768 -0.387 -0.350	S180	1.315	1.439	0.147	-0.344	-0.361
S182 -0.469 -0.656 -0.911 -0.380 -0.382   S183 -0.276 -0.623 -0.796 -0.418 -0.451   S184 -0.484 -0.703 -0.797 -0.374 -0.375   S185 -0.222 -0.269 -0.555 -0.390 -0.457   S186 -0.488 -0.953 -0.792 -0.386 -0.358   S187 -0.149 -0.160 -0.480 -0.385 -0.448   S188 -0.496 -0.882 -0.781 -0.393 -0.353   S189 -0.083 0.080 -0.405 -0.380 -0.471   S190 -0.342 -0.401 -0.768 -0.387 -0.350	S181	0.101	1.491	-0.349	-0.414	-0.338
S183 -0.276 -0.623 -0.796 -0.418 -0.451   S184 -0.484 -0.703 -0.797 -0.374 -0.375   S185 -0.222 -0.269 -0.555 -0.390 -0.457   S186 -0.488 -0.953 -0.792 -0.386 -0.358   S187 -0.149 -0.160 -0.480 -0.385 -0.448   S188 -0.496 -0.882 -0.781 -0.393 -0.353   S189 -0.083 0.080 -0.405 -0.380 -0.471   S190 -0.342 -0.401 -0.768 -0.387 -0.350	S182	-0.469	-0.656	-0.911	-0.380	-0.382
\$184 -0.484 -0.703 -0.797 -0.374 -0.375   \$185 -0.222 -0.269 -0.555 -0.390 -0.457   \$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 -0.471   \$190 -0.342 -0.401 -0.768 -0.387 -0.350	S183	-0.276	-0.623	-0.796	-0.418	-0.451
S185 -0.222 -0.269 -0.555 -0.390 -0.457   S186 -0.488 -0.953 -0.792 -0.386 -0.358   S187 -0.149 -0.160 -0.480 -0.385 -0.448   S188 -0.496 -0.882 -0.781 -0.393 -0.353   S189 -0.083 0.080 -0.405 -0.380 -0.471   S190 -0.342 -0.401 -0.768 -0.387 -0.350	S184	-0.484	-0.703	-0.797	-0.374	-0.375
\$186 -0.488 -0.953 -0.792 -0.386 -0.358   \$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 -0.471   \$190 -0.342 -0.401 -0.768 -0.387 -0.350	S185	-0.222	-0.269	-0.555	-0.390	-0.457
\$187 -0.149 -0.160 -0.480 -0.385 -0.448   \$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$189 -0.083 0.080 -0.405 -0.380 -0.471   \$190 -0.342 -0.401 -0.768 -0.387 -0.350	S186	-0.488	-0.953	-0.792	-0.386	-0.358
\$\$188 -0.496 -0.882 -0.781 -0.393 -0.353   \$\$189 -0.083 0.080 -0.405 -0.380 -0.471   \$\$190 -0.342 -0.401 -0.768 -0.387 -0.350	S187	-0.149	-0.160	-0.480	-0.385	-0.448
\$189 -0.083 0.080 -0.405 -0.380 -0.471   \$190 -0.342 -0.401 -0.768 -0.387 -0.350	S188	-0.496	-0.882	-0.781	-0.393	-0.353
S190 -0.342 -0.401 -0.768 -0.387 -0.350	S189	-0.083	0.080	-0.405	-0.380	-0.471
	S190	-0.342	-0.401	-0.768	-0.387	-0.350

S191	-0.083	0.066	-0.620	-0.381	-0.475
S192	-0.330	-0.047	-0.573	-0.372	-0.355
S193	-0.164	-0.170	-0.536	-0.388	-0.357
S194	-0.342	-0.226	-0.467	-0.380	-0.362
S195	-0.168	-0.179	-0.532	-0.390	-0.356
S196	-0.334	-0.972	-0.443	-0.390	-0.366
S197	-0.211	-0.113	-0.529	-0.391	-0.364
S198	-0.422	-1.094	-0.480	-0.378	-0.373
S199	-0.214	-0.085	-0.484	-0.403	-0.364
S200	-0.446	-1.052	-0.657	-0.391	-0.405
S201	-0.415	-0.170	-0.790	-0.419	-0.367
S202	-0.607	-0.953	-1.061	-0.432	-0.421
S203	-0.638	-0.774	-0.863	-0.474	-0.482
S204	-0.700	-1.184	-1.081	-0.433	-0.421
S205	-0.569	-0.684	-0.829	-0.465	-0.490
S206	-0.723	-1.264	-0.788	-0.444	-0.412
S207	-0.484	-0.590	-0.745	-0.448	-0.486
S208	-0.788	-1.165	-0.945	-0.451	-0.405
S209	-0.580	-0.505	-0.747	-0.440	-0.484
S210	-0.711	-0.698	-0.975	-0.447	-0.403
S211	-0.315	-0.519	-0.758	-0.441	-0.496
S212	-0.630	-0.575	-0.898	-0.445	-0.407
S213	-0.457	-0.561	-0.747	-0.442	-0.406
S214	-0.654	-0.863	-0.676	-0.440	-0.410
S215	-0.530	-0.623	-0.906	-0.442	-0.407
S216	-0.711	-1.278	-0.689	-0.442	-0.413
S217	-0.511	-0.575	-0.876	-0.461	-0.408
S218	-0.654	-1.278	-0.755	-0.445	-0.418
S219	-0.503	-0.472	-0.697	-0.476	-0.410
S220	0.148	-1.165	-0.844	-0.438	-0.429
S221	-0.515	-0.684	-0.820	-0.472	-0.428
S222	-0.526	-0.679	-0.949	-0.403	-0.410
S223	-0.411	-1.043	-0.932	-0.453	-0.500
S224	-0.654	-0.873	-0.893	-0.405	-0.389
S225	-0.399	-0.698	-0.812	-0.419	-0.485
S226	-0.654	-0.896	-0.835	-0.418	-0.387
S227	-0.334	-0.538	-0.721	-0.416	-0.499
S228	-0.646	-0.717	-0.850	-0.423	-0.384
S229	-0.299	-0.457	-0.773	-0.418	-0.494
S230	-0.480	-0.330	-0.846	-0.419	-0.380
\$231	-0.241	-0.462	-0.839	-0.416	-0.425
\$232	-0.318	-0.283	-0.603	-0.413	-0.379
S233	-0.303	-0.500	-0.861	-0.417	-0.387
\$234	-0.476	-0.925	-0.592	-0.415	-0.382
\$235	-0.311	-0.722	-0.730	-0.432	-0.389
S236	-0.449	-1.151	-0.553	-0.420	-0.387
S237	-0.315	-0.575	-0.717	-0.440	-0.403
S238	-0.426	-0.863	-0.613	-0.420	-0.393

S239	-0.345	-0.580	-0.758	-0.443	-0.394
S240	-0.372	-0.863	-0.928	-0.420	-0.314
AVERAGE	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0

MEAN AND STANDARD DEVIATION LEVEL 7

	Z1	Z6	Z7	Z8	Z9
S1	-0.349	-0.768	0.405	-0.727	-0.504
S2	2.760	-0.791	-0.424	0.021	-0.777
<b>S</b> 3	-0.758	-0.772	0.434	-0.716	-0.513
<b>S</b> 4	2.767	-0.604	1.101	-0.017	-0.808
<b>S</b> 5	-0.750	-0.727	0.097	-0.730	-0.489
<b>S6</b>	-0.357	-0.532	1.324	0.094	-0.678
<b>S7</b>	-0.746	-0.647	0.003	-0.739	-0.425
<b>S8</b>	-0.719	-0.583	1.475	-0.041	-0.363
<mark>S</mark> 9	-0.750	-0.621	-0.445	-0.733	-0.497
S10	-0.761	-0.593	1.629	-0.340	-0.236
S11	-0.765	-0.606	0.416	0.150	-0.223
S12	0.622	-0.600	1.478	-0.430	-0.188
S13	-0.746	-0.610	0.667	0.145	-0.142
S14	1.230	-0.602	1.536	-0.081	-0.470
S15	-0.742	-0.600	0.229	0.229	0.027
S16	1.207	-0.627	1.475	0.024	-0.626
S17	-0.765	-0.653	-0.470	0.028	-0.061
S18	1.319	-0.710	1.119	-0.043	-0.739
S19	-0.773	-0.670	-0.004	-0.291	-0.658
S20	0.329	-0.804	-0.427	-0.211	-0.789
S21	-0.900	-0.712	-0.639	-0.694	-0.986
S22	3.126	-0.615	-1.665	-0.429	-0.838

\$23	-1.158	-0.693	-0.700	-0.693	-0.929
\$24	2.578	-0.532	-1.328	-0.436	-0.875
\$25	-1.070	-0.708	-0.689	-0.704	-0.932
\$26	-0.981	-0.504	-0.086	-0.433	-0.887
\$27	-1.181	-0.598	-0.481	-0.736	-0.923
S28	-1.443	-0.525	-0.291	-0.353	-0.690
S29	-1.201	-0.574	0.412	-0.741	-0.972
S30	-0.908	-0.489	-0.015	-0.606	-0.453
\$31	-0.969	-0.525	0.366	0.192	-0.585
\$32	0.841	-0.525	-0.004	-0.629	-0.276
\$33	-0.939	-0.502	-0.226	0.339	-0.479
\$34	1.369	-0.527	0.025	-0.261	-0.279
\$35	-0.946	-0.517	-0.359	0.104	-0.419
\$36	0.714	-0.510	0.301	-0.348	-0.380
\$37	-0.916	-0.598	-0.173	-0.001	-0.505
S38	1.226	-0.598	-0.553	-0.407	-0.729
S39	-0.754	-0.729	-0.137	-0.296	-1.120
S40	-0.145	-0.732	-1.949	-0.144	-1.091
S41	-0.804	1.086	0.305	0.050	0.506
S42	3.368	1.131	-0.460	0.510	0.449
\$43	-0.896	1.101	0.427	0.037	0.541
S44	1.908	1.099	1.259	0.627	0.442
S45	-0.900	1.160	0.330	0.028	0.548
S46	-0.842	1.162	1.482	0.809	0.510
S47	-0.889	1.184	0.696	6.841	0.579
S48	-0.877	1.269	1.712	0.803	0.621
S49	-0.761	1.203	1.676	6.439	0.547
S50	-0.892	1.258	1.834	0.725	0.580
S51	-0.881	1.275	1.625	0.897	0.791
S52	-0.288	1.190	1.582	0.643	0.484
S53	-0.881	1.273	0.944	0.907	0.874
S54	0.857	1.264	1.722	0.133	0.573
S55	-0.865	1.228	0.172	0.736	1.063
S56	0.028	1.235	1.087	0.827	0.431
S57	-0.815	1.173	0.204	0.674	0.957
S58	1.743	1.148	1.274	0.661	0.284
S59	0.756	1.060	0.305	0.440	0.539
S60	-0.738	1.050	-0.036	0.443	0.354
S61	-0.738	1.050	-0.036	0.443	0.354
S62	-0.349	-0.768	0.405	-0.727	-0.504
S63	2.760	-0.791	-0.424	0.021	-0.777
\$64	-0.758	-0.772	0.434	-0.716	-0.513
\$65	2.767	-0.604	1.101	-0.017	-0.808
\$66	-0.750	-0.727	0.097	-0.730	-0.489
\$67	-0.357	-0.532	1.324	0.094	-0.678
S68	-0.746	-0.647	0.003	-0.739	-0.425
S69	-0.719	-0.583	1.475	-0.041	-0.363
\$70	-0.750	-0.621	-0.445	-0.733	-0.497
0,0					

S71	-0.761	-0.593	1.629	-0.340	-0.236
S72	-0.765	-0.606	0.416	0.150	-0.223
\$73	0.622	-0.600	1.478	-0.430	-0.188
S74	-0.746	-0.610	0.667	0.145	-0.142
S75	1.230	-0.602	1.536	-0.081	-0.470
\$76	-0.742	-0.600	0.229	0.229	0.027
S77	1.207	-0.627	1.475	0.024	-0.626
S78	-0.765	-0.653	-0.470	0.028	-0.061
S79	1.319	-0.710	1.119	-0.043	-0.739
S80	-0.773	-0.670	-0.004	-0.291	-0.658
S81	0.329	-0.804	-0.427	-0.211	-0.789
S82	-0.900	-0.712	-0.639	-0.694	-0.986
S83	3.126	-0.615	-1.665	-0.429	-0.838
S84	-1.158	-0.693	-0.700	-0.693	-0.929
S85	2.578	-0.532	-1.328	-0.436	-0.875
S86	-1.070	-0.708	-0.689	-0.704	-0.932
S87	-0.981	-0.504	-0.086	-0.433	-0.887
S88	-1.181	-0.598	-0.481	-0.736	-0.923
S89	-1.443	-0.525	-0.291	-0.353	-0.690
<b>S90</b>	-1.201	-0.574	0.412	-0.741	-0.972
S91	-0.908	-0.489	-0.015	-0.606	-0.453
S92	-0.969	-0.525	0.366	0.192	-0.585
<b>S93</b>	0.841	-0.525	-0.004	-0.629	-0.276
S94	-0.939	-0.502	-0.226	0.339	-0.479
S95	1.369	-0.527	0.025	-0.261	-0.279
S96	-0.946	-0.517	-0.359	0.104	-0.419
S97	0.714	-0.510	0.301	-0.348	-0.380
<mark>\$98</mark>	-0.916	-0.598	-0.173	-0.001	-0.505
S99	1.226	-0.598	-0.553	-0.407	-0.729
S100	-0.754	-0.729	-0.137	-0.296	-1.120
S101	-0.145	-0.732	-1.949	-0.144	-1.091
S102	-0.804	1.086	0.305	0.050	0.506
S103	3.368	1.131	-0.460	0.510	0.449
S104	-0.896	1.101	0.427	0.037	0.541
S105	1.908	1.099	1.259	0.627	0.442
S106	-0.900	1.160	0.330	0.028	0.548
S107	-0.842	1.162	1.482	0.809	0.510
S108	-0.889	1.184	0.696	6.841	0.579
S109	-0.877	1.269	1.712	0.803	0.621
S110	-0.761	1.203	1.676	6.439	0.547
S111	-0.892	1.258	1.834	0.725	0.580
S112	-0.881	1.275	1.625	0.897	0.791
S113	-0.288	1.190	1.582	0.643	0.484
S114	-0.881	1.273	0.944	0.907	0.874
S115	0.857	1.264	1.722	0.133	0.573
S116	-0.865	1.228	0.172	0.736	1.063
S117	0.028	1.235	1.087	0.827	0.431
S118	-0.815	1.173	0.204	0.674	0.957

S119	1.743	1.148	1.274	0.661	0.284
S120	0.756	1.060	0.305	0.440	0.539
S121	-0.738	1.050	-0.036	0.443	0.354
S122	-0.103	2.164	-0.869	0.427	0.889
S123	-0.241	2.242	2.584	0.887	0.917
S124	-0.596	2.308	-1.910	0.436	0.243
\$125	0.375	2.385	1.765	0.828	0.894
S126	-0.395	2.510	-2.089	0.418	1.012
S127	0.394	2.587	-0.259	0.942	0.911
S128	-0.145	2.606	-1.899	0.417	1.012
S129	0.641	2.523	-1.102	0.959	1.177
S130	0.333	2.646	-0.697	0.564	1.033
S131	0.710	2.612	-0.754	0.964	1.374
S132	0.128	2.742	-0.976	0.944	1.175
S133	0.479	2.676	-0.219	0.833	1.383
\$134	-0.238	2.750	-1.020	0.975	1.379
\$135	0.286	2.168	0.186	0.910	1.290
\$136	-0.022	2.574	-1.292	0.934	1.302
\$137	0.356	2.638	-0.707	0.943	1.084
\$138	0.336	2.419	-1.490	0.901	1.116
S139	0.371	2.425	-1.185	0.915	1.056
S140	-0.184	2.142	-1.371	0.798	0.749
S141	-0.415	2.132	-1.217	0.884	1.023
S142	0.571	-0.449	-0.011	-0.700	-0.539
S143	0.283	-0.574	3.075	-0.269	-0.493
S144	0.140	-0.447	-0.564	-0.707	-0.499
S145	0.521	-0.513	2.325	-0.250	-0.514
S146	-0.157	-0.215	-1.371	-0.709	-0.470
S147	0.799	-0.262	-0.025	-0.208	-0.561
S148	0.009	-0.181	-1.608	-0.724	-0.442
S149	0.883	-0.115	-0.951	-0.194	-0.381
S150	0.514	-0.077	-1.533	-0.614	-0.398
S151	0.999	0.012	-0.894	-0.328	-0.103
S152	0.163	0.000	-1.479	-0.152	-0.068
S153	0.853	0.034	0.621	-0.239	-0.383
S154	0.140	0.032	-1.551	-0.149	-0.051
\$155	0.645	-0.017	0.599	-0.168	-0.236
\$156	0.652	0.049	-1.210	-0.160	-0.082
S157	0.672	0.008	0.577	-0.146	-0.568
S158	1.321	0.625	0.973	-0.053	0.346
S159	0.606	-0.070	0.061	-0.183	-0.696
S160	0.456	-0.411	0.674	-0.312	-0.287
S161	0.144	-0.549	-0.366	-0.194	-0.728
S162	1.199	-0.598	-0.779	-0.709	-0.626
S163	1.342	-0.519	-0.643	-0.402	-0.558
S164	0.880	-0.523	-1.335	-0.700	-0.563
S165	1.180	-0.466	2.060	-0.272	-0.540
S166	0.679	-0.255	-1.407	-0.709	-0.542

S167	1.292	-0.330	-0.600	-0.196	-0.488
S168	0.679	-0.313	-1.917	-0.709	-0.476
S169	1.754	-0.132	-0.919	-0.194	-0.209
S170	0.937	-0.104	-1.920	-0.678	-0.443
S171	1.820	0.010	-0.743	-0.187	-0.190
S172	1.373	-0.009	-1.935	-0.365	-0.388
S173	1.758	0.004	0.298	-0.189	-0.129
S174	1.234	0.036	-1.935	-0.088	-0.102
S175	1.542	-0.039	0.193	-0.160	-0.230
S176	1.469	-0.056	-1.823	-0.157	-0.338
S177	1.515	-0.092	0.574	-0.165	-0.291
S178	1.535	-0.213	-1.002	-0.201	-0.305
S179	1.492	-0.251	-1.037	-0.202	-0.423
S180	1.315	-0.455	0.337	-0.221	-0.770
S181	0.101	-0.400	-0.833	-0.209	-0.287
S182	-0.469	-0.727	-0.402	-0.741	0.071
S183	-0.276	-0.721	-0.585	-0.344	-0.253
S184	-0.484	-0.642	-0.417	-0.723	-0.631
\$185	-0.222	-0.664	-0.560	-0.242	-0.830
S186	-0.488	-0.630	-0.524	-0.721	-1.255
S187	-0.149	-0.600	-0.043	-0.199	0.878
S188	-0.496	-0.564	-0.409	-0.743	-1.192
S189	-0.083	-0.538	0.104	-0.179	0.468
S190	-0.342	-0.595	-0.051	-0.745	-1.042
S191	-0.083	-0.493	0.373	-0.275	-0.013
S192	-0.330	-0.470	0.014	-0.279	-0.276
\$193	-0.164	-0.564	0.132	-0.283	-0.665
S194	-0.342	-0.489	-0.309	-0.130	-1.183
S195	-0.168	-0.551	0.262	-0.168	-0.608
S196	-0.334	-0.523	0.007	-0.234	-1.178
S197	-0.211	-0.581	0.208	-0.193	0.634
S198	-0.422	-0.630	0.089	-0.308	1.157
S199	-0.214	-0.649	-0.022	-0.243	2.848
\$200	-0.446	-0.721	-0.492	-0.384	1.077
\$201	-0.415	-0.691	-0.438	-0.295	1.859
\$202	-0.607	-0.829	-0.872	-0.755	1.543
\$203	-0.638	-0.783	-1.016	-0.483	-0.597
\$204	-0.700	-0.838	-0.858	-0.759	2.611
S205	-0.569	-0.819	-1.034	-0.442	-1.499
\$206	-0.723	-0.778	-0.923	-0.758	1.886
\$207	-0.484	-0.821	-0.460	-0.427	-1.321
\$208	-0.788	-0.759	-0.858	-0.742	2.116
\$209	-0.580	-0.698	-0.503	-0.412	-1.278
S210	-0.711	-0.678	-0.510	-0.735	0.814
\$211	-0.315	-0.676	-0.413	-0.454	-1.218
S212	-0.630	-0.681	-0.456	-0.274	0.520
\$213	-0.457	-0.668	-0.352	-0.412	-1.125
S214	-0.654	-0.670	-0.614	-0.296	-0.929

S215	-0.530	-0.664	-0.359	-0.307	-1.230
S216	-0.711	-0.670	-0.858	-0.393	-0.771
S217	-0.511	-0.700	-0.330	-0.348	-1.258
S218	-0.654	-0.689	-0.919	-0.469	3.264
S219	-0.503	-0.817	-0.488	-0.090	-1.088
S220	0.148	-0.632	-0.571	-0.517	3.342
S221	-0.515	-0.844	-0.718	-0.547	2.302
\$222	-0.526	-0.749	1.076	-0.720	1.996
S223	-0.411	-0.759	-1.034	-0.429	0.353
\$224	-0.654	-0.736	1.137	-0.731	2.839
S225	-0.399	-0.644	-0.811	-0.359	-0.143
S226	-0.654	-0.666	0.947	-0.742	2.852
S227	-0.334	-0.613	-0.732	-0.297	-1.316
S228	-0.646	-0.608	0.847	-0.754	3.443
S229	-0.299	-0.578	-0.366	-0.289	-1.254
S230	-0.480	-0.581	1.328	-0.759	2.268
S231	-0.241	-0.561	-0.431	-0.396	-1.085
S232	-0.318	-0.581	1.500	-0.184	0.788
S233	-0.303	-0.559	-0.381	-0.542	-1.233
S234	-0.476	-0.547	1.432	-0.281	-1.081
S235	-0.311	-0.578	-0.252	-0.433	-1.264
\$236	-0.449	-0.555	1.284	-0.275	0.439
S237	-0.315	-0.587	-0.323	-0.268	-1.254
\$238	-0.426	-0.604	1.442	-0.407	3.667
S239	-0.345	-0.655	-0.610	-0.241	-1.148
S240	-0.372	-0.672	1.324	-0.441	3.474
AVERAGE	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0
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	Z1	Z6	Z7	Z10	Z11	Z12	Z13
S1	-0.349	-0.768	0.405	-0.310	-0.347	-0.245	0.792
S2	2.760	-0.791	-0.424	-0.393	-0.465	-0.112	0.506
S3	-0.758	-0.772	0.434	-0.326	-0.331	-0.189	0.761
S4	2.767	-0.604	1.101	-0.367	-0.466	-0.083	0.427
S5	-0.750	-0.727	0.097	-0.354	-0.301	-0.121	0.637
S6	-0.357	-0.532	1.324	-0.348	-0.476	-0.043	0.508
S7	-0.746	-0.647	0.003	-0.347	-0.313	-0.181	0.392
S8	-0.719	-0.583	1.475	-0.347	-0.476	-0.038	0.575
S9	-0.750	-0.621	-0.445	-0.343	-0.320	-0.054	0.327
S10	-0.761	-0.593	1.629	-0.346	-0.470	-0.244	0.654
S11	-0.765	-0.606	0.416	-0.340	-0.333	-0.225	0.310
S12	0.622	-0.600	1.478	-0.355	-0.314	-0.167	0.377
S13	-0.746	-0.610	0.667	-0.341	-0.336	-0.234	0.489
S14	1.230	-0.602	1.536	-0.354	-0.322	-0.181	0.098
S15	-0.742	-0.600	0.229	-0.353	-0.335	-0.193	0.501
S16	1.207	-0.627	1.475	-0.387	-0.324	-0.077	0.029
S17	-0.765	-0.653	-0.470	-0.334	-0.336	-0.181	0.625
S18	1.319	-0.710	1.119	-0.422	-0.325	-0.097	0.024
S19	-0.773	-0.670	-0.004	-0.393	-0.377	-0.241	-0.085
\$20	0.329	-0.804	-0.427	-0.452	-0.340	-0.117	-0.421
\$21	-0.900	-0.712	-0.639	3.448	2.450	0.008	-0.946
\$22	3.126	-0.615	-1.665	-0.526	-0.329	-0.046	0.976
\$23	-1.158	-0.693	-0.700	3.376	2.602	0.033	-0.946
\$24	2.578	-0.532	-1.328	-0.516	-0.327	-0.030	0.887
\$25	-1.070	-0.708	-0.689	3.134	2.698	5.046	-1.234
\$26	-0.981	-0.504	-0.086	-0.494	-0.321	0.029	0.914
\$27	-1.181	-0.598	-0.481	3.192	2.847	5.741	-1.356
\$28	-1.443	-0.525	-0.291	-0.492	-0.318	0.079	0.825
\$29	-1.201	-0.574	0.412	3.244	2.895	5.775	-1.375
\$30	-0.908	-0.489	-0.015	-0.491	-0.312	0.062	0.740
\$31	-0.969	-0.525	0.366	3.318	2.756	4.690	-1.432
\$32	0.841	-0.525	-0.004	-0.505	2.680	0.049	0.341
\$33	-0.939	-0.502	-0.226	3.338	2.660	0.027	-1.378
\$34	1.369	-0.527	0.025	-0.498	2.564	0.038	0.196
\$35	-0.946	-0.517	-0.359	3.241	2.640	0.039	-1.318
\$36	0.714	-0.510	0.301	-0.514	2.662	0.052	0.287
\$37	-0.916	-0.598	-0.173	3.289	2.604	0.086	-1.227
\$38	1.226	-0.598	-0.553	-0.489	2.652	0.027	0.148
\$39	-0.754	-0.729	-0.137	3.111	2.291	0.055	-1.497
S40	-0.145	-0.732	-1.949	-0.459	2.493	-0.098	-0.061
S41	-0.804	1.086	0.305	-0.039	-0.333	-0.209	1.009
S42	3.368	1.131	-0.460	-0.112	-0.473	-0.155	1.000
\$43	-0.896	1.101	0.427	-0.049	-0.324	-0.233	0.923
S44	1.908	1.099	1.259	-0.105	-0.465	-0.063	0.873
S45	-0.900	1.160	0.330	-0.070	-0.301	-0.161	0.606
S46	-0.842	1.162	1.482	-0.084	-0.453	-0.040	0.742

S47	-0.889	1.184	0.696	-0.070	-0.308	-0.106	0.485
S48	-0.877	1.269	1.712	-0.077	-0.442	-0.017	0.642
S49	-0.761	1.203	1.676	-0.061	-0.303	-0.055	0.482
S50	-0.892	1.258	1.834	-0.062	-0.443	-0.070	0.721
S51	-0.881	1.275	1.625	-0.054	-0.316	-0.220	0.499
S52	-0.288	1.190	1.582	-0.067	-0.310	-0.097	0.132
S53	-0.881	1.273	0.944	-0.047	-0.327	-0.223	0.506
S54	0.857	1.264	1.722	-0.072	-0.318	-0.015	0.067
S55	-0.865	1.228	0.172	-0.056	-0.330	-0.207	0.649
S56	0.028	1.235	1.087	-0.081	-0.322	-0.002	-0.045
S57	-0.815	1.173	0.204	-0.064	-0.333	-0.199	0.511
S58	1.743	1.148	1.274	-0.130	-0.323	-0.072	-0.023
S59	0.756	1.060	0.305	-0.049	-0.379	-0.061	0.494
S60	-0.738	1.050	-0.036	-0.135	-0.329	-0.123	0.115
S61	-0.738	1.050	-0.036	-0.135	-0.329	-0.123	0.115
S62	-0.349	-0.768	0.405	-0.310	-0.347	-0.245	0.792
S63	2.760	-0.791	-0.424	-0.393	-0.465	-0.112	0.506
S64	-0.758	-0.772	0.434	-0.326	-0.331	-0.189	0.761
S65	2.767	-0.604	1.101	-0.367	-0.466	-0.083	0.427
S66	-0.750	-0.727	0.097	-0.354	-0.301	-0.121	0.637
S67	-0.357	-0.532	1.324	-0.348	-0.476	-0.043	0.508
S68	-0.746	-0.647	0.003	-0.347	-0.313	-0.181	0.392
S69	-0.719	-0.583	1.475	-0.347	-0.476	-0.038	0.575
S70	-0.750	-0.621	-0.445	-0.343	-0.320	-0.054	0.327
S71	-0.761	-0.593	1.629	-0.346	-0.470	-0.244	0.654
\$72	-0.765	-0.606	0.416	-0.340	-0.333	-0.225	0.310
\$73	0.622	-0.600	1.478	-0.355	-0.314	-0.167	0.377
S74	-0.746	-0.610	0.667	-0.341	-0.336	-0.234	0.489
\$75	1.230	-0.602	1.536	-0.354	-0.322	-0.181	0.098
\$76	-0.742	-0.600	0.229	-0.353	-0.335	-0.193	0.501
S77	1.207	-0.627	1.475	-0.387	-0.324	-0.077	0.029
S78	-0.765	-0.653	-0.470	-0.334	-0.336	-0.181	0.625
S79	1.319	-0.710	1.119	-0.422	-0.325	-0.097	0.024
S80	-0.773	-0.670	-0.004	-0.393	-0.377	-0.241	-0.085
S81	0.329	-0.804	-0.427	-0.452	-0.340	-0.117	-0.421
S82	-0.900	-0.712	-0.639	3.448	2.450	0.008	-0.946
S83	3.126	-0.615	-1.665	-0.526	-0.329	-0.046	0.976
S84	-1.158	-0.693	-0.700	3.376	2.602	0.033	-0.946
S85	2.578	-0.532	-1.328	-0.516	-0.327	-0.030	0.887
S86	-1.070	-0.708	-0.689	3.134	2.698	5.046	-1.234
S87	-0.981	-0.504	-0.086	-0.494	-0.321	0.029	0.914
S88	-1.181	-0.598	-0.481	3.192	2.847	5.741	-1.356
<u>\$89</u>	-1.443	-0.525	-0.291	-0.492	-0.318	0.079	0.825
<mark>\$90</mark>	-1.201	-0.574	0.412	3.244	2.895	5.775	-1.375
<u>\$91</u>	-0.908	-0.489	-0.015	-0.491	-0.312	0.062	0.740
S92	-0.969	-0.525	0.366	3.318	2.756	4.690	-1.432
<mark>\$93</mark>	0.841	-0.525	-0.004	-0.505	2.680	0.049	0.341
S94	-0.939	-0.502	-0.226	3.338	2.660	0.027	-1.378

S95	1.369	-0.527	0.025	-0.498	2.564	0.038	0.196
S96	-0.946	-0.517	-0.359	3.241	2.640	0.039	-1.318
<u>\$97</u>	0.714	-0.510	0.301	-0.514	2.662	0.052	0.287
S98	-0.916	-0.598	-0.173	3.289	2.604	0.086	-1.227
<u>\$99</u>	1.226	-0.598	-0.553	-0.489	2.652	0.027	0.148
S100	-0.754	-0.729	-0.137	3.111	2.291	0.055	-1.497
S101	-0.145	-0.732	-1.949	-0.459	2.493	-0.098	-0.061
S102	-0.804	1.086	0.305	-0.039	-0.333	-0.209	1.009
S103	3.368	1.131	-0.460	-0.112	-0.473	-0.155	1.000
S104	-0.896	1.101	0.427	-0.049	-0.324	-0.233	0.923
S105	1.908	1.099	1.259	-0.105	-0.465	-0.063	0.873
S106	-0.900	1.160	0.330	-0.070	-0.301	-0.161	0.606
S107	-0.842	1.162	1.482	-0.084	-0.453	-0.040	0.742
S108	-0.889	1.184	0.696	-0.070	-0.308	-0.106	0.485
S109	-0.877	1.269	1.712	-0.077	-0.442	-0.017	0.642
S110	-0.761	1.203	1.676	-0.061	-0.303	-0.055	0.482
S111	-0.892	1.258	1.834	-0.062	-0.443	-0.070	0.721
S112	-0.881	1.275	1.625	-0.054	-0.316	-0.220	0.499
S113	-0.288	1.190	1.582	-0.067	-0.310	-0.097	0.132
S114	-0.881	1.273	0.944	-0.047	-0.327	-0.223	0.506
S115	0.857	1.264	1.722	-0.072	-0.318	-0.015	0.067
S116	-0.865	1.228	0.172	-0.056	-0.330	-0.207	0.649
S117	0.028	1.235	1.087	-0.081	-0.322	-0.002	-0.045
S118	-0.815	1.173	0.204	-0.064	-0.333	-0.199	0.511
S119	1.743	1.148	1.274	-0.130	-0.323	-0.072	-0.023
S120	0.756	1.060	0.305	-0.049	-0.379	-0.061	0.494
S121	-0.738	1.050	-0.036	-0.135	-0.329	-0.123	0.115
S122	-0.103	2.164	-0.869	0.059	-0.401	-0.270	-0.421
S123	-0.241	2.242	2.584	0.042	-0.492	-0.396	-0.679
S124	-0.596	2.308	-1.910	0.082	-0.389	-0.247	-0.307
\$125	0.375	2.385	1.765	0.055	-0.493	-0.425	-0.743
S126	-0.395	2.510	-2.089	0.068	-0.378	-0.232	-0.588
S127	0.394	2.587	-0.259	0.056	-0.491	-0.337	-0.631
S128	-0.145	2.606	-1.899	0.067	-0.375	-0.213	-0.669
S129	0.641	2.523	-1.102	0.066	-0.476	-0.234	-0.545
S130	0.333	2.646	-0.697	0.074	-0.375	-0.268	-0.741
S131	0.710	2.612	-0.754	0.069	-0.336	-0.238	-0.522
S132	0.128	2.742	-0.976	0.076	-0.389	-0.294	-0.722
S133	0.479	2.676	-0.219	0.063	-0.345	-0.323	-1.056
S134	-0.238	2.750	-1.020	0.070	-0.393	-0.305	-0.612
\$135	0.286	2.168	0.186	0.067	-0.347	-0.312	-1.218
S136	-0.022	2.574	-1.292	0.061	-0.397	-0.295	-0.724
S137	0.356	2.638	-0.707	0.064	-0.350	-0.303	-1.244
\$138	0.336	2.419	-1.490	0.074	-0.406	-0.286	-0.688
S139	0.371	2.425	-1.185	0.031	-0.356	-0.300	-0.731
S140	-0.184	2.142	-1.371	0.063	-0.423	-0.290	-0.781
S141	-0.415	2.132	-1.217	0.028	-0.350	-0.337	-1.306
S142	0.571	-0.449	-0.011	-0.314	-0.362	-0.620	-0.727

S143	0.283	-0.574	3.075	-0.367	-0.476	-0.428	-0.772
S144	0.140	-0.447	-0.564	-0.319	-0.356	-0.596	-0.679
S145	0.521	-0.513	2.325	-0.353	-0.494	-0.399	-0.603
S146	-0.157	-0.215	-1.371	-0.344	-0.346	-0.565	-0.963
S147	0.799	-0.262	-0.025	-0.335	-0.498	-0.333	-0.674
S148	0.009	-0.181	-1.608	-0.341	-0.344	-0.469	-1.089
S149	0.883	-0.115	-0.951	-0.330	-0.505	-0.306	-0.753
\$150	0.514	-0.077	-1.533	-0.332	-0.337	-0.438	-1.146
\$151	0.999	0.012	-0.894	-0.327	-0.471	-0.316	-0.827
S152	0.163	0.000	-1.479	-0.326	-0.340	-0.522	-1.201
\$153	0.853	0.034	0.621	-0.333	-0.343	-0.319	-0.967
S154	0.140	0.032	-1.551	-0.332	-0.346	-0.537	-1.125
S155	0.645	-0.017	0.599	-0.336	-0.349	-0.267	-1.330
S156	0.652	0.049	-1.210	-0.338	-0.354	-0.526	-1.022
\$157	0.672	0.008	0.577	-0.364	-0.354	-0.274	-1.268
S158	1.321	0.625	0.973	0.121	0.059	-0.284	0.651
S159	0.606	-0.070	0.061	-0.390	-0.349	-0.338	-1.285
S160	0.456	-0.411	0.674	-0.358	-0.393	-0.518	-1.194
S161	0.144	-0.549	-0.366	-0.421	0.658	-0.372	-1.795
S162	1.199	-0.598	-0.779	-0.322	-0.325	-0.234	0.837
S163	1.342	-0.519	-0.643	-0.394	-0.461	-0.147	0.811
S164	0.880	-0.523	-1.335	-0.322	-0.328	-0.237	0.871
S165	1.180	-0.466	2.060	-0.385	-0.461	-0.135	0.880
S166	0.679	-0.255	-1.407	-0.334	-0.316	-0.131	0.699
S167	1.292	-0.330	-0.600	-0.360	-0.461	-0.117	0.792
S168	0.679	-0.313	-1.917	-0.344	-0.312	-0.063	0.473
S169	1.754	-0.132	-0.919	-0.344	-0.464	-0.082	0.744
S170	0.937	-0.104	-1.920	-0.340	-0.303	-0.054	0.358
S171	1.820	0.010	-0.743	-0.343	-0.452	-0.118	0.728
S172	1.373	-0.009	-1.935	-0.337	-0.314	-0.177	0.370
S173	1.758	0.004	0.298	-0.346	-0.396	-0.112	0.523
S174	1.234	0.036	-1.935	-0.333	-0.333	-0.196	0.344
S175	1.542	-0.039	0.193	-0.346	-0.315	-0.082	0.301
S176	1.469	-0.056	-1.823	-0.334	-0.331	-0.176	0.434
S177	1.515	-0.092	0.574	-0.363	-0.327	-0.058	0.208
S178	1.535	-0.213	-1.002	-0.333	-0.339	-0.178	0.532
S179	1.492	-0.251	-1.037	-0.382	-0.326	-0.096	0.213
S180	1.315	-0.455	0.337	-0.344	-0.361	-0.210	0.573
S181	0.101	-0.400	-0.833	-0.414	-0.338	-0.143	-0.045
S182	-0.469	-0.727	-0.402	-0.380	-0.382	-0.418	3.300
S183	-0.276	-0.721	-0.585	-0.418	-0.451	-0.198	0.418
S184	-0.484	-0.642	-0.417	-0.374	-0.375	-0.368	3.424
S185	-0.222	-0.664	-0.560	-0.390	-0.457	-0.168	0.458
S186	-0.488	-0.630	-0.524	-0.386	-0.358	-0.301	3.179
S187	-0.149	-0.600	-0.043	-0.385	-0.448	-0.124	0.513
S188	-0.496	-0.564	-0.409	-0.393	-0.353	-0.179	3.062
S189	-0.083	-0.538	0.104	-0.380	-0.471	-0.081	0.313
S190	-0.342	-0.595	-0.051	-0.387	-0.350	-0.244	3.098

S191	-0.083	-0.493	0.373	-0.381	-0.475	-0.082	0.282
S192	-0.330	-0.470	0.014	-0.372	-0.355	-0.394	3.241
\$193	-0.164	-0.564	0.132	-0.388	-0.357	-0.103	-0.028
S194	-0.342	-0.489	-0.309	-0.380	-0.362	-0.379	3.226
S195	-0.168	-0.551	0.262	-0.390	-0.356	-0.097	-0.021
S196	-0.334	-0.523	0.007	-0.390	-0.366	-0.345	3.284
S197	-0.211	-0.581	0.208	-0.391	-0.364	-0.091	-0.030
S198	-0.422	-0.630	0.089	-0.378	-0.373	-0.350	2.993
S199	-0.214	-0.649	-0.022	-0.403	-0.364	-0.129	-0.014
S200	-0.446	-0.721	-0.492	-0.391	-0.405	-0.391	3.126
S201	-0.415	-0.691	-0.438	-0.419	-0.367	-0.212	-0.100
\$202	-0.607	-0.829	-0.872	-0.432	-0.421	-0.352	-0.617
S203	-0.638	-0.783	-1.016	-0.474	-0.482	-0.271	-0.097
S204	-0.700	-0.838	-0.858	-0.433	-0.421	-0.348	-0.553
\$205	-0.569	-0.819	-1.034	-0.465	-0.490	-0.258	-0.133
S206	-0.723	-0.778	-0.923	-0.444	-0.412	-0.309	-0.369
S207	-0.484	-0.821	-0.460	-0.448	-0.486	-0.202	-0.159
S208	-0.788	-0.759	-0.858	-0.451	-0.405	-0.240	-0.269
S209	-0.580	-0.698	-0.503	-0.440	-0.484	-0.237	-0.181
S210	-0.711	-0.678	-0.510	-0.447	-0.403	-0.234	-0.259
S211	-0.315	-0.676	-0.413	-0.441	-0.496	-0.280	-0.357
S212	-0.630	-0.681	-0.456	-0.445	-0.407	-0.338	-0.414
\$213	-0.457	-0.668	-0.352	-0.442	-0.406	-0.274	-0.469
S214	-0.654	-0.670	-0.614	-0.440	-0.410	-0.342	-0.314
S215	-0.530	-0.664	-0.359	-0.442	-0.407	-0.244	-0.421
\$216	-0.711	-0.670	-0.858	-0.442	-0.413	-0.346	-0.379
S217	-0.511	-0.700	-0.330	-0.461	-0.408	-0.233	-0.359
S218	-0.654	-0.689	-0.919	-0.445	-0.418	-0.335	-0.383
S219	-0.503	-0.817	-0.488	-0.476	-0.410	-0.238	-0.464
\$220	0.148	-0.632	-0.571	-0.438	-0.429	-0.324	-0.414
\$221	-0.515	-0.844	-0.718	-0.472	-0.428	-0.263	-0.517
\$222	-0.526	-0.749	1.076	-0.403	-0.410	-0.355	-0.998
\$223	-0.411	-0.759	-1.034	-0.453	-0.500	-0.233	-1.215
S224	-0.654	-0.736	1.137	-0.405	-0.389	-0.384	-0.927
\$225	-0.399	-0.644	-0.811	-0.419	-0.485	-0.217	-0.898
\$226	-0.654	-0.666	0.947	-0.418	-0.387	-0.310	-1.084
S227	-0.334	-0.613	-0.732	-0.416	-0.499	-0.205	-0.908
S228	-0.646	-0.608	0.847	-0.423	-0.384	-0.233	-1.022
S229	-0.299	-0.578	-0.366	-0.418	-0.494	-0.168	-0.975
S230	-0.480	-0.581	1.328	-0.419	-0.380	-0.202	-1.277
\$231	-0.241	-0.561	-0.431	-0.416	-0.425	-0.162	-0.972
S232	-0.318	-0.581	1.500	-0.413	-0.379	-0.219	-1.156
S233	-0.303	-0.559	-0.381	-0.417	-0.387	-0.179	-1.361
\$234	-0.476	-0.547	1.432	-0.415	-0.382	-0.294	-1.120
S235	-0.311	-0.578	-0.252	-0.432	-0.389	-0.258	-1.339
S236	-0.449	-0.555	1.284	-0.420	-0.387	-0.299	-1.065
\$237	-0.315	-0.587	-0.323	-0.440	-0.403	-0.182	-1.389
S238	-0.426	-0.604	1.442	-0.420	-0.393	-0.286	-1.025
S239	-0.345	-0.655	-0.610	-0.443	-0.394	-0.200	-1.420
S240	-0.372	-0.672	1.324	-0.420	-0.314	-0.286	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0	1.0

MEAN AND STANDARD DEVIATION LE	VEL 9
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	Z2	Z4	Z6	Z8	Z10	Z12
S1	-0.910	1.850	-0.768	-0.727	-0.310	-0.245
S2	-0.917	0.137	-0.791	0.021	-0.393	-0.112
<b>S</b> 3	-0.917	-0.486	-0.772	-0.716	-0.326	-0.189
S4	-0.923	0.448	-0.604	-0.017	-0.367	-0.083
<b>S5</b>	-0.913	-0.670	-0.727	-0.730	-0.354	-0.121
<b>S6</b>	-0.872	1.128	-0.532	0.094	-0.348	-0.043
<b>S7</b>	-0.907	-0.184	-0.647	-0.739	-0.347	-0.181
<u>S8</u>	-0.875	1.137	-0.583	-0.041	-0.347	-0.038
S9	-0.923	0.665	-0.621	-0.733	-0.343	-0.054
S10	-0.879	1.180	-0.593	-0.340	-0.346	-0.244
S11	-0.815	-0.061	-0.606	0.150	-0.340	-0.225
S12	-0.859	0.826	-0.600	-0.430	-0.355	-0.167
S13	-0.780	-0.844	-0.610	0.145	-0.341	-0.234
S14	-0.834	0.788	-0.602	-0.081	-0.354	-0.181
S15	-0.726	-1.104	-0.600	0.229	-0.353	-0.193
S16	-0.790	0.736	-0.627	0.024	-0.387	-0.077
S17	-0.755	-0.759	-0.653	0.028	-0.334	-0.181
S18	-0.802	0.647	-0.710	-0.043	-0.422	-0.097
S19	-0.755	-1.019	-0.670	-0.291	-0.393	-0.241
S20	-0.917	-0.821	-0.804	-0.211	-0.452	-0.117
\$21	-0.853	-0.212	-0.712	-0.694	3.448	0.008
S22	-0.866	-0.849	-0.615	-0.429	-0.526	-0.046
S23	-0.866	-0.340	-0.693	-0.693	3.376	0.033
S24	-0.828	-0.736	-0.532	-0.436	-0.516	-0.030
S25	-0.863	-1.184	-0.708	-0.704	3.134	5.046
S26	-0.796	0.156	-0.504	-0.433	-0.494	0.029
S27	-0.866	-0.745	-0.598	-0.736	3.192	5.741
S28	-0.802	0.293	-0.525	-0.353	-0.492	0.079
S29	-0.866	0.062	-0.574	-0.741	3.244	5.775
\$30	-0.793	0.208	-0.489	-0.606	-0.491	0.062
\$31	-0.818	-0.217	-0.525	0.192	3.318	4.690
\$32	-0.790	-0.193	-0.525	-0.629	-0.505	0.049
\$33	-0.707	-1.590	-0.502	0.339	3.338	0.027
\$34	-0.720	-0.193	-0.527	-0.261	-0.498	0.038
\$35	-0.694	-2.203	-0.517	0.104	3.241	0.039
\$36	-0.717	-0.160	-0.510	-0.348	-0.514	0.052
\$37	-0.723	-2.279	-0.598	-0.001	3.289	0.086
\$38	-0.713	-0.151	-0.598	-0.407	-0.489	0.027
\$39	-0.809	-2.250	-0.729	-0.296	3.111	0.055
S40	-0.777	-1.873	-0.732	-0.144	-0.459	-0.098
S41	1.791	0.146	1.086	0.050	-0.039	-0.209
S42	1.769	-0.028	1.131	0.510	-0.112	-0.155
S43	1.804	-0.495	1.101	0.037	-0.049	-0.233
S44	1.810	0.656	1.099	0.627	-0.105	-0.063
S45	1.791	-0.627	1.160	0.028	-0.070	-0.161
S46	1.849	1.312	1.162	0.809	-0.084	-0.040

S47	1.788	0.033	1.184	6.841	-0.070	-0.106
S48	1.839	1.505	1.269	0.803	-0.077	-0.017
S49	1.801	1.284	1.203	6.439	-0.061	-0.055
S50	1.845	1.576	1.258	0.725	-0.062	-0.070
S51	1.849	0.831	1.275	0.897	-0.054	-0.220
S52	1.839	1.005	1.190	0.643	-0.067	-0.097
S53	1.902	-0.297	1.273	0.907	-0.047	-0.223
S54	1.849	1.019	1.264	0.133	-0.072	-0.015
S55	1.925	-1.269	1.228	0.736	-0.056	-0.207
S56	1.893	1.137	1.235	0.827	-0.081	-0.002
S57	1.877	-1.227	1.173	0.674	-0.064	-0.199
S58	1.915	1.213	1.148	0.661	-0.130	-0.072
S59	1.690	-0.986	1.060	0.440	-0.049	-0.061
S60	1.883	0.599	1.050	0.443	-0.135	-0.123
S61	1.883	0.599	1.050	0.443	-0.135	-0.123
S62	-0.910	1.850	-0.768	-0.727	-0.310	-0.245
S63	-0.917	0.137	-0.791	0.021	-0.393	-0.112
S64	-0.917	-0.486	-0.772	-0.716	-0.326	-0.189
S65	-0.923	0.448	-0.604	-0.017	-0.367	-0.083
\$66	-0.913	-0.670	-0.727	-0.730	-0.354	-0.121
S67	-0.872	1.128	-0.532	0.094	-0.348	-0.043
S68	-0.907	-0.184	-0.647	-0.739	-0.347	-0.181
S69	-0.875	1.137	-0.583	-0.041	-0.347	-0.038
S70	-0.923	0.665	-0.621	-0.733	-0.343	-0.054
S71	-0.879	1.180	-0.593	-0.340	-0.346	-0.244
\$72	-0.815	-0.061	-0.606	0.150	-0.340	-0.225
S73	-0.859	0.826	-0.600	-0.430	-0.355	-0.167
S74	-0.780	-0.844	-0.610	0.145	-0.341	-0.234
\$75	-0.834	0.788	-0.602	-0.081	-0.354	-0.181
\$76	-0.726	-1.104	-0.600	0.229	-0.353	-0.193
\$77	-0.790	0.736	-0.627	0.024	-0.387	-0.077
S78	-0.755	-0.759	-0.653	0.028	-0.334	-0.181
S79	-0.802	0.647	-0.710	-0.043	-0.422	-0.097
S80	-0.755	-1.019	-0.670	-0.291	-0.393	-0.241
S81	-0.917	-0.821	-0.804	-0.211	-0.452	-0.117
S82	-0.853	-0.212	-0.712	-0.694	3.448	0.008
S83	-0.866	-0.849	-0.615	-0.429	-0.526	-0.046
S84	-0.866	-0.340	-0.693	-0.693	3.376	0.033
S85	-0.828	-0.736	-0.532	-0.436	-0.516	-0.030
S86	-0.863	-1.184	-0.708	-0.704	3.134	5.046
S87	-0.796	0.156	-0.504	-0.433	-0.494	0.029
S88	-0.866	-0.745	-0.598	-0.736	3.192	5.741
S89	-0.802	0.293	-0.525	-0.353	-0.492	0.079
<b>S90</b>	-0.866	0.062	-0.574	-0.741	3.244	5.775
<u>\$91</u>	-0.793	0.208	-0.489	-0.606	-0.491	0.062
S92	-0.818	-0.217	-0.525	0.192	3.318	4.690
<b>S93</b>	-0.790	-0.193	-0.525	-0.629	-0.505	0.049
S94	-0.707	-1.590	-0.502	0.339	3.338	0.027

\$95	-0.720	-0.193	-0.527	-0.261	-0.498	0.038
S96	-0.694	-2.203	-0.517	0.104	3.241	0.039
S97	-0.717	-0.160	-0.510	-0.348	-0.514	0.052
S98	-0.723	-2.279	-0.598	-0.001	3.289	0.086
S99	-0.713	-0.151	-0.598	-0.407	-0.489	0.027
S100	-0.809	-2.250	-0.729	-0.296	3.111	0.055
S101	-0.777	-1.873	-0.732	-0.144	-0.459	-0.098
S102	1.791	0.146	1.086	0.050	-0.039	-0.209
S103	1.769	-0.028	1.131	0.510	-0.112	-0.155
S104	1.804	-0.495	1.101	0.037	-0.049	-0.233
S105	1.810	0.656	1.099	0.627	-0.105	-0.063
S106	1.791	-0.627	1.160	0.028	-0.070	-0.161
S107	1.849	1.312	1.162	0.809	-0.084	-0.040
S108	1.788	0.033	1.184	6.841	-0.070	-0.106
S109	1.839	1.505	1.269	0.803	-0.077	-0.017
S110	1.801	1.284	1.203	6.439	-0.061	-0.055
S111	1.845	1.576	1.258	0.725	-0.062	-0.070
S112	1.849	0.831	1.275	0.897	-0.054	-0.220
S113	1.839	1.005	1.190	0.643	-0.067	-0.097
S114	1.902	-0.297	1.273	0.907	-0.047	-0.223
S115	1.849	1.019	1.264	0.133	-0.072	-0.015
S116	1.925	-1.269	1.228	0.736	-0.056	-0.207
S117	1.893	1.137	1.235	0.827	-0.081	-0.002
S118	1.877	-1.227	1.173	0.674	-0.064	-0.199
S119	1.915	1.213	1.148	0.661	-0.130	-0.072
S120	1.690	-0.986	1.060	0.440	-0.049	-0.061
S121	1.883	0.599	1.050	0.443	-0.135	-0.123
S122	-0.647	0.189	2.164	0.427	0.059	-0.270
S123	-0.510	0.505	2.242	0.887	0.042	-0.396
S124	-0.612	-0.330	2.308	0.436	0.082	-0.247
S125	0.017	0.840	2.385	0.828	0.055	-0.425
S126	-0.621	-0.259	2.510	0.418	0.068	-0.232
S127	0.071	1.175	2.587	0.942	0.056	-0.337
S128	-0.571	-0.122	2.606	0.417	0.067	-0.213
S129	-0.069	1.519	2.523	0.959	0.066	-0.234
S130	-0.145	0.486	2.646	0.564	0.074	-0.268
S131	0.014	1.552	2.612	0.964	0.069	-0.238
S132	0.496	0.595	2.742	0.944	0.076	-0.294
\$133	-0.152	0.972	2.676	0.833	0.063	-0.323
S134	0.522	0.425	2.750	0.975	0.070	-0.305
S135	0.068	0.873	2.168	0.910	0.067	-0.312
S136	0.522	-1.462	2.574	0.934	0.061	-0.295
S137	0.102	1.019	2.638	0.943	0.064	-0.303
S138	-0.037	-1.529	2.419	0.901	0.074	-0.286
S139	0.071	0.972	2.425	0.915	0.031	-0.300
S140	-1.431	-0.703	2.142	0.798	0.063	-0.290
S141	-0.040	-0.325	2.132	0.884	0.028	-0.337
S142	-0.650	1.340	-0.449	-0.700	-0.314	-0.620

S143	-0.107	1.552	-0.574	-0.269	-0.367	-0.428
S144	-0.466	0.481	-0.447	-0.707	-0.319	-0.596
S145	0.026	1.321	-0.513	-0.250	-0.353	-0.399
S146	-0.425	-0.476	-0.215	-0.709	-0.344	-0.565
S147	0.261	2.222	-0.262	-0.208	-0.335	-0.333
S148	-0.348	0.203	-0.181	-0.724	-0.341	-0.469
S149	0.436	2.307	-0.115	-0.194	-0.330	-0.306
S150	-0.355	1.661	-0.077	-0.614	-0.332	-0.438
\$151	0.420	2.340	0.012	-0.328	-0.327	-0.316
S152	0.125	1.859	0.000	-0.152	-0.326	-0.522
S153	-0.164	1.878	0.034	-0.239	-0.333	-0.319
S154	0.709	-0.042	0.032	-0.149	-0.332	-0.537
S155	0.277	1.741	-0.017	-0.168	-0.336	-0.267
S156	0.801	-0.118	0.049	-0.160	-0.338	-0.526
S157	0.585	1.864	0.008	-0.146	-0.364	-0.274
S158	1.454	0.472	0.625	-0.053	0.121	-0.284
S159	0.588	1.803	-0.070	-0.183	-0.390	-0.338
S160	0.464	0.170	-0.411	-0.312	-0.358	-0.518
S161	0.055	-0.830	-0.549	-0.194	-0.421	-0.372
S162	-0.117	0.831	-0.598	-0.709	-0.322	-0.234
\$163	0.855	0.330	-0.519	-0.402	-0.394	-0.147
S164	0.271	-0.547	-0.523	-0.700	-0.322	-0.237
S165	0.836	0.647	-0.466	-0.272	-0.385	-0.135
S166	0.309	-0.217	-0.255	-0.709	-0.334	-0.131
S167	1.023	1.435	-0.330	-0.196	-0.360	-0.117
S168	0.347	0.326	-0.313	-0.709	-0.344	-0.063
S169	1.141	1.887	-0.132	-0.194	-0.344	-0.082
S170	0.417	1.368	-0.104	-0.678	-0.340	-0.054
S171	1.071	2.020	0.010	-0.187	-0.343	-0.118
S172	0.985	1.350	-0.009	-0.365	-0.337	-0.177
S173	0.883	1.543	0.004	-0.189	-0.346	-0.112
S174	-0.066	-0.236	0.036	-0.088	-0.333	-0.196
S175	1.112	1.444	-0.039	-0.160	-0.346	-0.082
S176	-0.040	-0.613	-0.056	-0.157	-0.334	-0.176
S177	1.118	1.505	-0.092	-0.165	-0.363	-0.058
S178	-0.282	0.137	-0.213	-0.201	-0.333	-0.178
S179	1.058	1.642	-0.251	-0.202	-0.382	-0.096
S180	0.258	1.439	-0.455	-0.221	-0.344	-0.210
S181	0.782	1.491	-0.400	-0.209	-0.414	-0.143
S182	-0.707	-0.656	-0.727	-0.741	-0.380	-0.418
S183	-0.488	-0.623	-0.721	-0.344	-0.418	-0.198
S184	-0.647	-0.703	-0.642	-0.723	-0.374	-0.368
S185	-0.425	-0.269	-0.664	-0.242	-0.390	-0.168
S186	-0.663	-0.953	-0.630	-0.721	-0.386	-0.301
S187	-0.301	-0.160	-0.600	-0.199	-0.385	-0.124
S188	-0.625	-0.882	-0.564	-0.743	-0.393	-0.179
S189	-0.298	0.080	-0.538	-0.179	-0.380	-0.081
S190	-0.618	-0.401	-0.595	-0.745	-0.387	-0.244

	S191	-0.418	0.066	-0.493	-0.275	-0.381	-0.082
	S192	-0.447	-0.047	-0.470	-0.279	-0.372	-0.394
	S193	-0.418	-0.170	-0.564	-0.283	-0.388	-0.103
	S194	-0.253	-0.226	-0.489	-0.130	-0.380	-0.379
	S195	-0.428	-0.179	-0.551	-0.168	-0.390	-0.097
	S196	-0.139	-0.972	-0.523	-0.234	-0.390	-0.345
	S197	-0.402	-0.113	-0.581	-0.193	-0.391	-0.091
	S198	-0.244	-1.094	-0.630	-0.308	-0.378	-0.350
	S199	-0.374	-0.085	-0.649	-0.243	-0.403	-0.129
	S200	-0.815	-1.052	-0.721	-0.384	-0.391	-0.391
	S201	-0.498	-0.170	-0.691	-0.295	-0.419	-0.212
	S202	-0.885	-0.953	-0.829	-0.755	-0.432	-0.352
	S203	-0.726	-0.774	-0.783	-0.483	-0.474	-0.271
	S204	-0.882	-1.184	-0.838	-0.759	-0.433	-0.348
	S205	-0.796	-0.684	-0.819	-0.442	-0.465	-0.258
	S206	-0.866	-1.264	-0.778	-0.758	-0.444	-0.309
	S207	-0.602	-0.590	-0.821	-0.427	-0.448	-0.202
	S208	-0.837	-1.165	-0.759	-0.742	-0.451	-0.240
	S209	-0.577	-0.505	-0.698	-0.412	-0.440	-0.237
	S210	-0.879	-0.698	-0.678	-0.735	-0.447	-0.234
	S211	-0.564	-0.519	-0.676	-0.454	-0.441	-0.280
	S212	-0.821	-0.575	-0.681	-0.274	-0.445	-0.338
	S213	-0.583	-0.561	-0.668	-0.412	-0.442	-0.274
	S214	-0.621	-0.863	-0.670	-0.296	-0.440	-0.342
	S215	-0.529	-0.623	-0.664	-0.307	-0.442	-0.244
	S216	-0.606	-1.278	-0.670	-0.393	-0.442	-0.346
	S217	-0.482	-0.575	-0.700	-0.348	-0.461	-0.233
	S218	-0.574	-1.278	-0.689	-0.469	-0.445	-0.335
	S219	-0.367	-0.472	-0.817	-0.090	-0.476	-0.238
	S220	-0.802	-1.165	-0.632	-0.517	-0.438	-0.324
	S221	-0.558	-0.684	-0.844	-0.547	-0.472	-0.263
	\$222	0.614	-0.679	-0.749	-0.720	-0.403	-0.355
	\$223	-0.704	-1.043	-0.759	-0.429	-0.453	-0.233
	\$224	0.648	-0.873	-0.736	-0.731	-0.405	-0.384
	S225	-0.644	-0.698	-0.644	-0.359	-0.419	-0.217
	S226	0.668	-0.896	-0.666	-0.742	-0.418	-0.310
	\$227	-0.640	-0.538	-0.613	-0.297	-0.416	-0.205
	S228	0.674	-0.717	-0.608	-0.754	-0.423	-0.233
	\$229	-0.659	-0.457	-0.578	-0.289	-0.418	-0.168
	\$230	0.668	-0.330	-0.581	-0.759	-0.419	-0.202
	S231	-0.745	-0.462	-0.561	-0.396	-0.416	-0.162
	\$232	0.868	-0.283	-0.581	-0.184	-0.413	-0.219
	\$233	-0.821	-0.500	-0.559	-0.542	-0.417	-0.179
	\$234	1.052	-0.925	-0.547	-0.281	-0.415	-0.294
	\$235	-0.720	-0.722	-0.578	-0.433	-0.432	-0.258
	\$236	1.106	-1.151	-0,555	-0.275	-0.420	-0.299
	\$237	-0.621	-0.575	-0.587	-0.268	-0.440	-0.182
	\$238	1.093	-0.863	-0.604	-0.407	-0.420	-0.286
14							

S239	-0.625	-0.580	-0.655	-0.241	-0.443	-0.200
S240	0.918	-0.863	-0.672	-0.441	-0.420	-0.286
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

	Z2	Z4	Z6	Z9	Z11	Z13
S1	-0.910	1.850	-0.768	-0.504	-0.347	0.792
S2	-0.917	0.137	-0.791	-0.777	-0.465	0.506
<b>S</b> 3	-0.917	-0.486	-0.772	-0.513	-0.331	0.761
<b>S4</b>	-0.923	0.448	-0.604	-0.808	-0.466	0.427
<b>S</b> 5	-0.913	-0.670	-0.727	-0.489	-0.301	0.637
<u>\$6</u>	-0.872	1.128	-0.532	-0.678	-0.476	0.508
<b>S7</b>	-0.907	-0.184	-0.647	-0.425	-0.313	0.392
<u>S8</u>	-0.875	1.137	-0.583	-0.363	-0.476	0.575
<mark>S</mark> 9	-0.923	0.665	-0.621	-0.497	-0.320	0.327
S10	-0.879	1.180	-0.593	-0.236	-0.470	0.654
S11	-0.815	-0.061	-0.606	-0.223	-0.333	0.310
S12	-0.859	0.826	-0.600	-0.188	-0.314	0.377
S13	-0.780	-0.844	-0.610	-0.142	-0.336	0.489
S14	-0.834	0.788	-0.602	-0.470	-0.322	0.098
S15	-0.726	-1.104	-0.600	0.027	-0.335	0.501
S16	-0.790	0.736	-0.627	-0.626	-0.324	0.029
S17	-0.755	-0.759	-0.653	-0.061	-0.336	0.625
S18	-0.802	0.647	-0.710	-0.739	-0.325	0.024
S19	-0.755	-1.019	-0.670	-0.658	-0.377	-0.085
S20	-0.917	-0.821	-0.804	-0.789	-0.340	-0.421
S21	-0.853	-0.212	-0.712	-0.986	2.450	-0.946
S22	-0.866	-0.849	-0.615	-0.838	-0.329	0.976
S23	-0.866	-0.340	-0.693	-0.929	2.602	-0.946
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S24	-0.828	-0.736	-0.532	-0.875	-0.327	0.887
S25	-0.863	-1.184	-0.708	-0.932	2.698	-1.234
S26	-0.796	0.156	-0.504	-0.887	-0.321	0.914
S27	-0.866	-0.745	-0.598	-0.923	2.847	-1.356
S28	-0.802	0.293	-0.525	-0.690	-0.318	0.825
S29	-0.866	0.062	-0.574	-0.972	2.895	-1.375
S30	-0.793	0.208	-0.489	-0.453	-0.312	0.740
S31	-0.818	-0.217	-0.525	-0.585	2.756	-1.432
S32	-0.790	-0.193	-0.525	-0.276	2.680	0.341
\$33	-0.707	-1.590	-0.502	-0.479	2.660	-1.378
S34	-0.720	-0.193	-0.527	-0.279	2.564	0.196
\$35	-0.694	-2.203	-0.517	-0.419	2.640	-1.318
S36	-0.717	-0.160	-0.510	-0.380	2.662	0.287
S37	-0.723	-2.279	-0.598	-0.505	2.604	-1.227
\$38	-0.713	-0.151	-0.598	-0.729	2.652	0.148
S39	-0.809	-2.250	-0.729	-1.120	2.291	-1.497
S40	-0.777	-1.873	-0.732	-1.091	2.493	-0.061
S41	1.791	0.146	1.086	0.506	-0.333	1.009
S42	1.769	-0.028	1.131	0.449	-0.473	1.000
S43	1.804	-0.495	1.101	0.541	-0.324	0.923
S44	1.810	0.656	1.099	0.442	-0.465	0.873
S45	1.791	-0.627	1.160	0.548	-0.301	0.606
S46	1.849	1.312	1.162	0.510	-0.453	0.742
S47	1.788	0.033	1.184	0.579	-0.308	0.485
S48	1.839	1.505	1.269	0.621	-0.442	0.642
S49	1.801	1.284	1.203	0.547	-0.303	0.482
S50	1.845	1.576	1.258	0.580	-0.443	0.721
S51	1.849	0.831	1.275	0.791	-0.316	0.499
S52	1.839	1.005	1.190	0.484	-0.310	0.132
S53	1.902	-0.297	1.273	0.874	-0.327	0.506
S54	1.849	1.019	1.264	0.573	-0.318	0.067
S55	1.925	-1.269	1.228	1.063	-0.330	0.649
S56	1.893	1.137	1.235	0.431	-0.322	-0.045
\$57	1.877	-1.227	1.173	0.957	-0.333	0.511
S58	1.915	1.213	1.148	0.284	-0.323	-0.023
S59	1.690	-0.986	1.060	0.539	-0.379	0.494
S60	1.883	0.599	1.050	0.354	-0.329	0.115
S61	1.883	0.599	1.050	0.354	-0.329	0.115
S62	-0.910	1.850	-0.768	-0.504	-0.347	0.792
\$63	-0.917	0.137	-0.791	-0.777	-0.465	0.506
\$64	-0.917	-0.486	-0.772	-0.513	-0.331	0.761
\$65	-0.923	0.448	-0.604	-0.808	-0.466	0.427
\$66	-0.913	-0.670	-0.727	-0.489	-0.301	0.637
S67	-0.872	1.128	-0.532	-0.678	-0.476	0.508
S68	-0.907	-0.184	-0.647	-0.425	-0.313	0.392
S69	-0.875	1.137	-0.583	-0.363	-0.476	0.575
S70	-0.923	0.665	-0.621	-0.497	-0.320	0.327

S71	-0.879	1.180	-0.593	-0.236	-0.470	0.654
\$72	-0.815	-0.061	-0.606	-0.223	-0.333	0.310
\$73	-0.859	0.826	-0.600	-0.188	-0.314	0.377
S74	-0.780	-0.844	-0.610	-0.142	-0.336	0.489
S75	-0.834	0.788	-0.602	-0.470	-0.322	0.098
S76	-0.726	-1.104	-0.600	0.027	-0.335	0.501
S77	-0.790	0.736	-0.627	-0.626	-0.324	0.029
S78	-0.755	-0.759	-0.653	-0.061	-0.336	0.625
S79	-0.802	0.647	-0.710	-0.739	-0.325	0.024
S80	-0.755	-1.019	-0.670	-0.658	-0.377	-0.085
S81	-0.917	-0.821	-0.804	-0.789	-0.340	-0.421
S82	-0.853	-0.212	-0.712	-0.986	2.450	-0.946
S83	-0.866	-0.849	-0.615	-0.838	-0.329	0.976
S84	-0.866	-0.340	-0.693	-0.929	2.602	-0.946
S85	-0.828	-0.736	-0.532	-0.875	-0.327	0.887
S86	-0.863	-1.184	-0.708	-0.932	2.698	-1.234
S87	-0.796	0.156	-0.504	-0.887	-0.321	0.914
S88	-0.866	-0.745	-0.598	-0.923	2.847	-1.356
S89	-0.802	0.293	-0.525	-0.690	-0.318	0.825
<b>S90</b>	-0.866	0.062	-0.574	-0.972	2.895	-1.375
S91	-0.793	0.208	-0.489	-0.453	-0.312	0.740
S92	-0.818	-0.217	-0.525	-0.585	2.756	-1.432
<b>S93</b>	-0.790	-0.193	-0.525	-0.276	2.680	0.341
S94	-0.707	-1.590	-0.502	-0.479	2.660	-1.378
S95	-0.720	-0.193	-0.527	-0.279	2.564	0.196
S96	-0.694	-2.203	-0.517	-0.419	2.640	-1.318
S97	-0.717	-0.160	-0.510	-0.380	2.662	0.287
S98	-0.723	-2.279	-0.598	-0.505	2.604	-1.227
S99	-0.713	-0.151	-0.598	-0.729	2.652	0.148
S100	-0.809	-2.250	-0.729	-1.120	2.291	-1.497
S101	-0.777	-1.873	-0.732	-1.091	2.493	-0.061
S102	1.791	0.146	1.086	0.506	-0.333	1.009
S103	1.769	-0.028	1.131	0.449	-0.473	1.000
S104	1.804	-0.495	1.101	0.541	-0.324	0.923
S105	1.810	0.656	1.099	0.442	-0.465	0.873
S106	1.791	-0.627	1.160	0.548	-0.301	0.606
S107	1.849	1.312	1.162	0.510	-0.453	0.742
S108	1.788	0.033	1.184	0.579	-0.308	0.485
S109	1.839	1.505	1.269	0.621	-0.442	0.642
S110	1.801	1.284	1.203	0.547	-0.303	0.482
S111	1.845	1.576	1.258	0.580	-0.443	0.721
S112	1.849	0.831	1.275	0.791	-0.316	0.499
S113	1.839	1.005	1.190	0.484	-0.310	0.132
S114	1.902	-0.297	1.273	0.874	-0.327	0.506
S115	1.849	1.019	1.264	0.573	-0.318	0.067
S116	1.925	-1.269	1.228	1.063	-0.330	0.649
S117	1.893	1.137	1.235	0.431	-0.322	-0.045
S118	1.877	-1.227	1.173	0.957	-0.333	0.511

S119	1.915	1.213	1.148	0.284	-0.323	-0.023
S120	1.690	-0.986	1.060	0.539	-0.379	0.494
S121	1.883	0.599	1.050	0.354	-0.329	0.115
S122	-0.647	0.189	2.164	0.889	-0.401	-0.421
S123	-0.510	0.505	2.242	0.917	-0.492	-0.679
S124	-0.612	-0.330	2.308	0.243	-0.389	-0.307
\$125	0.017	0.840	2.385	0.894	-0.493	-0.743
S126	-0.621	-0.259	2.510	1.012	-0.378	-0.588
S127	0.071	1.175	2.587	0.911	-0.491	-0.631
S128	-0.571	-0.122	2.606	1.012	-0.375	-0.669
S129	-0.069	1.519	2.523	1.177	-0.476	-0.545
\$130	-0.145	0.486	2.646	1.033	-0.375	-0.741
\$131	0.014	1.552	2.612	1.374	-0.336	-0.522
S132	0.496	0.595	2.742	1.175	-0.389	-0.722
\$133	-0.152	0.972	2.676	1.383	-0.345	-1.056
S134	0.522	0.425	2.750	1.379	-0.393	-0.612
S135	0.068	0.873	2.168	1.290	-0.347	-1.218
S136	0.522	-1.462	2.574	1.302	-0.397	-0.724
S137	0.102	1.019	2.638	1.084	-0.350	-1.244
S138	-0.037	-1.529	2.419	1.116	-0.406	-0.688
S139	0.071	0.972	2.425	1.056	-0.356	-0.731
S140	-1.431	-0.703	2.142	0.749	-0.423	-0.781
S141	-0.040	-0.325	2.132	1.023	-0.350	-1.306
S142	-0.650	1.340	-0.449	-0.539	-0.362	-0.727
S143	-0.107	1.552	-0.574	-0.493	-0.476	-0.772
S144	-0.466	0.481	-0.447	-0.499	-0.356	-0.679
S145	0.026	1.321	-0.513	-0.514	-0.494	-0.603
S146	-0.425	-0.476	-0.215	-0.470	-0.346	-0.963
S147	0.261	2.222	-0.262	-0.561	-0.498	-0.674
S148	-0.348	0.203	-0.181	-0.442	-0.344	-1.089
S149	0.436	2.307	-0.115	-0.381	-0.505	-0.753
S150	-0.355	1.661	-0.077	-0.398	-0.337	-1.146
S151	0.420	2.340	0.012	-0.103	-0.471	-0.827
S152	0.125	1.859	0.000	-0.068	-0.340	-1.201
S153	-0.164	1.878	0.034	- <b>0.38</b> 3	-0.343	-0.967
S154	0.709	-0.042	0.032	-0.051	-0.346	-1.125
S155	0.277	1.741	-0.017	-0.236	-0.349	-1.330
S156	0.801	-0.118	0.049	-0.082	-0.354	-1.022
S157	0.585	1.864	0.008	-0.568	-0.354	-1.268
S158	1.454	0.472	0.625	0.346	0.059	0.651
S159	0.588	1.803	-0.070	-0.696	-0.349	-1.285
S160	0.464	0.170	-0.411	-0.287	-0.393	-1.194
S161	0.055	-0.830	-0.549	-0.728	0.658	-1.795
S162	-0.117	0.831	-0.598	-0.626	-0.325	0.837
S163	0.855	0.330	-0.519	-0.558	-0.461	0.811
S164	0.271	-0.547	-0.523	-0.563	-0.328	0.871
S165	0.836	0.647	-0.466	-0.540	-0.461	0.880
S166	0.309	-0.217	-0.255	-0.542	-0.316	0.699

S167	1.023	1.435	-0.330	-0.488	-0.461	0.792
S168	0.347	0.326	-0.313	-0.476	-0.312	0.473
S169	1.141	1.887	-0.132	-0.209	-0.464	0.744
S170	0.417	1.368	-0.104	-0.443	-0.303	0.358
S171	1.071	2.020	0.010	-0.190	-0.452	0.728
S172	0.985	1.350	-0.009	-0.388	-0.314	0.370
S173	0.883	1.543	0.004	-0.129	-0.396	0.523
S174	-0.066	-0.236	0.036	-0.102	-0.333	0.344
S175	1.112	1.444	-0.039	-0.230	-0.315	0.301
S176	-0.040	-0.613	-0.056	-0.338	-0.331	0.434
S177	1.118	1.505	-0.092	-0.291	-0.327	0.208
S178	-0.282	0.137	-0.213	-0.305	-0.339	0.532
S179	1.058	1.642	-0.251	-0.423	-0.326	0.213
S180	0.258	1.439	-0.455	-0.770	-0.361	0.573
S181	0.782	1.491	-0.400	-0.287	-0.338	-0.045
S182	-0.707	-0.656	-0.727	0.071	-0.382	3.300
S183	-0.488	-0.623	-0.721	-0.253	-0.451	0.418
S184	-0.647	-0.703	-0.642	-0.631	-0.375	3.424
S185	-0.425	-0.269	-0.664	-0.830	-0.457	0.458
S186	-0.663	-0.953	-0.630	-1.255	-0.358	3.179
S187	-0.301	-0.160	-0.600	0.878	-0.448	0.513
S188	-0.625	-0.882	-0.564	-1.192	-0.353	3.062
S189	-0.298	0.080	-0.538	0.468	-0.471	0.313
S190	-0.618	-0.401	-0.595	-1.042	-0.350	3.098
S191	-0.418	0.066	-0.493	-0.013	-0.475	0.282
S192	-0.447	-0.047	-0.470	-0.276	-0.355	3.241
\$193	-0.418	-0.170	-0.564	-0.665	-0.357	-0.028
S194	-0.253	-0.226	-0.489	-1.183	-0.362	3.226
S195	-0.428	-0.179	-0.551	-0.608	-0.356	-0.021
S196	-0.139	-0.972	-0.523	-1.178	-0.366	3.284
S197	-0.402	-0.113	-0.581	0.634	-0.364	-0.030
S198	-0.244	-1.094	-0.630	1.157	-0.373	2.993
S199	-0.374	-0.085	-0.649	2.848	-0.364	-0.014
S200	-0.815	-1.052	-0.721	1.077	-0.405	3.126
S201	-0.498	-0.170	-0.691	1.859	-0.367	-0.100
S202	-0.885	-0.953	-0.829	1.543	-0.421	-0.617
S203	-0.726	-0.774	-0.783	-0.597	-0.482	-0.097
S204	-0.882	-1.184	-0.838	2.611	-0.421	-0.553
S205	-0.796	-0.684	-0.819	-1.499	-0.490	-0.133
S206	-0.866	-1.264	-0.778	1.886	-0.412	-0.369
S207	-0.602	-0.590	-0.821	-1.321	-0.486	-0.159
S208	-0.837	-1.165	-0.759	2.116	-0.405	-0.269
S209	-0.577	-0.505	-0.698	-1.278	-0.484	-0.181
S210	-0.879	-0.698	-0.678	0.814	-0.403	-0.259
S211	-0.564	-0.519	-0.676	-1.218	-0.496	-0.357
S212	-0.821	-0.575	-0.681	0.520	-0.407	-0.414
S213	-0.583	-0.561	-0.668	-1.125	-0.406	-0.469
S214	-0.621	-0.863	-0.670	-0.929	-0.410	-0.314

S215	-0.529	-0.623	-0.664	-1.230	-0.407	-0.421
S216	-0.606	-1.278	-0.670	-0.771	-0.413	-0.379
S217	-0.482	-0.575	-0.700	-1.258	-0.408	-0.359
S218	-0.574	-1.278	-0.689	3.264	-0.418	-0.383
S219	-0.367	-0.472	-0.817	-1.088	-0.410	-0.464
S220	-0.802	-1.165	-0.632	3.342	-0.429	-0.414
\$221	-0.558	-0.684	-0.844	2.302	-0.428	-0.517
\$222	0.614	-0.679	-0.749	1.996	-0.410	-0.998
S223	-0.704	-1.043	-0.759	0.353	-0.500	-1.215
\$224	0.648	-0.873	-0.736	2.839	-0.389	-0.927
S225	-0.644	-0.698	-0.644	-0.143	-0.485	-0.898
\$226	0.668	-0.896	-0.666	2.852	-0.387	-1.084
\$227	-0.640	-0.538	-0.613	-1.316	-0.499	-0.908
\$228	0.674	-0.717	-0.608	3.443	-0.384	-1.022
S229	-0.659	-0.457	-0.578	-1.254	-0.494	-0.975
S230	0.668	-0.330	-0.581	2.268	-0.380	-1.277
\$231	-0.745	-0.462	-0.561	-1.085	-0.425	-0.972
\$232	0.868	-0.283	-0.581	0.788	-0.379	-1.156
\$233	-0.821	-0.500	-0.559	-1.233	-0.387	-1.361
\$234	1.052	-0.925	-0.547	-1.081	-0.382	-1.120
S235	-0.720	-0.722	-0.578	-1.264	-0.389	-1.339
\$236	1.106	-1.151	-0.555	0.439	-0.387	-1.065
S237	-0.621	-0.575	-0.587	-1.254	-0.403	-1.389
S238	1.093	-0.863	-0.604	3.667	-0.393	-1.025
S239	-0.625	-0.580	-0.655	-1.148	-0.394	-1.420
S240	0.918	-0.863	-0.672	3.474	-0.314	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

TATTALA	AND B.		IND DE			
	Z2	Z5	Z7	Z8	Z10	Z13
S1	-0.910	-1.044	0.405	-0.727	-0.310	0.792
S2	-0.917	-0.797	-0.424	0.021	-0.393	0.506
S3	-0.917	-0.857	0.434	-0.716	-0.326	0.761
S4	-0.923	-0.979	1.101	-0.017	-0.367	0.427
S5	-0.913	-0.818	0.097	-0.730	-0.354	0.637
S6	-0.872	-0.413	1.324	0.094	-0.348	0.508
<b>S</b> 7	-0.907	-0.824	0.003	-0.739	-0.347	0.392
S8	-0.875	-0.583	1.475	-0.041	-0.347	0.575
S9	-0.923	-0.859	-0.445	-0.733	-0.343	0.327
S10	-0.879	-0.728	1.629	-0.340	-0.346	0.654
S11	-0.815	-0.609	0.416	0.150	-0.340	0.310
S12	-0.859	-0.626	1.478	-0.430	-0.355	0.377
S13	-0.780	-0.476	0.667	0.145	-0.341	0.489
S14	-0.834	-0.519	1.536	-0.081	-0.354	0.098
S15	-0.726	-0.232	0.229	0.229	-0.353	0.501
S16	-0.790	-0.519	1.475	0.024	-0.387	0.029
S17	-0.755	-0.308	-0.470	0.028	-0.334	0.625
S18	-0.802	-0.545	1.119	-0.043	-0.422	0.024
S19	-0.755	-0.631	-0.004	-0.291	-0.393	-0.085
S20	-0.917	-0.749	-0.427	-0.211	-0.452	-0.421
S21	-0.853	-0.850	-0.639	-0.694	3.448	-0.946
S22	-0.866	-0.579	-1.665	-0.429	-0.526	0.976
S23	-0.866	-0.792	-0.700	-0.693	3.376	-0.946
S24	-0.828	-0.570	-1.328	-0.436	-0.516	0.887
S25	-0.863	-0.779	-0.689	-0.704	3.134	-1.234
S26	-0.796	-0.424	-0.086	-0.433	-0.494	0.914
S27	-0.866	-0.805	-0.481	-0.736	3.192	-1.356
S28	-0.802	-0.510	-0.291	-0.353	-0.492	0.825
S29	-0.866	-0.833	0.412	-0.741	3.244	-1.375
S30	-0.793	-0.620	-0.015	-0.606	-0.491	0.740
\$31	-0.818	-0.676	0.366	0.192	3.318	-1.432
S32	-0.790	-0.616	-0.004	-0.629	-0.505	0.341
\$ <b>3</b> 3	-0.707	-0.422	-0.226	0.339	3.338	-1.378
\$34	-0.720	-0.437	0.025	-0.261	-0.498	0.196
S35	-0.694	-0.260	-0.359	0.104	3.241	-1.318
S36	-0.717	-0.424	0.301	-0.348	-0.514	0.287
S37	-0.723	-0.301	-0.173	-0.001	3.289	-1.227
S38	-0.713	-0.476	-0.553	-0.407	-0.489	0.148
S39	-0.809	-0.908	-0.137	-0.296	3.111	-1.497
S40	-0.777	-0.755	-1.949	-0.144	-0.459	-0.061
S41	1.791	0.603	0.305	0.050	-0.039	1.009
S42	1.769	0.625	-0.460	0.510	-0.112	1.000
S43	1.804	0.733	0.427	0.037	-0.049	0.923
S44	1.810	1.213	1.259	0.627	-0.105	0.873
S45	1.791	0.750	0.330	0.028	-0.070	0.606
S46	1.849	2.180	1.482	0.809	-0.084	0.742

MEAN AND STANDARD DEVIATION LEVEL 11

S47	1.788	0.754	0.696	6.841	-0.070	0.485
S48	1.839	1.032	1.712	0.803	-0.077	0.642
S49	1.801	0.703	1.676	6.439	-0.061	0.482
\$50	1.845	0.899	1.834	0.725	-0.062	0.721
\$51	1.849	1.120	1.625	0.897	-0.054	0.499
\$52	1.839	0.823	1.582	0.643	-0.067	0.132
S53	1.902	1.170	0.944	0.907	-0.047	0.506
S54	1.849	1.148	1.722	0.133	-0.072	0.067
S55	1.925	1.400	0.172	0.736	-0.056	0.649
S56	1.893	0.911	1.087	0.827	-0.081	-0.045
\$57	1.877	1.340	0.204	0.674	-0.064	0.511
S58	1.915	0.726	1.274	0.661	-0.130	-0.023
\$59	1.690	0.970	0.305	0.440	-0.049	0.494
S60	1.883	0.896	-0.036	0.443	-0.135	0.115
S61	1.883	0.896	-0.036	0.443	-0.135	0.115
S62	-0.910	-1.044	0.405	-0.727	-0.310	0.792
S63	-0.917	-0.797	-0.424	0.021	-0.393	0.506
S64	-0.917	-0.857	0.434	-0.716	-0.326	0.761
S65	-0.923	-0.979	1.101	-0.017	-0.367	0.427
S66	-0.913	-0.818	0.097	-0.730	-0.354	0.637
S67	-0.872	-0.413	1.324	0.094	-0.348	0.508
S68	-0.907	-0.824	0.003	-0.739	-0.347	0.392
S69	-0.875	-0.583	1.475	-0.041	-0.347	0.575
S70	-0.923	-0.859	-0.445	-0.733	-0.343	0.327
S71	-0.879	-0.728	1.629	-0.340	-0.346	0.654
S72	-0.815	-0.609	0.416	0.150	-0.340	0.310
S73	-0.859	-0.626	1.478	-0.430	-0.355	0.377
S74	-0.780	-0.476	0.667	0.145	-0.341	0.489
\$75	-0.834	-0.519	1.536	-0.081	-0.354	0.098
\$76	-0.726	-0.232	0.229	0.229	-0.353	0.501
\$77	-0.790	-0.519	1.475	0.024	-0.387	0.029
S78	-0.755	-0.308	-0.470	0.028	-0.334	0.625
\$79	-0.802	-0.545	1.119	-0.043	-0.422	0.024
S80	-0.755	-0.631	-0.004	-0.291	-0.393	-0.085
S81	-0.917	-0.749	-0.427	-0.211	-0.452	-0.421
S82	-0.853	-0.850	-0.639	-0.694	3.448	-0.946
S83	-0.866	-0.579	-1.665	-0.429	-0.526	0.976
\$84	-0.866	-0.792	-0.700	-0.693	3.376	-0.946
S85	-0.828	-0.570	-1.328	-0.436	-0.516	0.887
S86	-0.863	-0.779	-0.689	-0.704	3.134	-1.234
S87	-0.796	-0.424	-0.086	-0.433	-0.494	0.914
S88	-0.866	-0.805	-0.481	-0.736	3.192	-1.356
S89	-0.802	-0.510	-0.291	-0.353	-0.492	0.825
S90	-0.866	-0.833	0.412	-0.741	3.244	-1.375
S91	-0.793	-0.620	-0.015	-0.606	-0.491	0.740
\$92	-0.818	-0.676	0.366	0.192	3.318	-1.432
\$93	-0.790	-0.616	-0.004	-0.629	-0.505	0.341
S94	-0.707	-0.422	-0.226	0.339	3.338	-1.378

S95	-0.720	-0.437	0.025	-0.261	-0.498	0.196
S96	-0.694	-0.260	-0.359	0.104	3.241	-1.318
S97	-0.717	-0.424	0.301	-0.348	-0.514	0.287
S98	-0.723	-0.301	-0.173	-0.001	3.289	-1.227
S99	-0.713	-0.476	-0.553	-0.407	-0.489	0.148
S100	-0.809	-0.908	-0.137	-0.296	3.111	-1.497
S101	-0.777	-0.755	-1.949	-0.144	-0.459	-0.061
S102	1.791	0.603	0.305	0.050	-0.039	1.009
S103	1.769	0.625	-0.460	0.510	-0.112	1.000
S104	1.804	0.733	0.427	0.037	-0.049	0.923
S105	1.810	1.213	1.259	0.627	-0.105	0.873
S106	1.791	0.750	0.330	0.028	-0.070	0.606
S107	1.849	2.180	1.482	0.809	-0.084	0.742
S108	1.788	0.754	0.696	6.841	-0.070	0.485
S109	1.839	1.032	1.712	0.803	-0.077	0.642
S110	1.801	0.703	1.676	6.439	-0.061	0.482
S111	1.845	0.899	1.834	0.725	-0.062	0.721
S112	1.849	1.120	1.625	0.897	-0.054	0.499
\$113	1.839	0.823	1.582	0.643	-0.067	0.132
S114	1.902	1.170	0.944	0.907	-0.047	0.506
\$115	1.849	1.148	1.722	0.133	-0.072	0.067
S116	1.925	1.400	0.172	0.736	-0.056	0.649
S117	1.893	0.911	1.087	0.827	-0.081	-0.045
S118	1.877	1.340	0.204	0.674	-0.064	0.511
S119	1.915	0.726	1.274	0.661	-0.130	-0.023
S120	1.690	0.970	0.305	0.440	-0.049	0.494
S121	1.883	0.896	-0.036	0.443	-0.135	0.115
S122	-0.647	1.605	-0.869	0.427	0.059	-0.421
S123	-0.510	2.567	2.584	0.887	0.042	-0.679
S124	-0.612	1.945	-1.910	0.436	0.082	-0.307
\$125	0.017	2.565	1.765	0.828	0.055	-0.743
S126	-0.621	1.969	-2.089	0.418	0.068	-0.588
S127	0.071	2.576	-0.259	0.942	0.056	-0.631
S128	-0.571	1.969	-1.899	0.417	0.067	-0.669
S129	-0.069	2.604	-1.102	0.959	0.066	-0.545
S130	-0.145	1.997	-0.697	0.564	0.074	-0.741
\$131	0.014	2.531	-0.754	0.964	0.069	-0.522
S132	0.496	2.611	-0.976	0.944	0.076	-0.722
S133	-0.152	2.553	-0.219	0.833	0.063	-1.056
S134	0.522	2.847	-1.020	0.975	0.070	-0.612
\$135	0.068	2.738	0.186	0.910	0.067	-1.218
S136	0.522	2.820	-1.292	0.934	0.061	-0.724
S137	0.102	2.785	-0.707	0.943	0.064	-1.244
S138	-0.037	2.539	-1.490	0.901	0.074	-0.688
S139	0.071	2.634	-1.185	0.915	0.031	-0.731
S140	-1.431	2.113	-1.371	0.798	0.063	-0.781
S141	-0.040	2.029	-1.217	0.884	0.028	-1.306
S142	-0.650	-0.215	-0.011	-0.700	-0.314	-0.727

S143	-0.107	-0.097	3.075	-0.269	-0.367	-0.772
S144	-0.466	-0.349	-0.564	-0.707	-0.319	-0.679
S145	0.026	0.067	2.325	-0.250	-0.353	-0.603
S146	-0.425	-0.096	-1.371	-0.709	-0.344	-0.963
S147	0.261	0.507	-0.025	-0.208	-0.335	-0.674
S148	-0.348	-0.092	-1.608	-0.724	-0.341	-1.089
S149	0.436	0.448	-0.951	-0.194	-0.330	-0.753
S150	-0.355	-0.124	-1.533	-0.614	-0.332	-1.146
S151	0.420	0.242	-0.894	-0.328	-0.327	-0.827
S152	0.125	0.435	-1.479	-0.152	-0.326	-1.201
\$153	-0.164	0.240	0.621	-0.239	-0.333	-0.967
S154	0.709	0.647	-1.551	-0.149	-0.332	-1.125
S155	0.277	0.474	0.599	-0.168	-0.336	-1.330
S156	0.801	0.786	-1.210	-0.160	-0.338	-1.022
S157	0.585	0.616	0.577	-0.146	-0.364	-1.268
S158	1.454	1.452	0.973	-0.053	0.121	0.651
S159	0.588	0.629	0.061	-0.183	-0.390	-1.285
S160	0.464	-0.047	0.674	-0.312	-0.358	-1.194
S161	0.055	0.380	-0.366	-0.194	-0.421	-1.795
S162	-0.117	-0.609	-0.779	-0.709	-0.322	0.837
S163	0.855	-0.137	-0.643	-0.402	-0.394	0.811
S164	0.271	-0.531	-1.335	-0.700	-0.322	0.871
S165	0.836	0.242	2.060	-0.272	-0.385	0.880
S166	0.309	-0.387	-1.407	-0.709	-0.334	0.699
S167	1.023	0.444	-0.600	-0.196	-0.360	0.792
S168	0.347	-0.370	-1.917	-0.709	-0.344	0.473
S169	1.141	0.304	-0.919	-0.194	-0.344	0.744
S170	0.417	-0.241	-1.920	-0.678	-0.340	0.358
S171	1.071	0.196	-0.743	-0.187	-0.343	0.728
S172	0.985	0.489	-1.935	-0.365	-0.337	0.370
S173	0.883	0.097	0.298	-0.189	-0.346	0.523
S174	-0.066	0.513	-1.935	-0.088	-0.333	0.344
S175	1.112	0.110	0.193	-0.160	-0.346	0.301
S176	-0.040	0.625	-1.823	-0.157	-0.334	0.434
S177	1.118	0.194	0.574	-0.165	-0.363	0.208
S178	-0.282	0.534	-1.002	-0.201	-0.333	0.532
S179	1.058	0.438	-1.037	-0.202	-0.382	0.213
S180	0.258	0.147	0.337	-0.221	-0.344	0.573
S181	0.782	-0.349	-0.833	-0.209	-0.414	-0.045
S182	-0.707	-0.911	-0.402	-0.741	-0.380	3.300
S183	-0.488	-0.796	-0.585	-0.344	-0.418	0.418
S184	-0.647	-0.797	-0.417	-0.723	-0.374	3.424
S185	-0.425	-0.555	-0.560	-0.242	-0.390	0.458
S186	-0.663	-0.792	-0.524	-0.721	-0.386	3.179
S187	-0.301	-0.480	-0.043	-0.199	-0.385	0.513
S188	-0.625	-0.781	-0.409	-0.743	-0.393	3.062
S189	-0.298	-0.405	0.104	-0.179	-0.380	0.313
S190	-0.618	-0.768	-0.051	-0.745	-0.387	3.098

S191	-0.418	-0.620	0.373	-0.275	-0.381	0.282
S192	-0.447	-0.573	0.014	-0.279	-0.372	3.241
S193	-0.418	-0.536	0.132	-0.283	-0.388	-0.028
S194	-0.253	-0.467	-0.309	-0.130	-0.380	3.226
S195	-0.428	-0.532	0.262	-0.168	-0.390	-0.021
S196	-0.139	-0.443	0.007	-0.234	-0.390	3.284
S197	-0.402	-0.529	0.208	-0.193	-0.391	-0.030
S198	-0.244	-0.480	0.089	-0.308	-0.378	2.993
S199	-0.374	-0.484	-0.022	-0.243	-0.403	-0.014
\$200	-0.815	-0.657	-0.492	-0.384	-0.391	3.126
S201	-0.498	-0.790	-0.438	-0.295	-0.419	-0.100
S202	-0.885	-1.061	-0.872	-0.755	-0.432	-0.617
\$203	-0.726	-0.863	-1.016	-0.483	-0.474	-0.097
S204	-0.882	-1.081	-0.858	-0.759	-0.433	-0.553
\$205	-0.796	-0.829	-1.034	-0.442	-0.465	-0.133
\$206	-0.866	-0.788	-0.923	-0.758	-0.444	-0.369
S207	-0.602	-0.745	-0.460	-0.427	-0.448	-0.159
S208	-0.837	-0.945	-0.858	-0.742	-0.451	-0.269
S209	-0.577	-0.747	-0.503	-0.412	-0.440	-0.181
S210	-0.879	-0.975	-0.510	-0.735	-0.447	-0.259
S211	-0.564	-0.758	-0.413	-0.454	-0.441	-0.357
\$212	-0.821	-0.898	-0.456	-0.274	-0.445	-0.414
S213	-0.583	-0.747	-0.352	-0.412	-0.442	-0.469
S214	-0.621	-0.676	-0.614	-0.296	-0.440	-0.314
\$215	-0.529	-0.906	-0.359	-0.307	-0.442	-0.421
\$216	-0.606	-0.689	-0.858	-0.393	-0.442	-0.379
S217	-0.482	-0.876	-0.330	-0.348	-0.461	-0.359
S218	-0.574	-0.755	-0.919	-0.469	-0.445	-0.383
S219	-0.367	-0.697	-0.488	-0.090	-0.476	-0.464
S220	-0.802	-0.844	-0.571	-0.517	-0.438	-0.414
\$221	-0.558	-0.820	-0.718	-0.547	-0.472	-0.517
\$222	0.614	-0.949	1.076	-0.720	-0.403	-0.998
\$223	-0.704	-0.932	-1.034	-0.429	-0.453	-1.215
\$224	0.648	-0.893	1.137	-0.731	-0.405	-0.927
\$225	-0.644	-0.812	-0.811	-0.359	-0.419	-0.898
S226	0.668	-0.835	0.947	-0.742	-0.418	-1.084
\$227	-0.640	-0.721	-0.732	-0.297	-0.416	-0.908
S228	0.674	-0.850	0.847	-0.754	-0.423	-1.022
S229	-0.659	-0.773	-0.366	-0.289	-0.418	-0.975
S230	0.668	-0.846	1.328	-0.759	-0.419	-1.277
\$231	-0.745	-0.839	-0.431	-0.396	-0.416	-0.972
S232	0.868	-0.603	1.500	-0.184	-0.413	-1.156
\$233	-0.821	-0.861	-0.381	-0.542	-0.417	-1.361
\$234	1.052	-0.592	1.432	-0.281	-0.415	-1.120
S235	-0.720	-0.730	-0.252	-0.433	-0.432	-1.339
S236	1.106	-0.553	1.284	-0.275	-0.420	-1.065
S237	-0.621	-0.717	-0.323	-0.268	-0.440	-1.389
S238	1.093	-0.613	1.442	-0.407	-0.420	-1.025

\$239	-0.625	-0.758	-0.610	-0.241	-0.443	-1.420
S240	0.918	-0.928	1.324	-0.441	-0.420	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

## MEAN AND STANDARD DEVIATION LEVEL 12

	Z2	Z5	Z7	Z9	Z11	Z12
S1	-0.910	-1.044	0.405	-0.504	-0.347	-0.245
S2	-0.917	-0.797	-0.424	-0.777	-0.465	-0.112
<b>S</b> 3	-0.917	-0.857	0.434	-0.513	-0.331	-0.189
<b>S4</b>	-0.923	-0.979	1.101	-0.808	-0.466	-0.083
<b>S</b> 5	-0.913	-0.818	0.097	-0.489	-0.301	-0.121
<b>S6</b>	-0.872	-0.413	1.324	-0.678	-0.476	-0.043
S7	-0.907	-0.824	0.003	-0.425	-0.313	-0.181
<b>S8</b>	-0.875	-0.583	1.475	-0.363	-0.476	-0.038
<u>\$9</u>	-0.923	-0.859	-0.445	-0.497	-0.320	-0.054
S10	-0.879	-0.728	1.629	-0.236	-0.470	-0.244
S11	-0.815	-0.609	0.416	-0.223	-0.333	-0.225
S12	-0.859	-0.626	1.478	-0.188	-0.314	-0.167
S13	-0.780	-0.476	0.667	-0.142	-0.336	-0.234
S14	-0.834	-0.519	1.536	-0.470	-0.322	-0.181
S15	-0.726	-0.232	0.229	0.027	-0.335	-0.193
S16	-0.790	-0.519	1.475	-0.626	-0.324	-0.077
S17	-0.755	-0.308	-0.470	-0.061	-0.336	-0.181
S18	-0.802	-0.545	1.119	-0.739	-0.325	-0.097
S19	-0.755	-0.631	-0.004	-0.658	-0.377	-0.241
S20	-0.917	-0.749	-0.427	-0.789	-0.340	-0.117
S21	-0.853	-0.850	-0.639	-0.986	2.450	0.008
S22	-0.866	-0.579	-1.665	-0.838	-0.329	-0.046

S23 -0.866 -0.792 -0.700 -0.929 2.602 0.03   S24 -0.828 -0.570 -1.328 -0.875 -0.327 -0.0   S25 -0.863 -0.779 -0.689 -0.932 2.698 5.0   S26 -0.796 -0.424 -0.086 -0.887 -0.321 0.0   S27 -0.866 -0.805 -0.481 -0.923 2.847 5.7   S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.0   S31 -0.866 -0.833 0.412 -0.972 2.895 5.7   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.0   S31 -0.818 -0.676 0.366 -0.553 -0.312 0.0   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.0   S34 -0.720 -0.437 0.025 -0.279 2.564 0.0   S35 -0.694							
S24 -0.828 -0.570 -1.328 -0.875 -0.327 -0.0   S25 -0.863 -0.779 -0.689 -0.932 2.698 5.00   S26 -0.796 -0.424 -0.086 -0.887 -0.321 0.00   S27 -0.866 -0.805 -0.481 -0.923 2.847 5.7   S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.00   S29 -0.866 -0.833 0.412 -0.972 2.895 5.7   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.66   S32 -0.700 -0.616 -0.044 -0.276 2.680 0.0   S33 -0.720 -0.437 0.025 -0.279 2.564 0.0   S35 -0.694 -0.260 -0.353 -0.729 2.652 0.0   S37 -0.777	S23	-0.866	-0.792	-0.700	-0.929	2.602	0.033
S25 -0.863 -0.779 -0.689 -0.932 2.698 5.00   S26 -0.796 -0.424 -0.086 -0.887 -0.321 0.00   S27 -0.866 -0.805 -0.481 -0.923 2.847 5.7   S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.00   S29 -0.866 -0.833 0.412 -0.972 2.895 5.7   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.66   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.424 0.301 -0.380 2.662 0.00   S35 -0.694 -0.260 -0.353 -0.729 2.652 0.00   S38 -0.717	S24	-0.828	-0.570	-1.328	-0.875	-0.327	-0.030
S26 -0.796 -0.424 -0.086 -0.887 -0.321 0.03   S27 -0.866 -0.805 -0.481 -0.923 2.847 5.74   S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.00   S29 -0.866 -0.833 0.412 -0.972 2.895 5.77   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.00   S38 -0.777	S25	-0.863	-0.779	-0.689	-0.932	2.698	5.046
S27 -0.866 -0.805 -0.481 -0.923 2.847 5.74   S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.00   S29 -0.866 -0.833 0.412 -0.972 2.895 5.77   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S36 -0.717 -0.424 0.301 -0.380 2.662 0.00   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.00   S40 -0.777	S26	-0.796	-0.424	-0.086	-0.887	-0.321	0.029
S28 -0.802 -0.510 -0.291 -0.690 -0.318 0.00   S29 -0.866 -0.833 0.412 -0.972 2.895 5.77   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S36 -0.717 -0.424 0.301 -0.380 2.662 0.00   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.00   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   S41 1.791	S27	-0.866	-0.805	-0.481	-0.923	2.847	5.741
S29 -0.866 -0.833 0.412 -0.972 2.895 5.77   S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.03   S34 -0.720 -0.437 0.025 -0.279 2.564 0.03   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.03   S36 -0.717 -0.424 0.301 -0.380 2.662 0.03   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769	S28	-0.802	-0.510	-0.291	-0.690	-0.318	0.079
S30 -0.793 -0.620 -0.015 -0.453 -0.312 0.00   S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S36 -0.717 -0.424 0.301 -0.380 2.662 0.00   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.00   S38 -0.717 -0.755 -1.949 -1.091 2.493 -0.00   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.00   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S44 1.810	S29	-0.866	-0.833	0.412	-0.972	2.895	5.775
S31 -0.818 -0.676 0.366 -0.585 2.756 4.69   S32 -0.790 -0.616 -0.004 -0.276 2.680 0.00   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S36 -0.717 -0.424 0.301 -0.380 2.662 0.00   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.00   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.00   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.00   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791	S30	-0.793	-0.620	-0.015	-0.453	-0.312	0.062
S32 -0.790 -0.616 -0.004 -0.276 2.680 0.04   S33 -0.707 -0.422 -0.226 -0.479 2.660 0.03   S34 -0.720 -0.437 0.025 -0.279 2.564 0.03   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.03   S36 -0.717 -0.424 0.301 -0.380 2.662 0.03   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.03   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 <t< td=""><td>S31</td><td>-<mark>0.81</mark>8</td><td>-0.676</td><td>0.366</td><td>-0.585</td><td>2.756</td><td>4.690</td></t<>	S31	- <mark>0.81</mark> 8	-0.676	0.366	-0.585	2.756	4.690
S33 -0.707 -0.422 -0.226 -0.479 2.660 0.00   S34 -0.720 -0.437 0.025 -0.279 2.564 0.00   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.00   S36 -0.717 -0.424 0.301 -0.380 2.662 0.00   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.00   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.00   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.00   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791	S32	-0.790	-0.616	-0.004	-0.276	2.680	0.049
S34 -0.720 -0.437 0.025 -0.279 2.564 0.03   S35 -0.694 -0.260 -0.359 -0.419 2.640 0.03   S36 -0.717 -0.424 0.301 -0.380 2.662 0.03   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.03   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.03   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.1	S33	-0.707	-0.422	-0.226	-0.479	2.660	0.027
S35 -0.694 -0.260 -0.359 -0.419 2.640 0.03   S36 -0.717 -0.424 0.301 -0.380 2.662 0.03   S37 -0.723 -0.301 -0.173 -0.505 2.604 0.03   S38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   S39 -0.809 -0.908 -0.137 -1.120 2.291 0.03   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.1	\$34	-0.720	-0.437	0.025	-0.279	2.564	0.038
\$36 -0.717 -0.424 0.301 -0.380 2.662 0.03   \$37 -0.723 -0.301 -0.173 -0.505 2.604 0.03   \$38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   \$39 -0.809 -0.908 -0.137 -1.120 2.291 0.03   \$40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   \$41 1.791 0.603 0.305 0.506 -0.333 -0.2   \$42 1.769 0.625 -0.460 0.449 -0.473 -0.1   \$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754<	S35	-0.694	-0.260	-0.359	-0.419	2.640	0.039
\$37 -0.723 -0.301 -0.173 -0.505 2.604 0.00   \$38 -0.713 -0.476 -0.553 -0.729 2.652 0.01   \$39 -0.809 -0.908 -0.137 -1.120 2.291 0.01   \$40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   \$41 1.791 0.603 0.305 0.506 -0.333 -0.2   \$42 1.769 0.625 -0.460 0.449 -0.473 -0.1   \$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754 0.696 0.579 -0.308 -0.1   \$48 1.839 1.032 <td>S36</td> <td>-0.717</td> <td>-0.424</td> <td>0.301</td> <td>-0.380</td> <td>2.662</td> <td>0.052</td>	S36	-0.717	-0.424	0.301	-0.380	2.662	0.052
S38 -0.713 -0.476 -0.553 -0.729 2.652 0.03   S39 -0.809 -0.908 -0.137 -1.120 2.291 0.01   S40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.180 1.482 0.510 -0.453 -0.0   S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703	S37	-0.723	-0.301	-0.173	-0.505	2.604	0.086
S39 -0.809 -0.908 -0.137 -1.120 2.291 0.00   \$40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   \$41 1.791 0.603 0.305 0.506 -0.333 -0.2   \$42 1.769 0.625 -0.460 0.449 -0.473 -0.1   \$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754 0.696 0.579 -0.308 -0.1   \$48 1.839 1.032 1.712 0.621 -0.442 -0.0   \$50 1.845 0.899 1.834 0.580 -0.443 -0.0   \$51 1.849 1.120	S38	-0.713	-0.476	-0.553	-0.729	2.652	0.027
\$40 -0.777 -0.755 -1.949 -1.091 2.493 -0.0   \$41 1.791 0.603 0.305 0.506 -0.333 -0.2   \$42 1.769 0.625 -0.460 0.449 -0.473 -0.1   \$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754 0.696 0.579 -0.308 -0.1   \$48 1.839 1.032 1.712 0.621 -0.442 -0.0   \$49 1.801 0.703 1.676 0.547 -0.303 -0.0   \$51 1.849 1.120 1.625 0.791 -0.316 -0.2   \$52 1.839 0.823	S39	-0.809	-0.908	-0.137	-1.120	2.291	0.055
S41 1.791 0.603 0.305 0.506 -0.333 -0.2   S42 1.769 0.625 -0.460 0.449 -0.473 -0.1   S43 1.804 0.733 0.427 0.541 -0.324 -0.2   S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.180 1.482 0.510 -0.453 -0.0   S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.327 -0.2   S54 1.849 1.148 <	S40	-0.777	-0.755	-1.949	-1.091	2.493	-0.098
\$42 1.769 0.625 -0.460 0.449 -0.473 -0.1   \$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754 0.696 0.579 -0.308 -0.1   \$48 1.839 1.032 1.712 0.621 -0.442 -0.0   \$49 1.801 0.703 1.676 0.547 -0.303 -0.0   \$50 1.845 0.899 1.834 0.580 -0.443 -0.0   \$51 1.849 1.120 1.625 0.791 -0.316 -0.2   \$51 1.849 1.148 1.722 0.573 -0.318 -0.0   \$55 1.925 1.400 <	S41	1.791	0.603	0.305	0.506	-0.333	-0.209
\$43 1.804 0.733 0.427 0.541 -0.324 -0.2   \$44 1.810 1.213 1.259 0.442 -0.465 -0.0   \$45 1.791 0.750 0.330 0.548 -0.301 -0.1   \$46 1.849 2.180 1.482 0.510 -0.453 -0.0   \$47 1.788 0.754 0.696 0.579 -0.308 -0.1   \$48 1.839 1.032 1.712 0.621 -0.442 -0.0   \$49 1.801 0.703 1.676 0.547 -0.303 -0.0   \$50 1.845 0.899 1.834 0.580 -0.443 -0.0   \$51 1.849 1.120 1.625 0.791 -0.316 -0.2   \$52 1.839 0.823 1.582 0.484 -0.310 -0.0   \$53 1.902 1.170 0.944 0.874 -0.327 -0.2   \$54 1.849 1.148 <t< td=""><td>S42</td><td>1.769</td><td>0.625</td><td>-0.460</td><td>0.449</td><td>-0.473</td><td>-0.155</td></t<>	S42	1.769	0.625	-0.460	0.449	-0.473	-0.155
S44 1.810 1.213 1.259 0.442 -0.465 -0.0   S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.180 1.482 0.510 -0.453 -0.0   S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S51 1.849 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S55 1.925 1.400 <t< td=""><td>S43</td><td>1.804</td><td>0.733</td><td>0.427</td><td>0.541</td><td>-0.324</td><td>-0.233</td></t<>	S43	1.804	0.733	0.427	0.541	-0.324	-0.233
S45 1.791 0.750 0.330 0.548 -0.301 -0.1   S46 1.849 2.180 1.482 0.510 -0.453 -0.0   S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 <t< td=""><td>S44</td><td>1.810</td><td>1.213</td><td>1.259</td><td>0.442</td><td>-0.465</td><td>-0.063</td></t<>	S44	1.810	1.213	1.259	0.442	-0.465	-0.063
S46 1.849 2.180 1.482 0.510 -0.453 -0.0   S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.327 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 <t< td=""><td>S45</td><td>1.791</td><td>0.750</td><td>0.330</td><td>0.548</td><td>-0.301</td><td>-0.161</td></t<>	S45	1.791	0.750	0.330	0.548	-0.301	-0.161
S47 1.788 0.754 0.696 0.579 -0.308 -0.1   S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S55 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 <t< td=""><td>S46</td><td>1.849</td><td>2.180</td><td>1.482</td><td>0.510</td><td>-0.453</td><td>-0.040</td></t<>	S46	1.849	2.180	1.482	0.510	-0.453	-0.040
S48 1.839 1.032 1.712 0.621 -0.442 -0.0   S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 <t< td=""><td>S47</td><td>1.788</td><td>0.754</td><td>0.696</td><td>0.579</td><td>-0.308</td><td>-0.106</td></t<>	S47	1.788	0.754	0.696	0.579	-0.308	-0.106
S49 1.801 0.703 1.676 0.547 -0.303 -0.0   S50 1.845 0.899 1.834 0.580 -0.443 -0.0   S51 1.849 1.120 1.625 0.791 -0.316 -0.2   S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 <t< td=""><td>S48</td><td>1.839</td><td>1.032</td><td>1.712</td><td>0.621</td><td>-0.442</td><td>-0.017</td></t<>	S48	1.839	1.032	1.712	0.621	-0.442	-0.017
\$50 1.845 0.899 1.834 0.580 -0.443 -0.0   \$51 1.849 1.120 1.625 0.791 -0.316 -0.2   \$52 1.839 0.823 1.582 0.484 -0.310 -0.0   \$53 1.902 1.170 0.944 0.874 -0.327 -0.2   \$54 1.849 1.148 1.722 0.573 -0.318 -0.0   \$55 1.925 1.400 0.172 1.063 -0.330 -0.2   \$56 1.893 0.911 1.087 0.431 -0.322 -0.0   \$57 1.877 1.340 0.204 0.957 -0.333 -0.1   \$58 1.915 0.726 1.274 0.284 -0.323 -0.0   \$59 1.690 0.970 0.305 0.539 -0.379 -0.0   \$60 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$61 1.883 0.896 <	S49	1.801	0.703	1.676	0.547	-0.303	-0.055
\$\$51 1.849 1.120 1.625 0.791 -0.316 -0.2   \$\$52 1.839 0.823 1.582 0.484 -0.310 -0.0   \$\$53 1.902 1.170 0.944 0.874 -0.327 -0.2   \$\$54 1.849 1.148 1.722 0.573 -0.318 -0.0   \$\$55 1.925 1.400 0.172 1.063 -0.330 -0.2   \$\$56 1.893 0.911 1.087 0.431 -0.322 -0.0   \$\$57 1.877 1.340 0.204 0.957 -0.333 -0.1   \$\$58 1.915 0.726 1.274 0.284 -0.323 -0.0   \$\$59 1.690 0.970 0.305 0.539 -0.379 -0.0   \$\$60 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$\$61 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$\$62 -0.910 -1.044	S50	1.845	0.899	1.834	0.580	-0.443	-0.070
S52 1.839 0.823 1.582 0.484 -0.310 -0.0   S53 1.902 1.170 0.944 0.874 -0.327 -0.2   S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S51	1.849	1.120	1.625	0.791	-0.316	-0.220
\$53 1.902 1.170 0.944 0.874 -0.327 -0.2   \$54 1.849 1.148 1.722 0.573 -0.318 -0.0   \$55 1.925 1.400 0.172 1.063 -0.330 -0.2   \$56 1.893 0.911 1.087 0.431 -0.322 -0.0   \$57 1.877 1.340 0.204 0.957 -0.333 -0.1   \$58 1.915 0.726 1.274 0.284 -0.323 -0.0   \$59 1.690 0.970 0.305 0.539 -0.379 -0.0   \$60 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$61 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S52	1.839	0.823	1.582	0.484	-0.310	-0.097
S54 1.849 1.148 1.722 0.573 -0.318 -0.0   S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S53	1.902	1.170	0.944	0.874	-0.327	-0.223
S55 1.925 1.400 0.172 1.063 -0.330 -0.2   S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S54	1.849	1.148	1.722	0.573	-0.318	-0.015
S56 1.893 0.911 1.087 0.431 -0.322 -0.0   S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S55	1.925	1.400	0.172	1.063	-0.330	-0.207
S57 1.877 1.340 0.204 0.957 -0.333 -0.1   S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S56	1.893	0.911	1.087	0.431	-0.322	-0.002
S58 1.915 0.726 1.274 0.284 -0.323 -0.0   S59 1.690 0.970 0.305 0.539 -0.379 -0.0   S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S57	1.877	1.340	0.204	0.957	-0.333	-0.199
\$59 1.690 0.970 0.305 0.539 -0.379 -0.0   \$60 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$61 1.883 0.896 -0.036 0.354 -0.329 -0.1   \$62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S58	1.915	0.726	1.274	0.284	-0.323	-0.072
S60 1.883 0.896 -0.036 0.354 -0.329 -0.1   S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S59	1.690	0.970	0.305	0.539	-0.379	-0.061
S61 1.883 0.896 -0.036 0.354 -0.329 -0.1   S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S60	1.883	0.896	-0.036	0.354	-0.329	-0.123
S62 -0.910 -1.044 0.405 -0.504 -0.347 -0.2	S61	1.883	0.896	-0.036	0.354	-0.329	-0.123
	S62	-0.910	-1.044	0.405	-0.504	-0.347	-0.245
S63 -0.917 -0.797 -0.424 -0.777 -0.465 -0.1	S63	-0.917	-0.797	-0.424	-0.777	-0.465	-0.112
S64 -0.917 -0.857 0.434 -0.513 -0.331 -0.1	S64	-0.917	-0.857	0.434	-0.513	-0.331	-0.189
S65 -0.923 -0.979 1.101 -0.808 -0.466 -0.0	S65	-0.923	-0.979	1.101	-0.808	-0.466	-0.083
S66 -0.913 -0.818 0.097 -0.489 -0.301 -0.1	S66	-0.913	-0.818	0.097	-0.489	-0.301	-0.121
S67 -0.872 -0.413 1.324 -0.678 -0.476 -0.0	S67	-0.872	-0.413	1.324	-0.678	-0.476	-0.043
S68 -0.907 -0.824 0.003 -0.425 -0.313 -0.1	S68	-0.907	-0.824	0.003	-0.425	-0.313	-0.181
S69 -0.875 -0.583 1.475 -0.363 -0.476 -0.0	S69	-0.875	-0.583	1.475	-0.363	-0.476	-0.038
S70 -0.923 -0.859 -0.445 -0.497 -0.320 -0.0	S70	-0.923	-0.859	-0.445	-0.497	-0.320	-0.054

S71	-0.879	-0.728	1.629	-0.236	-0.470	-0.244
\$72	-0.815	-0.609	0.416	-0.223	-0.333	-0.225
S73	-0.859	-0.626	1.478	-0.188	-0.314	-0.167
\$74	-0.780	-0.476	0.667	-0.142	-0.336	-0.234
S75	-0.834	-0.519	1.536	-0.470	-0.322	-0.181
S76	-0.726	-0.232	0.229	0.027	-0.335	-0.193
S77	-0.790	-0.519	1.475	-0.626	-0.324	-0.077
S78	-0.755	-0.308	-0.470	-0.061	-0.336	-0.181
S79	-0.802	-0.545	1.119	-0.739	-0.325	-0.097
S80	-0.755	-0.631	-0.004	-0.658	-0.377	-0.241
S81	-0.917	-0.749	-0.427	-0.789	-0.340	-0.117
S82	-0.853	-0.850	-0.639	-0.986	2.450	0.008
S83	-0.866	-0.579	-1.665	-0.838	-0.329	-0.046
S84	-0.866	-0.792	-0.700	-0.929	2.602	0.033
S85	-0.828	-0.570	-1.328	-0.875	-0.327	-0.030
S86	-0.863	-0.779	-0.689	-0.932	2.698	5.046
S87	-0.796	-0.424	-0.086	-0.887	-0.321	0.029
S88	-0.866	-0.805	-0.481	-0.923	2.847	5.741
S89	-0.802	-0.510	-0.291	-0.690	-0.318	0.079
<b>S90</b>	-0.866	-0.833	0.412	-0.972	2.895	5.775
S91	-0.793	-0.620	-0.015	-0.453	-0.312	0.062
S92	-0.818	-0.676	0.366	-0.585	2.756	4.690
S93	-0.790	-0.616	-0.004	-0.276	2.680	0.049
S94	-0.707	-0.422	-0.226	-0.479	2.660	0.027
S95	-0.720	-0.437	0.025	-0.279	2.564	0.038
S96	-0.694	-0.260	-0.359	-0.419	2.640	0.039
S97	-0.717	-0.424	0.301	-0.380	2.662	0.052
S98	-0.723	-0.301	-0.173	-0.505	2.604	0.086
S99	-0.713	-0.476	-0.553	-0.729	2.652	0.027
S100	-0.809	-0.908	-0.137	-1.120	2.291	0.055
S101	-0.777	-0.755	-1.949	-1.091	2.493	-0.098
S102	1.791	0.603	0.305	0.506	-0.333	-0.209
S103	1.769	0.625	-0.460	0.449	-0.473	-0.155
S104	1.804	0.733	0.427	0.541	-0.324	-0.233
S105	1.810	1.213	1.259	0.442	-0.465	-0.063
S106	1.791	0.750	0.330	0.548	-0.301	-0.161
S107	1.849	2.180	1.482	0.510	-0.453	-0.040
S108	1.788	0.754	0.696	0.579	-0.308	-0.106
S109	1.839	1.032	1.712	0.621	-0.442	-0.017
S110	1.801	0.703	1.676	0.547	-0.303	-0.055
S111	1.845	0.899	1.834	0.580	-0.443	-0.070
S112	1.849	1.120	1.625	0.791	-0.316	-0.220
S113	1.839	0.823	1.582	0.484	-0.310	-0.097
S114	1.902	1.170	0.944	0.874	-0.327	-0.223
S115	1.849	1.148	1.722	0.573	-0.318	-0.015
S116	1.925	1.400	0.172	1.063	-0.330	-0.207
S117	1.893	0.911	1.087	0.431	-0.322	-0.002
S118	1.877	1.340	0.204	0.957	-0.333	-0.199

S119	1.915	0.726	1.274	0.284	-0.323	-0.072
S120	1.690	0.970	0.305	0.539	-0.379	-0.061
S121	1.883	0.896	-0.036	0.354	-0.329	-0.123
S122	-0.647	1.605	-0.869	0.889	-0.401	-0.270
S123	-0.510	2.567	2.584	0.917	-0.492	-0.396
S124	-0.612	1.945	-1.910	0.243	-0.389	-0.247
S125	0.017	2.565	1.765	0.894	-0.493	-0.425
S126	-0.621	1.969	-2.089	1.012	-0.378	-0.232
S127	0.071	2.576	-0.259	0.911	-0.491	-0.337
S128	-0.571	1.969	-1.899	1.012	-0.375	-0.213
S129	-0.069	2.604	-1.102	1.177	-0.476	-0.234
S130	-0.145	1.997	-0.697	1.033	-0.375	-0.268
S131	0.014	2.531	-0.754	1.374	-0.336	-0.238
S132	0.496	2.611	-0.976	1.175	-0.389	-0.294
S133	-0.152	2.553	-0.219	1.383	-0.345	-0.323
S134	0.522	2.847	-1.020	1.379	-0.393	-0.305
\$135	0.068	2.738	0.186	1.290	-0.347	-0.312
\$136	0.522	2.820	-1.292	1.302	-0.397	-0.295
S137	0.102	2.785	-0.707	1.084	-0.350	-0.303
S138	-0.037	2.539	-1.490	1.116	-0.406	-0.286
S139	0.071	2.634	-1.185	1.056	-0.356	-0.300
S140	-1.431	2.113	-1.371	0.749	-0.423	-0.290
S141	-0.040	2.029	-1.217	1.023	-0.350	-0.337
S142	-0.650	-0.215	-0.011	-0.539	-0.362	-0.620
S143	-0.107	-0.097	3.075	-0.493	-0.476	-0.428
S144	-0.466	-0.349	-0.564	-0.499	-0.356	-0.596
S145	0.026	0.067	2.325	-0.514	-0.494	-0.399
S146	-0.425	-0.096	-1.371	-0.470	-0.346	-0.565
S147	0.261	0.507	-0.025	-0.561	-0.498	-0.333
S148	-0.348	-0.092	-1.608	-0.442	-0.344	-0.469
S149	0.436	0.448	-0.951	-0.381	-0.505	-0.306
S150	-0.355	-0.124	-1.533	-0.398	-0.337	-0.438
\$151	0.420	0.242	-0.894	-0.103	-0.471	-0.316
S152	0.125	0.435	-1.479	-0.068	-0.340	-0.522
S153	-0.164	0.240	0.621	-0.383	-0.343	-0.319
S154	0.709	0.647	-1.551	-0.051	-0.346	-0.537
S155	0.277	0.474	0.599	-0.236	-0.349	-0.267
S156	0.801	0.786	-1.210	-0.082	-0.354	-0.526
S157	0.585	0.616	0.577	-0.568	-0.354	-0.274
S158	1.454	1.452	0.973	0.346	0.059	-0.284
S159	0.588	0.629	0.061	-0.696	-0.349	-0.338
S160	0.464	-0.047	0.674	-0.287	-0.393	-0.518
S161	0.055	0.380	-0.366	-0.728	0.658	-0.372
S162	-0.117	-0.609	-0.779	-0.626	-0.325	-0.234
S163	0.855	-0.137	-0.643	-0.558	-0.461	-0.147
S164	0.271	-0.531	-1.335	-0.563	-0.328	-0.237
S165	0.836	0.242	2.060	-0.540	-0.461	-0.135
S166	0.309	-0.387	-1.407	-0.542	-0.316	-0.131

S167	1.023	0.444	-0.600	-0.488	-0.461	-0.117
S168	0.347	-0.370	-1.917	-0.476	-0.312	-0.063
S169	1.141	0.304	-0.919	-0.209	-0.464	-0.082
S170	0.417	-0.241	-1.920	-0.443	-0.303	-0.054
S171	1.071	0.196	-0.743	-0.190	-0.452	-0.118
S172	0.985	0.489	-1.935	-0.388	-0.314	-0.177
S173	0.883	0.097	0.298	-0.129	-0.396	-0.112
S174	-0.066	0.513	-1.935	-0.102	-0.333	-0.196
S175	1.112	0.110	0.193	-0.230	-0.315	-0.082
S176	-0.040	0.625	-1.823	-0.338	-0.331	-0.176
S177	1.118	0.194	0.574	-0.291	-0.327	-0.058
S178	-0.282	0.534	-1.002	-0.305	-0.339	-0.178
S179	1.058	0.438	-1.037	-0.423	-0.326	-0.096
S180	0.258	0.147	0.337	-0.770	-0.361	-0.210
S181	0.782	-0.349	-0.833	-0.287	-0.338	-0.143
S182	-0.707	-0.911	-0.402	0.071	-0.382	-0.418
S183	-0.488	-0.796	-0.585	-0.253	-0.451	-0.198
S184	-0.647	-0.797	-0.417	-0.631	-0.375	-0.368
S185	-0.425	-0.555	-0.560	-0.830	-0.457	-0.168
S186	-0.663	-0.792	-0.524	-1.255	-0.358	-0.301
S187	-0.301	-0.480	-0.043	0.878	-0.448	-0.124
S188	-0.625	-0.781	-0.409	-1.192	-0.353	-0.179
S189	-0.298	-0.405	0.104	0.468	-0.471	-0.081
S190	-0.618	-0.768	-0.051	-1.042	-0.350	-0.244
S191	-0.418	-0.620	0.373	-0.013	-0.475	-0.082
S192	-0.447	-0.573	0.014	-0.276	-0.355	-0.394
\$193	-0.418	-0.536	0.132	-0.665	-0.357	-0.103
S194	-0.253	-0.467	-0.309	-1.183	-0.362	-0.379
S195	-0.428	-0.532	0.262	-0.608	-0.356	-0.097
S196	-0.139	-0.443	0.007	-1.178	-0.366	-0.345
S197	-0.402	-0.529	0.208	0.634	-0.364	-0.091
S198	-0.244	-0.480	0.089	1.157	-0.373	-0.350
S199	-0.374	-0.484	-0.022	2.848	-0.364	-0.129
\$200	-0.815	-0.657	-0.492	1.077	-0.405	-0.391
S201	-0.498	-0.790	-0.438	1.859	-0.367	-0.212
\$202	-0.885	-1.061	-0.872	1.543	-0.421	-0.352
S203	-0.726	-0.863	-1.016	-0.597	-0.482	-0.271
S204	-0.882	-1.081	-0.858	2.611	-0.421	-0.348
S205	-0.796	-0.829	-1.034	-1.499	-0.490	-0.258
S206	-0.866	-0.788	-0.923	1.886	-0.412	-0.309
S207	-0.602	-0.745	-0.460	-1.321	-0.486	-0.202
S208	-0.837	-0.945	-0.858	2.116	-0.405	-0.240
S209	-0.577	-0.747	-0.503	-1.278	-0.484	-0.237
S210	-0.879	-0.975	-0.510	0.814	-0.403	-0.234
\$211	-0.564	-0.758	-0.413	-1.218	-0.496	-0.280
\$212	-0.821	-0.898	-0.456	0.520	-0.407	-0.338
\$213	-0.583	-0.747	-0.352	-1.125	-0.406	-0.274
S214	-0.621	-0.676	-0.614	-0.929	-0.410	-0.342

S215	-0.529	-0.906	-0.359	-1.230	-0.407	-0.244
S216	-0.606	-0.689	-0.858	-0.771	-0.413	-0.346
S217	-0.482	-0.876	-0.330	-1.258	-0.408	-0.233
S218	-0.574	-0.755	-0.919	3.264	-0.418	-0.335
S219	-0.367	-0.697	-0.488	-1.088	-0.410	-0.238
S220	-0.802	-0.844	-0.571	3.342	-0.429	-0.324
S221	-0.558	-0.820	-0.718	2.302	-0.428	-0.263
S222	0.614	-0.949	1.076	1.996	-0.410	-0.355
S223	-0.704	-0.932	-1.034	0.353	-0.500	-0.233
S224	0.648	-0.893	1.137	2.839	-0.389	-0.384
S225	-0.644	-0.812	-0.811	-0.143	-0.485	-0.217
S226	0.668	-0.835	0.947	2.852	-0.387	-0.310
S227	-0.640	-0.721	-0.732	-1.316	-0.499	-0.205
S228	0.674	-0.850	0.847	3.443	-0.384	-0.233
S229	-0.659	-0.773	-0.366	-1.254	-0.494	-0.168
S230	0.668	-0.846	1.328	2.268	-0.380	-0.202
S231	-0.745	-0.839	-0.431	-1.085	-0.425	-0.162
S232	0.868	-0.603	1.500	0.788	-0.379	-0.219
S233	-0.821	-0.861	-0.381	-1.233	-0.387	-0.179
S234	1.052	-0.592	1.432	-1.081	-0.382	-0.294
S235	-0.720	-0.730	-0.252	-1.264	-0.389	-0.258
S236	1.106	-0.553	1.284	0.439	-0.387	-0.299
S237	-0.621	-0.717	-0.323	-1.254	-0.403	-0.182
S238	1.093	-0.613	1.442	3.667	-0.393	-0.286
\$239	-0.625	-0.758	-0.610	-1.148	-0.394	-0.200
S240	0.918	-0.928	1.324	3.474	-0.314	-0.286
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

	ANDS	IANDA	IND DE			
	Z3	Z4	Z7	Z8	Z11	Z12
S1	-0.611	1.850	0.405	-0.727	-0.347	-0.245
S2	-0.598	0.137	-0.424	0.021	-0.465	-0.112
<b>S</b> 3	-0.625	-0.486	0.434	-0.716	-0.331	-0.189
<b>S4</b>	-0.627	0.448	1.101	-0.017	-0.466	-0.083
<b>S</b> 5	-0.631	-0.670	0.097	-0.730	-0.301	-0.121
<b>S6</b>	-0.620	1.128	1.324	0.094	-0.476	-0.043
<b>S7</b>	-0.636	-0.184	0.003	-0.739	-0.313	-0.181
<u>S8</u>	-0.642	1.137	1.475	-0.041	-0.476	-0.038
<u>\$9</u>	-0.647	0.665	-0.445	-0.733	-0.320	-0.054
S10	-0.660	1.180	1.629	-0.340	-0.470	-0.244
S11	-0.642	-0.061	0.416	0.150	-0.333	-0.225
S12	-0.638	0.826	1.478	-0.430	-0.314	-0.167
S13	-0.642	-0.844	0.667	0.145	-0.336	-0.234
S14	-0.647	0.788	1.536	-0.081	-0.322	-0.181
S15	-0.629	-1.104	0.229	0.229	-0.335	-0.193
S16	-0.649	0.736	1.475	0.024	-0.324	-0.077
S17	-0.605	-0.759	-0.470	0.028	-0.336	-0.181
S18	- <mark>0.634</mark>	0.647	1.119	-0.043	-0.325	-0.097
S19	-0.600	-1.019	-0.004	-0.291	-0.377	-0.241
S20	- <mark>0.634</mark>	-0.821	-0.427	-0.211	-0.340	-0.117
S21	-0.642	-0.212	-0.639	-0.694	2.450	0.008
S22	-0.651	-0.849	-1.665	-0.429	-0.329	-0.046
S23	-0.640	-0.340	-0.700	-0.693	2.602	0.033
S24	-0.645	-0.736	-1.328	-0.436	-0.327	-0.030
S25	-0.634	-1.184	-0.689	-0.704	2.698	5.046
S26	- <mark>0.64</mark> 2	0.156	-0.086	-0.433	-0.321	0.029
S27	- <mark>0.62</mark> 0	-0.745	-0.481	-0.736	2.847	5.741
S28	-0.638	0.293	-0.291	-0.353	-0.318	0.079
S29	- <mark>0.62</mark> 0	0.062	0.412	-0.741	2.895	5.775
S30	-0.620	0.208	-0.015	-0.606	-0.312	0.062
S31	- <mark>0.61</mark> 8	-0.217	0.366	0.192	2.756	4.690
S32	-0.611	-0.193	-0.004	-0.629	2.680	0.049
\$33	-0.627	-1.590	-0.226	0.339	2.660	0.027
\$34	-0.605	-0.193	0.025	-0.261	2.564	0.038
S35	- <mark>0.64</mark> 2	-2.203	-0.359	0.104	2.640	0.039
S36	-0.600	-0.160	0.301	-0.348	2.662	0.052
S37	-0.658	-2.279	-0.173	-0.001	2.604	0.086
S38	-0.607	-0.151	-0.553	-0.407	2.652	0.027
S39	-0.660	-2.250	-0.137	-0.296	2.291	0.055
S40	-0.609	-1.873	-1.949	-0.144	2.493	-0.098
S41	1.221	0.146	0.305	0.050	-0.333	-0.209
S42	1.210	-0.028	-0.460	0.510	-0.473	-0.155
S43	1.230	-0.495	0.427	0.037	-0.324	-0.233
S44	1.206	0.656	1.259	0.627	-0.465	-0.063
S45	1.232	-0.627	0.330	0.028	-0.301	-0.161
S46	1.212	1.312	1.482	0.809	-0.453	-0.040

MEAN AND STANDARD DEVIATION LEVEL 13

S47	1.232	0.033	0.696	6.841	-0.308	-0.106
S48	1.223	1.505	1.712	0.803	-0.442	-0.017
S49	1.232	1.284	1.676	6.439	-0.303	-0.055
S50	1.232	1.576	1.834	0.725	-0.443	-0.070
S51	1.230	0.831	1.625	0.897	-0.316	-0.220
S52	1.237	1.005	1.582	0.643	-0.310	-0.097
S53	1.228	-0.297	0.944	0.907	-0.327	-0.223
S54	1.237	1.019	1.722	0.133	-0.318	-0.015
S55	1.219	-1.269	0.172	0.736	-0.330	-0.207
S56	1.234	1.137	1.087	0.827	-0.322	-0.002
S57	1.208	-1.227	0.204	0.674	-0.333	-0.199
S58	1.232	1.213	1.274	0.661	-0.323	-0.072
S59	1.186	-0.986	0.305	0.440	-0.379	-0.061
S60	1.212	0.599	-0.036	0.443	-0.329	-0.123
S61	1.212	0.599	-0.036	0.443	-0.329	-0.123
S62	-0.611	1.850	0.405	-0.727	-0.347	-0.245
S63	-0.598	0.137	-0.424	0.021	-0.465	-0.112
S64	-0.625	-0.486	0.434	-0.716	-0.331	-0.189
S65	-0.627	0.448	1.101	-0.017	-0.466	-0.083
S66	-0.631	-0.670	0.097	-0.730	-0.301	-0.121
S67	-0.620	1.128	1.324	0.094	-0.476	-0.043
S68	-0.636	-0.184	0.003	-0.739	-0.313	-0.181
S69	-0.642	1.137	1.475	-0.041	-0.476	-0.038
S70	-0.647	0.665	-0.445	-0.733	-0.320	-0.054
S71	-0.660	1.180	1.629	-0.340	-0.470	-0.244
S72	-0.642	-0.061	0.416	0.150	-0.333	-0.225
\$73	-0.638	0.826	1.478	-0.430	-0.314	-0.167
\$74	-0.642	-0.844	0.667	0.145	-0.336	-0.234
\$75	-0.647	0.788	1.536	-0.081	-0.322	-0.181
\$76	-0.629	-1.104	0.229	0.229	-0.335	-0.193
S77	-0.649	0.736	1.475	0.024	-0.324	-0.077
S78	-0.605	-0.759	-0.470	0.028	-0.336	-0.181
S79	-0.634	0.647	1.119	-0.043	-0.325	-0.097
S80	-0.600	-1.019	-0.004	-0.291	-0.377	-0.241
S81	-0.634	-0.821	-0.427	-0.211	-0.340	-0.117
S82	-0.642	-0.212	-0.639	-0.694	2.450	0.008
S83	-0.651	-0.849	-1.665	-0.429	-0.329	-0.046
S84	-0.640	-0.340	-0.700	-0.693	2.602	0.033
S85	-0.645	-0.736	-1.328	-0.436	-0.327	-0.030
S86	-0.634	-1.184	-0.689	-0.704	2.698	5.046
S87	-0.642	0.156	-0.086	-0.433	-0.321	0.029
S88	-0.620	-0.745	-0.481	-0.736	2.847	5.741
S89	-0.638	0.293	-0.291	-0.353	-0.318	0.079
S90	-0.620	0.062	0.412	-0.741	2.895	5.775
S91	-0.620	0.208	-0.015	-0.606	-0.312	0.062
S92	-0.618	-0.217	0.366	0.192	2.756	4.690
S93	-0.611	-0.193	-0.004	-0.629	2.680	0.049
S94	-0.627	-1.590	-0.226	0.339	2.660	0.027

\$95	-0.605	-0.193	0.025	-0.261	2.564	0.038
\$96	-0.642	-2.203	-0.359	0.104	2.640	0.039
\$97	-0.600	-0.160	0.301	-0.348	2.662	0.052
S98	-0.658	-2.279	-0.173	-0.001	2.604	0.086
\$99	-0.607	-0.151	-0.553	-0.407	2.652	0.027
S100	-0.660	-2.250	-0.137	-0.296	2.291	0.055
S101	-0.609	-1.873	-1.949	-0.144	2.493	-0.098
S102	1.221	0.146	0.305	0.050	-0.333	-0.209
S103	1.210	-0.028	-0.460	0.510	-0.473	-0.155
S104	1.230	-0.495	0.427	0.037	-0.324	-0.233
S105	1.206	0.656	1.259	0.627	-0.465	-0.063
S106	1.232	-0.627	0.330	0.028	-0.301	-0.161
S107	1.212	1.312	1.482	0.809	-0.453	-0.040
S108	1.232	0.033	0.696	6.841	-0.308	-0.106
S109	1.223	1.505	1.712	0.803	-0.442	-0.017
S110	1.232	1.284	1.676	6.439	-0.303	-0.055
S111	1.232	1.576	1.834	0.725	-0.443	-0.070
S112	1.230	0.831	1.625	0.897	-0.316	-0.220
S113	1.237	1.005	1.582	0.643	-0.310	-0.097
S114	1.228	-0.297	0.944	0.907	-0.327	-0.223
\$115	1.237	1.019	1.722	0.133	-0.318	-0.015
S116	1.219	-1.269	0.172	0.736	-0.330	-0.207
\$117	1.234	1.137	1.087	0.827	-0.322	-0.002
S118	1.208	-1.227	0.204	0.674	-0.333	-0.199
S119	1.232	1.213	1.274	0.661	-0.323	-0.072
S120	1.186	-0.986	0.305	0.440	-0.379	-0.061
S121	1.212	0.599	-0.036	0.443	-0.329	-0.123
\$122	2.317	0.189	-0.869	0.427	-0.401	-0.270
\$123	2.302	0.505	2.584	0.887	-0.492	-0.396
\$124	2.397	-0.330	-1.910	0.436	-0.389	-0.247
\$125	2.317	0.840	1.765	0.828	-0.493	-0.425
S126	2.470	-0.259	-2.089	0.418	-0.378	-0.232
S127	2.408	1.175	-0.259	0.942	-0.491	-0.337
S128	2.537	-0.122	-1.899	0.417	-0.375	-0.213
S129	2.508	1.519	-1.102	0.959	-0.476	-0.234
\$130	2.579	0.486	-0.697	0.564	-0.375	-0.268
\$131	2.599	1.552	-0.754	0.964	-0.336	-0.238
S132	2.608	0.595	-0.976	0.944	-0.389	-0.294
S133	2.583	0.972	-0.219	0.833	-0.345	-0.323
S134	2.610	0.425	-1.020	0.975	-0.393	-0.305
\$135	2.523	0.873	0.186	0.910	-0.347	-0.312
S136	2.521	-1.462	-1.292	0.934	-0.397	-0.295
S137	2.479	1.019	-0.707	0.943	-0.350	-0.303
S138	2.388	-1.529	-1.490	0.901	-0.406	-0.286
S139	2.519	0.972	-1.185	0.915	-0.356	-0.300
S140	2.346	-0.703	-1.371	0.798	-0.423	-0.290
S141	2.239	-0.325	-1.217	0.884	-0.350	-0.337
S142	-0.620	1.340	-0.011	-0.700	-0.362	-0.620

S143	-0.645	1.552	3.075	-0.269	-0.476	-0.428
S144	-0.574	0.481	-0.564	-0.707	-0.356	-0.596
S145	-0.540	1.321	2.325	-0.250	-0.494	-0.399
S146	-0.447	-0.476	-1.371	-0.709	-0.346	-0.565
S147	-0.527	2.222	-0.025	-0.208	-0.498	-0.333
S148	-0.412	0.203	-1.608	-0.724	-0.344	-0.469
S149	-0.401	2.307	-0.951	-0.194	-0.505	-0.306
S150	-0.323	1.661	-1.533	-0.614	-0.337	-0.438
S151	-0.296	2.340	-0.894	-0.328	-0.471	-0.316
S152	-0.270	1.859	-1.479	-0.152	-0.340	-0.522
S153	-0.279	1.878	0.621	-0.239	-0.343	-0.319
S154	-0.281	-0.042	-1.551	-0.149	-0.346	-0.537
\$155	-0.272	1.741	0.599	-0.168	-0.349	-0.267
S156	-0.418	-0.118	-1.210	-0.160	-0.354	-0.526
S157	-0.354	1.864	0.577	-0.146	-0.354	-0.274
S158	0.124	0.472	0.973	-0.053	0.059	-0.284
\$159	-0.401	1.803	0.061	-0.183	-0.349	-0.338
S160	-0.565	0.170	0.674	-0.312	-0.393	-0.518
S161	-0.556	-0.830	-0.366	-0.194	0.658	-0.372
S162	-0.527	0.831	-0.779	-0.709	-0.325	-0.234
S163	-0.531	0.330	-0.643	-0.402	-0.461	-0.147
S164	-0.518	-0.547	-1.335	-0.700	-0.328	-0.237
S165	-0.487	0.647	2.060	-0.272	-0.461	-0.135
S166	-0.421	-0.217	-1.407	-0.709	-0.316	-0.131
S167	-0.398	1.435	-0.600	-0.196	-0.461	-0.117
S168	-0.385	0.326	-1.917	-0.709	-0.312	-0.063
S169	-0.256	1.887	-0.919	-0.194	-0.464	-0.082
S170	-0.256	1.368	-1.920	-0.678	-0.303	-0.054
S171	-0.234	2.020	-0.743	-0.187	-0.452	-0.118
S172	-0.201	1.350	-1.935	-0.365	-0.314	-0.177
S173	-0.183	1.543	0.298	-0.189	-0.396	-0.112
S174	-0.188	-0.236	-1.935	-0.088	-0.333	-0.196
S175	-0.228	1.444	0.193	-0.160	-0.315	-0.082
S176	-0.270	-0.613	-1.823	-0.157	-0.331	-0.176
S177	-0.330	1.505	0.574	-0.165	-0.327	-0.058
S178	-0.423	0.137	-1.002	-0.201	-0.339	-0.178
S179	-0.396	1.642	-1.037	-0.202	-0.326	-0.096
S180	-0.496	1.439	0.337	-0.221	-0.361	-0.210
S181	-0.485	1.491	-0.833	-0.209	-0.338	-0.143
S182	-0.596	-0.656	-0.402	-0.741	-0.382	-0.418
S183	-0.607	-0.623	-0.585	-0.344	-0.451	-0.198
S184	-0.571	-0.703	-0.417	-0.723	-0.375	-0.368
S185	-0.596	-0.269	-0.560	-0.242	-0.457	-0.168
S186	-0.538	-0.953	-0.524	-0.721	-0.358	-0.301
S187	-0.545	-0.160	-0.043	-0.199	-0.448	-0.124
S188	-0.496	-0.882	-0.409	-0.743	-0.353	-0.179
S189	-0.503	0.080	0.104	-0.179	-0.471	-0.081
S190	-0.474	-0.401	-0.051	-0.745	-0.350	-0.244

S191	-0.478	0.066	0.373	-0.275	-0.475	-0.082
S192	-0.454	-0.047	0.014	-0.279	-0.355	-0.394
S193	-0.452	-0.170	0.132	-0.283	-0.357	-0.103
S194	-0.456	-0.226	-0.309	-0.130	-0.362	-0.379
S195	-0.458	-0.179	0.262	-0.168	-0.356	-0.097
S196	-0.483	-0.972	0.007	-0.234	-0.366	-0.345
S197	-0.474	-0.113	0.208	-0.193	-0.364	-0.091
S198	-0.540	-1.094	0.089	-0.308	-0.373	-0.350
S199	-0.529	-0.085	-0.022	-0.243	-0.364	-0.129
S200	-0.571	-1.052	-0.492	-0.384	-0.405	-0.391
S201	-0.569	-0.170	-0.438	-0.295	-0.367	-0.212
S202	-0.658	-0.953	-0.872	-0.755	-0.421	-0.352
S203	-0.649	-0.774	-1.016	-0.483	-0.482	-0.271
S204	-0.649	-1.184	-0.858	-0.759	-0.421	-0.348
\$205	-0.629	-0.684	-1.034	-0.442	-0.490	-0.258
S206	-0.598	-1.264	-0.923	-0.758	-0.412	-0.309
S207	-0.609	-0.590	-0.460	-0.427	-0.486	-0.202
S208	-0.600	-1.165	-0.858	-0.742	-0.405	-0.240
S209	-0.589	-0.505	-0.503	-0.412	-0.484	-0.237
S210	-0.576	-0.698	-0.510	-0.735	-0.403	-0.234
S211	-0.565	-0.519	-0.413	-0.454	-0.496	-0.280
S212	-0.556	-0.575	-0.456	-0.274	-0.407	-0.338
S213	-0.538	-0.561	-0.352	-0.412	-0.406	-0.274
S214	-0.549	-0.863	-0.614	-0.296	-0.410	-0.342
S215	-0.536	-0.623	-0.359	-0.307	-0.407	-0.244
S216	-0.571	-1.278	-0.858	-0.393	-0.413	-0.346
S217	-0.551	-0.575	-0.330	-0.348	-0.408	-0.233
S218	-0.580	-1.278	-0.919	-0.469	-0.418	-0.335
S219	-0.571	-0.472	-0.488	-0.090	-0.410	-0.238
\$220	-0.658	-1.165	-0.571	-0.517	-0.429	-0.324
\$221	-0.587	-0.684	-0.718	-0.547	-0.428	-0.263
\$222	-0.556	-0.679	1.076	-0.720	-0.410	-0.355
\$223	-0.658	-1.043	-1.034	-0.429	-0.500	-0.233
\$224	-0.551	-0.873	1.137	-0.731	-0.389	-0.384
\$225	-0.645	-0.698	-0.811	-0.359	-0.485	-0.217
S226	-0.487	-0.896	0.947	-0.742	-0.387	-0.310
\$227	-0.583	-0.538	-0.732	-0.297	-0.499	-0.205
S228	-0.487	-0.717	0.847	-0.754	-0.384	-0.233
\$229	-0.556	-0.457	-0.366	-0.289	-0.494	-0.168
\$230	-0.449	-0.330	1.328	-0.759	-0.380	-0.202
\$231	-0.547	-0.462	-0.431	-0.396	-0.425	-0.162
\$232	-0.447	-0.283	1.500	-0.184	-0.379	-0.219
\$233	-0.527	-0.500	-0.381	-0.542	-0.387	-0.179
\$234	-0.445	-0.925	1.432	-0.281	-0.382	-0.294
\$235	-0.536	-0.722	-0.252	-0.433	-0.389	-0.258
\$236	-0.456	-1.151	1.284	-0.275	-0.387	-0.299
\$237	-0.554	-0.575	-0.323	-0.268	-0.403	-0.182
\$238	-0.509	-0.863	1.442	-0.407	-0.393	-0.286

S239	-0.631	-0.580	-0.610	-0.241	-0.394	-0.200
S240	-0.569	-0.863	1.324	-0.441	-0.314	-0.286
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

## MEAN AND STANDARD DEVIATION LEVEL 14

	Z3	Z4	Z7	Z9	Z10	Z13
S1	-0.611	1.850	0.405	-0.504	-0.310	0.792
S2	-0.598	0.137	-0.424	-0.777	-0.393	0.506
<b>S</b> 3	-0.625	-0.486	0.434	-0.513	-0.326	0.761
<b>S4</b>	-0.627	0.448	1.101	-0.808	-0.367	0.427
<b>S</b> 5	-0.631	-0.670	0.097	-0.489	-0.354	0.637
<b>S6</b>	-0.620	1.128	1.324	-0.678	-0.348	0.508
<b>S7</b>	-0.636	-0.184	0.003	-0.425	-0.347	0.392
<mark>.</mark>	-0.642	1.137	1.475	-0.363	-0.347	0.575
<b>S</b> 9	-0.647	0.665	-0.445	-0.497	-0.343	0.327
S10	-0.660	1.180	1.629	-0.236	-0.346	0.654
S11	-0.642	-0.061	0.416	-0.223	-0.340	0.310
S12	-0.638	0.826	1.478	-0.188	-0.355	0.377
S13	-0.642	-0.844	0.667	-0.142	-0.341	0.489
S14	-0.647	0.788	1.536	-0.470	-0.354	0.098
S15	-0.629	-1.104	0.229	0.027	-0.353	0.501
S16	-0.649	0.736	1.475	-0.626	-0.387	0.029
S17	-0.605	-0.759	-0.470	-0.061	-0.334	0.625
S18	-0.634	0.647	1.119	-0.739	-0.422	0.024
S19	-0.600	-1.019	-0.004	-0.658	-0.393	-0.085
S20	-0.634	-0.821	-0.427	-0.789	-0.452	-0.421
S21	-0.642	-0.212	-0.639	-0.986	3.448	-0.946
S22	-0.651	-0.849	-1.665	-0.838	-0.526	0.976

S23	-0.640	-0.340	-0.700	-0.929	3.376	-0.946
S24	-0.645	-0.736	-1.328	-0.875	-0.516	0.887
S25	-0.634	-1.184	-0.689	-0.932	3.134	-1.234
S26	-0.642	0.156	-0.086	-0.887	-0.494	0.914
S27	-0.620	-0.745	-0.481	-0.923	3.192	-1.356
S28	-0.638	0.293	-0.291	-0.690	-0.492	0.825
S29	-0.620	0.062	0.412	-0.972	3.244	-1.375
S30	-0.620	0.208	-0.015	-0.453	-0.491	0.740
S31	-0.618	-0.217	0.366	-0.585	3.318	-1.432
\$32	-0.611	-0.193	-0.004	-0.276	-0.505	0.341
\$33	-0.627	-1.590	-0.226	-0.479	3.338	-1.378
\$34	-0.605	-0.193	0.025	-0.279	-0.498	0.196
\$35	-0.642	-2.203	-0.359	-0.419	3.241	-1.318
\$36	-0.600	-0.160	0.301	-0.380	-0.514	0.287
S37	-0.658	-2.279	-0.173	-0.505	3.289	-1.227
S38	-0.607	-0.151	-0.553	-0.729	-0.489	0.148
S39	-0.660	-2.250	-0.137	-1.120	3.111	-1.497
S40	-0.609	-1.873	-1.949	-1.091	-0.459	-0.061
S41	1.221	0.146	0.305	0.506	-0.039	1.009
S42	1.210	-0.028	-0.460	0.449	-0.112	1.000
S43	1.230	-0.495	0.427	0.541	-0.049	0.923
S44	1.206	0.656	1.259	0.442	-0.105	0.873
S45	1.232	-0.627	0.330	0.548	-0.070	0.606
S46	1.212	1.312	1.482	0.510	-0.084	0.742
S47	1.232	0.033	0.696	0.579	-0.070	0.485
S48	1.223	1.505	1.712	0.621	-0.077	0.642
S49	1.232	1.284	1.676	0.547	-0.061	0.482
S50	1.232	1.576	1.834	0.580	-0.062	0.721
S51	1.230	0.831	1.625	0.791	-0.054	0.499
S52	1.237	1.005	1.582	0.484	-0.067	0.132
S53	1.228	-0.297	0.944	0.874	-0.047	0.506
S54	1.237	1.019	1.722	0.573	-0.072	0.067
S55	1.219	-1.269	0.172	1.063	-0.056	0.649
S56	1.234	1.137	1.087	0.431	-0.081	-0.045
S57	1.208	-1.227	0.204	0.957	-0.064	0.511
S58	1.232	1.213	1.274	0.284	-0.130	-0.023
S59	1.186	-0.986	0.305	0.539	-0.049	0.494
S60	1.212	0.599	-0.036	0.354	-0.135	0.115
S61	1.212	0.599	-0.036	0.354	-0.135	0.115
S62	-0.611	1.850	0.405	-0.504	-0.310	0.792
S63	-0.598	0.137	-0.424	-0.777	-0.393	0.506
S64	-0.625	-0.486	0.434	-0.513	-0.326	0.761
\$65	-0.627	0.448	1.101	-0.808	-0.367	0.427
S66	-0.631	-0.670	0.097	-0.489	-0.354	0.637
S67	-0.620	1.128	1.324	-0.678	-0.348	0.508
S68	-0.636	-0.184	0.003	-0.425	-0.347	0.392
S69	-0.642	1.137	1.475	-0.363	-0.347	0.575
S70	-0.647	0.665	-0.445	-0.497	-0.343	0.327

S71	-0.660	1.180	1.629	-0.236	-0.346	0.654
S72	-0.642	-0.061	0.416	-0.223	-0.340	0.310
S73	-0.638	0.826	1.478	-0.188	-0.355	0.377
S74	-0.642	-0.844	0.667	-0.142	-0.341	0.489
S75	-0.647	0.788	1.536	-0.470	-0.354	0.098
S76	-0.629	-1.104	0.229	0.027	-0.353	0.501
S77	-0.649	0.736	1.475	-0.626	-0.387	0.029
S78	-0.605	-0.759	-0.470	-0.061	-0.334	0.625
S79	-0.634	0.647	1.119	-0.739	-0.422	0.024
S80	-0.600	-1.019	-0.004	-0.658	-0.393	-0.085
S81	-0.634	-0.821	-0.427	-0.789	-0.452	-0.421
S82	-0.642	-0.212	-0.639	-0.986	3.448	-0.946
S83	-0.651	-0.849	-1.665	-0.838	-0.526	0.976
S84	-0.640	-0.340	-0.700	-0.929	3.376	-0.946
S85	-0.645	-0.736	-1.328	-0.875	-0.516	0.887
S86	-0.634	-1.184	-0.689	-0.932	3.134	-1.234
S87	-0.642	0.156	-0.086	-0.887	-0.494	0.914
S88	-0.620	-0.745	-0.481	-0.923	3.192	-1.356
S89	-0.638	0.293	-0.291	-0.690	-0.492	0.825
S90	-0.620	0.062	0.412	-0.972	3.244	-1.375
S91	-0.620	0.208	-0.015	-0.453	-0.491	0.740
S92	-0.618	-0.217	0.366	-0.585	3.318	-1.432
S93	-0.611	-0.193	-0.004	-0.276	-0.505	0.341
S94	-0.627	-1.590	-0.226	-0.479	3.338	-1.378
S95	-0.605	-0.193	0.025	-0.279	-0.498	0.196
S96	-0.642	-2.203	-0.359	-0.419	3.241	-1.318
S97	-0.600	-0.160	0.301	-0.380	-0.514	0.287
S98	-0.658	-2.279	-0.173	-0.505	3.289	-1.227
S99	-0.607	-0.151	-0.553	-0.729	-0.489	0.148
S100	-0.660	-2.250	-0.137	-1.120	3.111	-1.497
S101	-0.609	-1.873	-1.949	-1.091	-0.459	-0.061
S102	1.221	0.146	0.305	0.506	-0.039	1.009
S103	1.210	-0.028	-0.460	0.449	-0.112	1.000
S104	1.230	-0.495	0.427	0.541	-0.049	0.923
S105	1.206	0.656	1.259	0.442	-0.105	0.873
S106	1.232	-0.627	0.330	0.548	-0.070	0.606
S107	1.212	1.312	1.482	0.510	-0.084	0.742
S108	1.232	0.033	0.696	0.579	-0.070	0.485
S109	1.223	1.505	1.712	0.621	-0.077	0.642
S110	1.232	1.284	1.676	0.547	-0.061	0.482
\$111	1.232	1.576	1.834	0.580	-0.062	0.721
\$112	1.230	0.831	1.625	0.791	-0.054	0.499
S113	1.237	1.005	1.582	0.484	-0.067	0.132
S114	1.228	-0.297	0.944	0.874	-0.047	0.506
\$115	1.237	1.019	1.722	0.573	-0.072	0.067
S116	1.219	-1.269	0.172	1.063	-0.056	0.649
\$117	1.234	1.137	1.087	0.431	-0.081	-0.045
S118	1.208	-1.227	0.204	0.957	-0.064	0.511

S119	1.232	1.213	1.274	0.284	-0.130	-0.023
S120	1.186	-0.986	0.305	0.539	-0.049	0.494
S121	1.212	0.599	-0.036	0.354	-0.135	0.115
S122	2.317	0.189	-0.869	0.889	0.059	-0.421
S123	2.302	0.505	2.584	0.917	0.042	-0.679
S124	2.397	-0.330	-1.910	0.243	0.082	-0.307
\$125	2.317	0.840	1.765	0.894	0.055	-0.743
S126	2.470	-0.259	-2.089	1.012	0.068	-0.588
S127	2.408	1.175	-0.259	0.911	0.056	-0.631
S128	2.537	-0.122	-1.899	1.012	0.067	-0.669
S129	2.508	1.519	-1.102	1.177	0.066	-0.545
S130	2.579	0.486	-0.697	1.033	0.074	-0.741
S131	2.599	1.552	-0.754	1.374	0.069	-0.522
S132	2.608	0.595	-0.976	1.175	0.076	-0.722
S133	2.583	0.972	-0.219	1.383	0.063	-1.056
\$134	2.610	0.425	-1.020	1.379	0.070	-0.612
\$135	2.523	0.873	0.186	1.290	0.067	-1.218
\$136	2.521	-1.462	-1.292	1.302	0.061	-0.724
\$137	2.479	1.019	-0.707	1.084	0.064	-1.244
S138	2.388	-1.529	-1.490	1.116	0.074	-0.688
S139	2.519	0.972	-1.185	1.056	0.031	-0.731
S140	2.346	-0.703	-1.371	0.749	0.063	-0.781
S141	2.239	-0.325	-1.217	1.023	0.028	-1.306
S142	-0.620	1.340	-0.011	-0.539	-0.314	-0.727
S143	-0.645	1.552	3.075	-0.493	-0.367	-0.772
S144	-0.574	0.481	-0.564	-0.499	-0.319	-0.679
S145	-0.540	1.321	2.325	-0.514	-0.353	-0.603
S146	-0.447	-0.476	-1.371	-0.470	-0.344	-0.963
S147	-0.527	2.222	-0.025	-0.561	-0.335	-0.674
S148	-0.412	0.203	-1.608	-0.442	-0.341	-1.089
S149	-0.401	2.307	-0.951	-0.381	-0.330	-0.753
\$150	-0.323	1.661	-1.533	-0.398	-0.332	-1.146
\$151	-0.296	2.340	-0.894	-0.103	-0.327	-0.827
S152	-0.270	1.859	-1.479	-0.068	-0.326	-1.201
S153	-0.279	1.878	0.621	-0.383	-0.333	-0.967
S154	-0.281	-0.042	-1.551	-0.051	-0.332	-1.125
\$155	-0.272	1.741	0.599	-0.236	-0.336	-1.330
\$156	-0.418	-0.118	-1.210	-0.082	-0.338	-1.022
S157	-0.354	1.864	0.577	-0.568	-0.364	-1.268
S158	0.124	0.472	0.973	0.346	0.121	0.651
\$159	-0.401	1.803	0.061	-0.696	-0.390	-1.285
S160	-0.565	0.170	0.674	-0.287	-0.358	-1.194
S161	-0.556	-0.830	-0.366	-0.728	-0.421	-1.795
S162	-0.527	0.831	-0.779	-0.626	-0.322	0.837
S163	-0.531	0.330	-0.643	-0.558	-0.394	0.811
S164	-0.518	-0.547	-1.335	-0.563	-0.322	0.871
S165	-0.487	0.647	2.060	-0.540	-0.385	0.880
S166	-0.421	-0.217	-1.407	-0.542	-0.334	0.699

S167	-0.398	1.435	-0.600	-0.488	-0.360	0.792
<b>S168</b>	-0.385	0.326	-1.917	-0.476	-0.344	0.473
S169	-0.256	1.887	-0.919	-0.209	-0.344	0.744
S170	-0.256	1.368	-1.920	-0.443	-0.340	0.358
S171	-0.234	2.020	-0.743	-0.190	-0.343	0.728
S172	-0.201	1.350	-1.935	-0.388	-0.337	0.370
S173	-0.183	1.543	0.298	-0.129	-0.346	0.523
S174	-0.188	-0.236	-1.935	-0.102	-0.333	0.344
S175	-0.228	1.444	0.193	-0.230	-0.346	0.301
S176	-0.270	-0.613	-1.823	-0.338	-0.334	0.434
S177	-0.330	1.505	0.574	-0.291	-0.363	0.208
S178	-0.423	0.137	-1.002	-0.305	-0.333	0.532
S179	-0.396	1.642	-1.037	-0.423	-0.382	0.213
S180	-0.496	1.439	0.337	-0.770	-0.344	0.573
S181	-0.485	1.491	-0.833	-0.287	-0.414	-0.045
S182	-0.596	-0.656	-0.402	0.071	-0.380	3.300
S183	-0.607	-0.623	-0.585	-0.253	-0.418	0.418
S184	-0.571	-0.703	-0.417	-0.631	-0.374	3.424
S185	-0.596	-0.269	-0.560	-0.830	-0.390	0.458
S186	-0.538	-0.953	-0.524	-1.255	-0.386	3.179
S187	-0.545	-0.160	-0.043	0.878	-0.385	0.513
S188	-0.496	-0.882	-0.409	-1.192	-0.393	3.062
S189	-0.503	0.080	0.104	0.468	-0.380	0.313
S190	-0.474	-0.401	-0.051	-1.042	-0.387	3.098
S191	-0.478	0.066	0.373	-0.013	-0.381	0.282
S192	-0.454	-0.047	0.014	-0.276	-0.372	3.241
\$193	-0.452	-0.170	0.132	-0.665	-0.388	-0.028
S194	-0.456	-0.226	-0.309	-1.183	-0.380	3.226
S195	-0.458	-0.179	0.262	-0.608	-0.390	-0.021
S196	-0.483	-0.972	0.007	-1.178	-0.390	3.284
S197	-0.474	-0.113	0.208	0.634	-0.391	-0.030
S198	-0.540	-1.094	0.089	1.157	-0.378	2.993
S199	-0.529	-0.085	-0.022	2.848	-0.403	-0.014
\$200	-0.571	-1.052	-0.492	1.077	-0.391	3.126
\$201	-0.569	-0.170	-0.438	1.859	-0.419	-0.100
\$202	-0.658	-0.953	-0.872	1.543	-0.432	-0.617
\$203	-0.649	-0.774	-1.016	-0.597	-0.474	-0.097
\$204	-0.649	-1.184	-0.858	2.611	-0.433	-0.553
\$205	-0.629	-0.684	-1.034	-1.499	-0.465	-0.133
S206	-0.598	-1.264	-0.923	1.886	-0.444	-0.369
\$207	-0.609	-0.590	-0.460	-1.321	-0.448	-0.159
S208	-0.600	-1.165	-0.858	2.116	-0.451	-0.269
S209	-0.589	-0.505	-0.503	-1.278	-0.440	-0.181
S210	-0.576	-0.698	-0.510	0.814	-0.447	-0.259
\$211	-0.565	-0.519	-0.413	-1.218	-0.441	-0.357
\$212	-0.556	-0.575	-0.456	0.520	-0.445	-0.414
S213	-0.538	-0.561	-0.352	-1.125	-0.442	-0.469
S214	-0.549	-0.863	-0.614	-0.929	-0.440	-0.314

S215	-0.536	-0.623	-0.359	-1.230	-0.442	-0.421
S216	-0.571	-1.278	-0.858	-0.771	-0.442	-0.379
S217	-0.551	-0.575	-0.330	-1.258	-0.461	-0.359
S218	-0.580	-1.278	-0.919	3.264	-0.445	-0.383
S219	-0.571	-0.472	-0.488	-1.088	-0.476	-0.464
S220	-0.658	-1.165	-0.571	3.342	-0.438	-0.414
S221	-0.587	-0.684	-0.718	2.302	-0.472	-0.517
\$222	-0.556	-0.679	1.076	1.996	-0.403	-0.998
\$223	-0.658	-1.043	-1.034	0.353	-0.453	-1.215
\$224	-0.551	-0.873	1.137	2.839	-0.405	-0.927
\$225	-0.645	-0.698	-0.811	-0.143	-0.419	-0.898
S226	-0.487	-0.896	0.947	2.852	-0.418	-1.084
\$227	-0.583	-0.538	-0.732	-1.316	-0.416	-0.908
S228	-0.487	-0.717	0.847	3.443	-0.423	-1.022
S229	-0.556	-0.457	-0.366	-1.254	-0.418	-0.975
\$230	-0.449	-0.330	1.328	2.268	-0.419	-1.277
\$231	-0.547	-0.462	-0.431	-1.085	-0.416	-0.972
\$232	-0.447	-0.283	1.500	0.788	-0.413	-1.156
\$233	-0.527	-0.500	-0.381	-1.233	-0.417	-1.361
\$234	-0.445	-0.925	1.432	-1.081	-0.415	-1.120
S235	-0.536	-0.722	-0.252	-1.264	-0.432	-1.339
\$236	-0.456	-1.151	1.284	0.439	-0.420	-1.065
\$237	-0.554	-0.575	-0.323	-1.254	-0.440	-1.389
S238	-0.509	-0.863	1.442	3.667	-0.420	-1.025
\$239	-0.631	-0.580	-0.610	-1.148	-0.443	-1.420
S240	-0.569	-0.863	1.324	3.474	-0.420	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

	AND D.					
	Z3	Z5	Z6	Z8	Z11	Z13
S1	-0.611	-1.044	-0.768	-0.727	-0.347	0.792
S2	-0.598	-0.797	-0.791	0.021	-0.465	0.506
\$3	-0.625	-0.857	-0.772	-0.716	-0.331	0.761
S4	-0.627	-0.979	-0.604	-0.017	-0.466	0.427
S5	-0.631	-0.818	-0.727	-0.730	-0.301	0.637
S6	-0.620	-0.413	-0.532	0.094	-0.476	0.508
S7	-0.636	-0.824	-0.647	-0.739	-0.313	0.392
S8	-0.642	-0.583	-0.583	-0.041	-0.476	0.575
S9	-0.647	-0.859	-0.621	-0.733	-0.320	0.327
S10	-0.660	-0.728	-0.593	-0.340	-0.470	0.654
S11	-0.642	-0.609	-0.606	0.150	-0.333	0.310
S12	-0.638	-0.626	-0.600	-0.430	-0.314	0.377
\$13	-0.642	-0.476	-0.610	0.145	-0.336	0.489
S14	-0.647	-0.519	-0.602	-0.081	-0.322	0.098
\$15	-0.629	-0.232	-0.600	0.229	-0.335	0.501
S16	-0.649	-0.519	-0.627	0.024	-0.324	0.029
S17	-0.605	-0.308	-0.653	0.028	-0.336	0.625
S18	-0.634	-0.545	-0.710	-0.043	-0.325	0.024
S19	-0.600	-0.631	-0.670	-0.291	-0.377	-0.085
S20	-0.634	-0.749	-0.804	-0.211	-0.340	-0.421
S21	-0.642	-0.850	-0.712	-0.694	2.450	-0.946
S22	-0.651	-0.579	-0.615	-0.429	-0.329	0.976
\$23	-0.640	-0.792	-0.693	-0.693	2.602	-0.946
\$24	-0.645	-0.570	-0.532	-0.436	-0.327	0.887
S25	-0.634	-0.779	-0.708	-0.704	2.698	-1.234
\$26	-0.642	-0.424	-0.504	-0.433	-0.321	0.914
\$27	-0.620	-0.805	-0.598	-0.736	2.847	-1.356
S28	-0.638	-0.510	-0.525	-0.353	-0.318	0.825
\$29	-0.620	-0.833	-0.574	-0.741	2.895	-1.375
\$30	-0.620	-0.620	-0.489	-0.606	-0.312	0.740
\$31	-0.618	-0.676	-0.525	0.192	2.756	-1.432
\$32	-0.611	-0.616	-0.525	-0.629	2.680	0.341
\$33	-0.627	-0.422	-0.502	0.339	2.660	-1.378
\$34	-0.605	-0.437	-0.527	-0.261	2.564	0.196
\$35	-0.642	-0.260	-0.517	0.104	2.640	-1.318
\$36	-0.600	-0.424	-0.510	-0.348	2.662	0.287
\$37	-0.658	-0.301	-0.598	-0.001	2.604	-1.227
\$38	-0.607	-0.476	-0.598	-0.407	2.652	0.148
\$39	-0.660	-0.908	-0.729	-0.296	2.291	-1.497
S40	-0.609	-0.755	-0.732	-0.144	2.493	-0.061
S41	1.221	0.603	1.086	0.050	-0.333	1.009
S42	1.210	0.625	1.131	0.510	-0.473	1.000
\$43	1.230	0.733	1.101	0.037	-0.324	0.923
S44	1.206	1.213	1.099	0.627	-0.465	0.873
S45	1.232	0.750	1.160	0.028	-0.301	0.606
S46	1.212	2.180	1.162	0.809	-0.453	0.742

MEAN AND STANDARD DEVIATION LEVEL 15

S47	1.232	0.754	1.184	6.841	-0.308	0.485
S48	1.223	1.032	1.269	0.803	-0.442	0.642
S49	1.232	0.703	1.203	6.439	-0.303	0.482
S50	1.232	0.899	1.258	0.725	-0.443	0.721
S51	1.230	1.120	1.275	0.897	-0.316	0.499
S52	1.237	0.823	1.190	0.643	-0.310	0.132
S53	1.228	1.170	1.273	0.907	-0.327	0.506
S54	1.237	1.148	1.264	0.133	-0.318	0.067
S55	1.219	1.400	1.228	0.736	-0.330	0.649
\$56	1.234	0.911	1.235	0.827	-0.322	-0.045
S57	1.208	1.340	1.173	0.674	-0.333	0.511
S58	1.232	0.726	1.148	0.661	-0.323	-0.023
\$59	1.186	0.970	1.060	0.440	-0.379	0.494
S60	1.212	0.896	1.050	0.443	-0.329	0.115
S61	1.212	0.896	1.050	0.443	-0.329	0.115
S62	-0.611	-1.044	-0.768	-0.727	-0.347	0.792
S63	-0.598	-0.797	-0.791	0.021	-0.465	0.506
S64	-0.625	-0.857	-0.772	-0.716	-0.331	0.761
\$65	-0.627	-0.979	-0.604	-0.017	-0.466	0.427
\$66	-0.631	-0.818	-0.727	-0.730	-0.301	0.637
S67	-0.620	-0.413	-0.532	0.094	-0.476	0.508
S68	-0.636	-0.824	-0.647	-0.739	-0.313	0.392
S69	-0.642	-0.583	-0.583	-0.041	-0.476	0.575
S70	-0.647	-0.859	-0.621	-0.733	-0.320	0.327
S71	-0.660	-0.728	-0.593	-0.340	-0.470	0.654
\$72	-0.642	-0.609	-0.606	0.150	-0.333	0.310
S73	-0.638	-0.626	-0.600	-0.430	-0.314	0.377
S74	-0.642	-0.476	-0.610	0.145	-0.336	0.489
S75	-0.647	-0.519	-0.602	-0.081	-0.322	0.098
S76	-0.629	-0.232	-0.600	0.229	-0.335	0.501
S77	-0.649	-0.519	-0.627	0.024	-0.324	0.029
S78	-0.605	-0.308	-0.653	0.028	-0.336	0.625
S79	-0.634	-0.545	-0.710	-0.043	-0.325	0.024
S80	-0.600	-0.631	-0.670	-0.291	-0.377	-0.085
S81	-0.634	-0.749	-0.804	-0.211	-0.340	-0.421
S82	-0.642	-0.850	-0.712	-0.694	2.450	-0.946
S83	-0.651	-0.579	-0.615	-0.429	-0.329	0.976
S84	-0.640	-0.792	-0.693	-0.693	2.602	-0.946
S85	-0.645	-0.570	-0.532	-0.436	-0.327	0.887
S86	-0.634	-0.779	-0.708	-0.704	2.698	-1.234
S87	-0.642	-0.424	-0.504	-0.433	-0.321	0.914
S88	-0.620	-0.805	-0.598	-0.736	2.847	-1.356
\$89	-0.638	-0.510	-0.525	-0.353	-0.318	0.825
\$90	-0.620	-0.833	-0.574	-0.741	2.895	-1.375
S91	-0.620	-0.620	-0.489	-0.606	-0.312	0.740
\$92	-0.618	-0.676	-0.525	0.192	2.756	-1.432
\$93	-0.611	-0.616	-0.525	-0.629	2.680	0.341
\$94	-0.627	-0.422	-0.502	0.339	2.660	-1.378

\$95	-0.605	-0.437	-0.527	-0.261	2.564	0.196
S96	-0.642	-0.260	-0.517	0.104	2.640	-1.318
\$97	-0.600	-0.424	-0.510	-0.348	2.662	0.287
S98	-0.658	-0.301	-0.598	-0.001	2.604	-1.227
\$99	-0.607	-0.476	-0.598	-0.407	2.652	0.148
S100	-0.660	-0.908	-0.729	-0.296	2.291	-1.497
S101	-0.609	-0.755	-0.732	-0.144	2.493	-0.061
S102	1.221	0.603	1.086	0.050	-0.333	1.009
S103	1.210	0.625	1.131	0.510	-0.473	1.000
S104	1.230	0.733	1.101	0.037	-0.324	0.923
S105	1.206	1.213	1.099	0.627	-0.465	0.873
S106	1.232	0.750	1.160	0.028	-0.301	0.606
S107	1.212	2.180	1.162	0.809	-0.453	0.742
S108	1.232	0.754	1.184	6.841	-0.308	0.485
S109	1.223	1.032	1.269	0.803	-0.442	0.642
S110	1.232	0.703	1.203	6.439	-0.303	0.482
\$111	1.232	0.899	1.258	0.725	-0.443	0.721
S112	1.230	1.120	1.275	0.897	-0.316	0.499
S113	1.237	0.823	1.190	0.643	-0.310	0.132
S114	1.228	1.170	1.273	0.907	-0.327	0.506
S115	1.237	1.148	1.264	0.133	-0.318	0.067
S116	1.219	1.400	1.228	0.736	-0.330	0.649
\$117	1.234	0.911	1.235	0.827	-0.322	-0.045
S118	1.208	1.340	1.173	0.674	-0.333	0.511
\$119	1.232	0.726	1.148	0.661	-0.323	-0.023
\$120	1.186	0.970	1.060	0.440	-0.379	0.494
\$121	1.212	0.896	1.050	0.443	-0.329	0.115
\$122	2.317	1.605	2.164	0.427	-0.401	-0.421
S123	2.302	2.567	2.242	0.887	-0.492	-0.679
S124	2.397	1.945	2.308	0.436	-0.389	-0.307
\$125	2.317	2.565	2.385	0.828	-0.493	-0.743
\$126	2.470	1.969	2.510	0.418	-0.378	-0.588
\$127	2.408	2.576	2.587	0.942	-0.491	-0.631
S128	2.537	1.969	2.606	0.417	-0.375	-0.669
S129	2.508	2.604	2.523	0.959	-0.476	-0.545
\$130	2.579	1.997	2.646	0.564	-0.375	-0.741
\$131	2.599	2.531	2.612	0.964	-0.336	-0.522
\$132	2.608	2.611	2.742	0.944	-0.389	-0.722
\$133	2.583	2.553	2.676	0.833	-0.345	-1.056
\$134	2.610	2.847	2.750	0.975	-0.393	-0.612
\$135	2.523	2.738	2.168	0.910	-0.347	-1.218
\$136	2.521	2.820	2.574	0.934	-0.397	-0.724
\$137	2.479	2.785	2.638	0.943	-0.350	-1.244
S138	2.388	2.539	2.419	0.901	-0.406	-0.688
S139	2.519	2.634	2.425	0.915	-0.356	-0.731
S140	2.346	2.113	2.142	0.798	-0.423	-0.781
S141	2.239	2.029	2.132	0.884	-0.350	-1.306
S142	-0.620	-0.215	-0.449	-0.700	-0.362	-0.727

S143	-0.645	-0.097	-0.574	-0.269	-0.476	-0.772
S144	-0.574	-0.349	-0.447	-0.707	-0.356	-0.679
S145	-0.540	0.067	-0.513	-0.250	-0.494	-0.603
S146	-0.447	-0.096	-0.215	-0.709	-0.346	-0.963
S147	-0.527	0.507	-0.262	-0.208	-0.498	-0.674
S148	-0.412	-0.092	-0.181	-0.724	-0.344	-1.089
S149	-0.401	0.448	-0.115	-0.194	-0.505	-0.753
S150	-0.323	-0.124	-0.077	-0.614	-0.337	-1.146
\$151	-0.296	0.242	0.012	-0.328	-0.471	-0.827
S152	-0.270	0.435	0.000	-0.152	-0.340	-1.201
\$153	-0.279	0.240	0.034	-0.239	-0.343	-0.967
\$154	-0.281	0.647	0.032	-0.149	-0.346	-1.125
\$155	-0.272	0.474	-0.017	-0.168	-0.349	-1.330
\$156	-0.418	0.786	0.049	-0.160	-0.354	-1.022
\$157	-0.354	0.616	0.008	-0.146	-0.354	-1.268
S158	0.124	1.452	0.625	-0.053	0.059	0.651
\$159	-0.401	0.629	-0.070	-0.183	-0.349	-1.285
S160	-0.565	-0.047	-0.411	-0.312	-0.393	-1.194
S161	-0.556	0.380	-0.549	-0.194	0.658	-1.795
S162	-0.527	-0.609	-0.598	-0.709	-0.325	0.837
S163	-0.531	-0.137	-0.519	-0.402	-0.461	0.811
S164	-0.518	-0.531	-0.523	-0.700	-0.328	0.871
S165	-0.487	0.242	-0.466	-0.272	-0.461	0.880
S166	-0.421	-0.387	-0.255	-0.709	-0.316	0.699
S167	-0.398	0.444	-0.330	-0.196	-0.461	0.792
S168	-0.385	-0.370	-0.313	-0.709	-0.312	0.473
S169	-0.256	0.304	-0.132	-0.194	-0.464	0.744
\$170	-0.256	-0.241	-0.104	-0.678	-0.303	0.358
\$171	-0.234	0.196	0.010	-0.187	-0.452	0.728
\$172	-0.201	0.489	-0.009	-0.365	-0.314	0.370
\$173	-0.183	0.097	0.004	-0.189	-0.396	0.523
\$174	-0.188	0.513	0.036	-0.088	-0.333	0.344
\$175	-0.228	0.110	-0.039	-0.160	-0.315	0.301
\$176	-0.270	0.625	-0.056	-0.157	-0.331	0.434
\$177	-0.330	0.194	-0.092	-0.165	-0.327	0.208
\$178	-0.423	0.534	-0.213	-0.201	-0.339	0.532
S179	-0.396	0.438	-0.251	-0.202	-0.326	0.213
S180	-0.496	0.147	-0.455	-0.221	-0.361	0.573
S181	-0.485	-0.349	-0.400	-0.209	-0.338	-0.045
S182	-0.596	-0.911	-0.727	-0.741	-0.382	3.300
S183	-0.607	-0.796	-0.721	-0.344	-0.451	0.418
S184	-0.571	-0.797	-0.642	-0.723	-0.375	3.424
S185	-0.596	-0.555	-0.664	-0.242	-0.457	0.458
S186	-0.538	-0.792	-0.630	-0.721	-0.358	3.179
S187	-0.545	-0.480	-0.600	-0.199	-0.448	0.513
S188	-0.496	-0.781	-0.564	-0.743	-0.353	3.062
S189	-0.503	-0.405	-0.538	-0.179	-0.471	0.313
S190	-0.474	-0.768	-0.595	-0.745	-0.350	3.098

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S191	-0.478	-0.620	-0.493	-0.275	-0.475	0.282
S192	-0.454	-0.573	-0.470	-0.279	-0.355	3.241
S193	-0.452	-0.536	-0.564	-0.283	-0.357	-0.028
S194	-0.456	-0.467	-0.489	-0.130	-0.362	3.226
S195	-0.458	-0.532	-0.551	-0.168	-0.356	-0.021
S196	-0.483	-0.443	-0.523	-0.234	-0.366	3.284
S197	-0.474	-0.529	-0.581	-0.193	-0.364	-0.030
S198	-0.540	-0.480	-0.630	-0.308	-0.373	2.993
S199	-0.529	-0.484	-0.649	-0.243	-0.364	-0.014
S200	-0.571	-0.657	-0.721	-0.384	-0.405	3.126
S201	-0.569	-0.790	-0.691	-0.295	-0.367	-0.100
S202	-0.658	-1.061	-0.829	-0.755	-0.421	-0.617
S203	-0.649	-0.863	-0.783	-0.483	-0.482	-0.097
S204	-0.649	-1.081	-0.838	-0.759	-0.421	-0.553
\$205	-0.629	-0.829	-0.819	-0.442	-0.490	-0.133
S206	-0.598	-0.788	-0.778	-0.758	-0.412	-0.369
S207	-0.609	-0.745	-0.821	-0.427	-0.486	-0.159
S208	-0.600	-0.945	-0.759	-0.742	-0.405	-0.269
S209	-0.589	-0.747	-0.698	-0.412	-0.484	-0.181
S210	-0.576	-0.975	-0.678	-0.735	-0.403	-0.259
\$211	-0.565	-0.758	-0.676	-0.454	-0.496	-0.357
S212	-0.556	-0.898	-0.681	-0.274	-0.407	-0.414
S213	-0.538	-0.747	-0.668	-0.412	-0.406	-0.469
S214	-0.549	-0.676	-0.670	-0.296	-0.410	-0.314
S215	-0.536	-0.906	-0.664	-0.307	-0.407	-0.421
S216	-0.571	-0.689	-0.670	-0.393	-0.413	-0.379
S217	-0.551	-0.876	-0.700	-0.348	-0.408	-0.359
S218	-0.580	-0.755	-0.689	-0.469	-0.418	-0.383
S219	-0.571	-0.697	-0.817	-0.090	-0.410	-0.464
S220	-0.658	-0.844	-0.632	-0.517	-0.429	-0.414
S221	-0.587	-0.820	-0.844	-0.547	-0.428	-0.517
\$222	-0.556	-0.949	-0.749	-0.720	-0.410	-0.998
S223	-0.658	-0.932	-0.759	-0.429	-0.500	-1.215
\$224	-0.551	-0.893	-0.736	-0.731	-0.389	-0.927
S225	-0.645	-0.812	-0.644	-0.359	-0.485	-0.898
S226	-0.487	-0.835	-0.666	-0.742	-0.387	-1.084
S227	-0.583	-0.721	-0.613	-0.297	-0.499	-0.908
S228	-0.487	-0.850	-0.608	-0.754	-0.384	-1.022
S229	-0.556	-0.773	-0.578	-0.289	-0.494	-0.975
\$230	-0.449	-0.846	-0.581	-0.759	-0.380	-1.277
\$231	-0.547	-0.839	-0.561	-0.396	-0.425	-0.972
S232	-0.447	-0.603	-0.581	-0.184	-0.379	-1.156
\$233	-0.527	-0.861	-0.559	-0.542	-0.387	-1.361
\$234	-0.445	-0.592	-0.547	-0.281	-0.382	-1.120
\$235	-0.536	-0.730	-0.578	-0.433	-0.389	-1.339
\$236	-0.456	-0.553	-0.555	-0.275	-0.387	-1.065
S237	-0.554	-0.717	-0.587	-0.268	-0.403	-1.389
S238	-0.509	-0.613	-0.604	-0.407	-0.393	-1.025

S239	-0.631	-0.758	-0.655	-0.241	-0.394	-1.420
S240	-0.569	-0.928	-0.672	-0.441	-0.314	-1.192
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

## MEAN AND STANDARD DEVIATION LEVEL 16

	Z3	Z5	Z6	Z9	Z10	Z12
S1	-0.611	-1.044	-0.768	-0.504	-0.310	-0.245
S2	-0.598	-0.797	-0.791	-0.777	-0.393	-0.112
<b>S</b> 3	-0.625	-0.857	-0.772	-0.513	-0.326	-0.189
S4	-0.627	-0.979	-0.604	-0.808	-0.367	-0.083
S5	-0.631	-0.818	-0.727	-0.489	-0.354	-0.121
<b>S6</b>	-0.620	-0.413	-0.532	-0.678	-0.348	-0.043
S7	-0.636	-0.824	-0.647	-0.425	-0.347	-0.181
<b>S8</b>	-0.642	-0.583	-0.583	-0.363	-0.347	-0.038
S9	-0.647	-0.859	-0.621	-0.497	-0.343	-0.054
S10	-0.660	-0.728	-0.593	-0.236	-0.346	-0.244
S11	-0.642	-0.609	-0.606	-0.223	-0.340	-0.225
S12	-0.638	-0.626	-0.600	-0.188	-0.355	-0.167
S13	-0.642	-0.476	-0.610	-0.142	-0.341	-0.234
S14	-0.647	-0.519	-0.602	-0.470	-0.354	-0.181
S15	-0.629	-0.232	-0.600	0.027	-0.353	-0.193
S16	-0.649	-0.519	-0.627	-0.626	-0.387	-0.077
S17	-0.605	-0.308	-0.653	-0.061	-0.334	-0.181
S18	-0.634	-0.545	-0.710	-0.739	-0.422	-0.097
S19	-0.600	-0.631	-0.670	-0.658	-0.393	-0.241
S20	-0.634	-0.749	-0.804	-0.789	-0.452	-0.117
S21	-0.642	-0.850	-0.712	-0.986	3.448	0.008
S22	-0.651	-0.579	-0.615	-0.838	-0.526	-0.046

S23	-0.640	-0.792	-0.693	-0.929	3.376	0.033
S24	-0.645	-0.570	-0.532	-0.875	-0.516	-0.030
S25	-0.634	-0.779	-0.708	-0.932	3.134	5.046
S26	-0.642	-0.424	-0.504	-0.887	-0.494	0.029
S27	-0.620	-0.805	-0.598	-0.923	3.192	5.741
S28	-0.638	-0.510	-0.525	-0.690	-0.492	0.079
S29	-0.620	-0.833	-0.574	-0.972	3.244	5.775
\$30	-0.620	-0.620	-0.489	-0.453	-0.491	0.062
S31	-0.618	-0.676	-0.525	-0.585	3.318	4.690
\$32	-0.611	-0.616	-0.525	-0.276	-0.505	0.049
\$33	-0.627	-0.422	-0.502	-0.479	3.338	0.027
\$34	-0.605	-0.437	-0.527	-0.279	-0.498	0.038
\$35	-0.642	-0.260	-0.517	-0.419	3.241	0.039
\$36	-0.600	-0.424	-0.510	-0.380	-0.514	0.052
\$37	-0.658	-0.301	-0.598	-0.505	3.289	0.086
\$38	-0.607	-0.476	-0.598	-0.729	-0.489	0.027
\$39	-0.660	-0.908	-0.729	-1.120	3.111	0.055
S40	-0.609	-0.755	-0.732	-1.091	-0.459	-0.098
S41	1.221	0.603	1.086	0.506	-0.039	-0.209
S42	1.210	0.625	1.131	0.449	-0.112	-0.155
S43	1.230	0.733	1.101	0.541	-0.049	-0.233
S44	1.206	1.213	1.099	0.442	-0.105	-0.063
S45	1.232	0.750	1.160	0.548	-0.070	-0.161
S46	1.212	2.180	1.162	0.510	-0.084	-0.040
S47	1.232	0.754	1.184	0.579	-0.070	-0.106
S48	1.223	1.032	1.269	0.621	-0.077	-0.017
S49	1.232	0.703	1.203	0.547	-0.061	-0.055
\$50	1.232	0.899	1.258	0.580	-0.062	-0.070
S51	1.230	1.120	1.275	0.791	-0.054	-0.220
\$52	1.237	0.823	1.190	0.484	-0.067	-0.097
\$53	1.228	1.170	1.273	0.874	-0.047	-0.223
\$54	1.237	1.148	1.264	0.573	-0.072	-0.015
\$55	1.219	1.400	1.228	1.063	-0.056	-0.207
S56	1.234	0.911	1.235	0.431	-0.081	-0.002
S57	1.208	1.340	1.173	0.957	-0.064	-0.199
S58	1.232	0.726	1.148	0.284	-0.130	-0.072
S59	1.186	0.970	1.060	0.539	-0.049	-0.061
S60	1.212	0.896	1.050	0.354	-0.135	-0.123
S61	1.212	0.896	1.050	0.354	-0.135	-0.123
S62	-0.611	-1.044	-0.768	-0.504	-0.310	-0.245
S63	-0.598	-0.797	-0.791	-0.777	-0.393	-0.112
S64	-0.625	-0.857	-0.772	-0.513	-0.326	-0.189
S65	-0.627	-0.979	-0.604	-0.808	-0.367	-0.083
S66	-0.631	-0.818	-0.727	-0.489	-0.354	-0.121
S67	-0.620	-0.413	-0.532	-0.678	-0.348	-0.043
S68	-0.636	-0.824	-0.647	-0.425	-0.347	-0.181
S69	-0.642	-0.583	-0.583	-0.363	-0.347	-0.038
S70	-0.647	-0.859	-0.621	-0.497	-0.343	-0.054

S71	-0.660	-0.728	-0.593	-0.236	-0.346	-0.244
\$72	-0.642	-0.609	-0.606	-0.223	-0.340	-0.225
S73	-0.638	-0.626	-0.600	-0.188	-0.355	-0.167
\$74	-0.642	-0.476	-0.610	-0.142	-0.341	-0.234
S75	-0.647	-0.519	-0.602	-0.470	-0.354	-0.181
S76	-0.629	-0.232	-0.600	0.027	-0.353	-0.193
S77	-0.649	-0.519	-0.627	-0.626	-0.387	-0.077
S78	-0.605	-0.308	-0.653	-0.061	-0.334	-0.181
S79	-0.634	-0.545	-0.710	-0.739	-0.422	-0.097
S80	-0.600	-0.631	-0.670	-0.658	-0.393	-0.241
S81	-0.634	-0.749	-0.804	-0.789	-0.452	-0.117
S82	-0.642	-0.850	-0.712	-0.986	3.448	0.008
S83	-0.651	-0.579	-0.615	-0.838	-0.526	-0.046
S84	-0.640	-0.792	-0.693	-0.929	3.376	0.033
S85	-0.645	-0.570	-0.532	-0.875	-0.516	-0.030
S86	-0.634	-0.779	-0.708	-0.932	3.134	5.046
S87	-0.642	-0.424	-0.504	-0.887	-0.494	0.029
S88	-0.620	-0.805	-0.598	-0.923	3.192	5.741
S89	-0.638	-0.510	-0.525	-0.690	-0.492	0.079
S90	-0.620	-0.833	-0.574	-0.972	3.244	5.775
S91	-0.620	-0.620	-0.489	-0.453	-0.491	0.062
S92	-0.618	-0.676	-0.525	-0.585	3.318	4.690
S93	-0.611	-0.616	-0.525	-0.276	-0.505	0.049
S94	-0.627	-0.422	-0.502	-0.479	3.338	0.027
S95	-0.605	-0.437	-0.527	-0.279	-0.498	0.038
S96	-0.642	-0.260	-0.517	-0.419	3.241	0.039
S97	-0.600	-0.424	-0.510	-0.380	-0.514	0.052
S98	-0.658	-0.301	-0.598	-0.505	3.289	0.086
S99	-0.607	-0.476	-0.598	-0.729	-0.489	0.027
S100	-0.660	-0.908	-0.729	-1.120	3.111	0.055
S101	-0.609	-0.755	-0.732	-1.091	-0.459	-0.098
S102	1.221	0.603	1.086	0.506	-0.039	-0.209
S103	1.210	0.625	1.131	0.449	-0.112	-0.155
S104	1.230	0.733	1.101	0.541	-0.049	-0.233
S105	1.206	1.213	1.099	0.442	-0.105	-0.063
S106	1.232	0.750	1.160	0.548	-0.070	-0.161
S107	1.212	2.180	1.162	0.510	-0.084	-0.040
S108	1.232	0.754	1.184	0.579	-0.070	-0.106
S109	1.223	1.032	1.269	0.621	-0.077	-0.017
S110	1.232	0.703	1.203	0.547	-0.061	-0.055
S111	1.232	0.899	1.258	0.580	-0.062	-0.070
S112	1.230	1.120	1.275	0.791	-0.054	-0.220
S113	1.237	0.823	1.190	0.484	-0.067	-0.097
S114	1.228	1.170	1.273	0.874	-0.047	-0.223
S115	1.237	1.148	1.264	0.573	-0.072	-0.015
S116	1.219	1.400	1.228	1.063	-0.056	-0.207
S117	1.234	0.911	1.235	0.431	-0.081	-0.002
S118	1.208	1.340	1.173	0.957	-0.064	-0.199

S119	1.232	0.726	1.148	0.284	-0.130	-0.072	
S120	1.186	0.970	1.060	0.539	-0.049	-0.061	
\$121	1.212	0.896	1.050	0.354	-0.135	-0.123	
S122	2.317	1.605	2.164	0.889	0.059	-0.270	
S123	2.302	2.567	2.242	0.917	0.042	-0.396	
\$124	2.397	1.945	2.308	0.243	0.082	-0.247	
S125	2.317	2.565	2.385	0.894	0.055	-0.425	
S126	2.470	1.969	2.510	1.012	0.068	-0.232	
S127	2.408	2.576	2.587	0.911	0.056	-0.337	
S128	2.537	1.969	2.606	1.012	0.067	-0.213	
S129	2.508	2.604	2.523	1.177	0.066	-0.234	
S130	2.579	1.997	2.646	1.033	0.074	-0.268	
S131	2.599	2.531	2.612	1.374	0.069	-0.238	
S132	2.608	2.611	2.742	1.175	0.076	-0.294	
S133	2.583	2.553	2.676	1.383	0.063	-0.323	
S134	2.610	2.847	2.750	1.379	0.070	-0.305	
\$135	2.523	2.738	2.168	1.290	0.067	-0.312	
S136	2.521	2.820	2.574	1.302	0.061	-0.295	
S137	2.479	2.785	2.638	1.084	0.064	-0.303	
S138	2.388	2.539	2.419	1.116	0.074	-0.286	
S139	2.519	2.634	2.425	1.056	0.031	-0.300	
S140	2.346	2.113	2.142	0.749	0.063	-0.290	
S141	2.239	2.029	2.132	1.023	0.028	-0.337	
S142	-0.620	-0.215	-0.449	-0.539	-0.314	-0.620	
S143	-0.645	-0.097	-0.574	-0.493	-0.367	-0.428	
S144	-0.574	-0.349	-0.447	-0.499	-0.319	-0.596	
S145	-0.540	0.067	-0.513	-0.514	-0.353	-0.399	
S146	-0.447	-0.096	-0.215	-0.470	-0.344	-0.565	
S147	-0.527	0.507	-0.262	-0.561	-0.335	-0.333	
S148	-0.412	-0.092	-0.181	-0.442	-0.341	-0.469	
S149	-0.401	0.448	-0.115	-0.381	-0.330	-0.306	
S150	-0.323	-0.124	-0.077	-0.398	-0.332	-0.438	
S151	-0.296	0.242	0.012	-0.103	-0.327	-0.316	
S152	-0.270	0.435	0.000	-0.068	-0.326	-0.522	
S153	-0.279	0.240	0.034	-0.383	-0.333	-0.319	
S154	-0.281	0.647	0.032	-0.051	-0.332	-0.537	
S155	-0.272	0.474	-0.017	-0.236	-0.336	-0.267	
S156	-0.418	0.786	0.049	-0.082	-0.338	-0.526	
S157	-0.354	0.616	0.008	-0.568	-0.364	-0.274	
\$158	0.124	1.452	0.625	0.346	0.121	-0.284	
S159	-0.401	0.629	-0.070	-0.696	-0.390	-0.338	
S160	-0.565	-0.047	-0.411	-0.287	-0.358	-0.518	
S161	-0.556	0.380	-0.549	-0.728	-0.421	-0.372	
S162	-0.527	-0.609	-0.598	-0.626	-0.322	-0.234	
S163	-0.531	-0.137	-0.519	-0.558	-0.394	-0.147	
S164	-0.518	-0.531	-0.523	-0.563	-0.322	-0.237	
S165	-0.487	0.242	-0.466	-0.540	-0.385	-0.135	
S166	-0.421	-0.387	-0.255	-0.542	-0.334	-0.131	
5167         -0.398         0.444         -0.330         -0.488         -0.360         -0.117           5168         -0.355         -0.370         -0.313         -0.476         -0.344         -0.063           5170         -0.256         -0.241         -0.104         -0.443         -0.340         -0.054           5171         -0.234         0.196         0.010         -0.190         -0.343         -0.118           5172         -0.2201         0.489         -0.009         -0.388         -0.337         -0.177           5173         -0.188         0.513         0.036         -0.102         -0.334         -0.112           5176         -0.220         0.625         -0.056         -0.338         -0.334         -0.178           5177         -0.330         0.194         -0.029         -0.291         -0.363         -0.058           5178         -0.423         0.534         -0.213         -0.330         -0.178           5179         -0.396         0.438         -0.251         -0.443         -0.340         -0.211           5184         -0.496         0.147         -0.455         -0.770         -0.344         -0.143           5182							
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5168         -0.385         -0.370         -0.313         -0.476         -0.344         -0.063           5159         -0.256         0.304         -0.132         -0.209         -0.344         -0.082           5170         -0.256         -0.241         -0.104         -0.433         -0.340         -0.054           5171         -0.231         0.0489         -0.009         -0.388         -0.337         -0.117           5173         -0.183         0.097         0.004         -0.129         -0.346         -0.112           5175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           5176         -0.270         0.625         -0.056         -0.338         -0.333         -0.176           5178         -0.423         0.334         -0.176         -0.333         -0.176           5178         -0.423         0.334         -0.176         -0.344         -0.210           5181         -0.425         -0.770         -0.344         -0.210           5181         -0.426         -0.631         -0.374         -0.368           5182         -0.596         -0.971         -0.253         -0.418         -0.188	S167	-0.398	0.444	-0.330	-0.488	-0.360	-0.117
S169         -0.256         0.304         -0.132         -0.209         -0.344         -0.082           S170         -0.256         -0.241         -0.104         -0.433         -0.340         -0.054           S171         -0.234         0.196         0.010         -0.190         -0.343         -0.117           S173         -0.188         0.513         0.036         -0.102         -0.333         -0.196           S175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           S175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           S177         -0.330         0.194         -0.092         -0.231         -0.363         -0.076           S177         -0.330         0.194         -0.092         -0.231         -0.362         -0.096           S178         -0.423         0.534         -0.213         -0.362         -0.076         5           S178         -0.423         0.534         -0.251         -0.423         -0.380         -0.414           S181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           S182	S168	-0.385	-0.370	-0.313	-0.476	-0.344	-0.063
\$170         -0.256         -0.241         -0.104         -0.443         -0.340         -0.054           \$171         -0.234         0.196         0.010         -0.190         -0.343         -0.118           \$172         -0.201         0.489         -0.009         -0.388         -0.337         -0.177           \$173         -0.188         0.513         0.036         -0.102         -0.3346         -0.0128           \$175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.344         -0.210           \$181         -0.485         -0.770         -0.344         -0.143         5182         -0.496         -0.414         -0.414           \$181         -0.485         -0.571         -0.771         -0.380         -0.418           \$182         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168	S169	-0.256	0.304	-0.132	-0.209	-0.344	-0.082
5171         -0.234         0.196         0.010         -0.190         -0.343         -0.118           5172         -0.201         0.489         -0.009         -0.388         -0.337         -0.177           5173         -0.183         0.097         0.004         -0.129         -0.346         -0.112           5174         -0.288         0.110         -0.039         -0.230         -0.346         -0.082           5175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           5176         -0.220         0.625         -0.056         -0.338         -0.133         -0.176           5177         -0.330         0.194         -0.0221         -0.363         -0.058           5178         -0.423         0.534         -0.213         -0.382         -0.096           5180         -0.496         0.147         -0.455         -0.770         -0.344         -0.143           5181         -0.495         -0.796         -0.721         -0.253         -0.418         -0.178           5184         -0.571         -0.725         -0.386         -0.301         5187           5184         -0.576         -0.721         -0	S170	-0.256	-0.241	-0.104	-0.443	-0.340	-0.054
\$172         -0.201         0.489         -0.009         -0.388         -0.337         -0.177           \$173         -0.183         0.097         0.004         -0.129         -0.346         -0.112           \$174         -0.188         0.513         0.036         -0.102         -0.333         -0.196           \$175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           \$176         -0.270         0.625         -0.056         -0.338         -0.333         -0.178           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.332         -0.178           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.391         -0.721         -0.253         -0.414         -0.143           \$182         -0.566         -0.721         -0.253         -0.418         -0.198           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.596	S171	-0.234	0.196	0.010	-0.190	-0.343	-0.118
\$173         -0.183         0.097         0.004         -0.129         -0.346         -0.112           \$174         -0.188         0.513         0.036         -0.102         -0.333         -0.196           \$175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           \$176         -0.270         0.625         -0.056         -0.338         -0.334         -0.176           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.399         -0.414         -0.143         -0.380         -0.418           \$182         -0.596         -0.721         -0.253         -0.418         -0.198           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.586         -0.781         -0.725         -0.386         -0.301           \$184         -0.573 <td< td=""><td>S172</td><td>-0.201</td><td>0.489</td><td>-0.009</td><td>-0.388</td><td>-0.337</td><td>-0.177</td></td<>	S172	-0.201	0.489	-0.009	-0.388	-0.337	-0.177
\$174         -0.188         0.513         0.036         -0.102         -0.333         -0.196           \$175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           \$176         -0.270         0.625         -0.056         -0.338         -0.334         -0.176           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.334         -0.170           \$180         -0.445         0.0496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.390         -0.141         -0.143         -0.143         -0.183           \$182         -0.596         -0.555         -0.664         -0.830         -0.374         -0.368           \$184         -0.571         -0.797         -0.642         -0.631         -0.372         -0.381           \$185         -0.586         -0.721         -0.537         -0.474         -0.564         -1.192	S173	-0.183	0.097	0.004	-0.129	-0.346	-0.112
\$175         -0.228         0.110         -0.039         -0.230         -0.346         -0.082           \$176         -0.270         0.625         -0.056         -0.338         -0.334         -0.176           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.332         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.382         -0.096           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.399         -0.400         -0.287         -0.414         -0.143           \$182         -0.596         -0.511         -0.771         -0.253         -0.418         -0.198           \$183         -0.607         -0.797         -0.642         -0.631         -0.374         -0.368           \$184         -0.571         -0.797         -0.642         -0.830         -0.391         -0.174           \$184         -0.571         -0.781         -0.564         -1.192         -0.383         -0.124	S174	-0.188	0.513	0.036	-0.102	-0.333	-0.196
\$176         -0.270         0.625         -0.056         -0.338         -0.334         -0.176           \$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.382         -0.096           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.391         -0.721         -0.253         -0.418         -0.418           \$183         -0.607         -0.797         -0.642         -0.631         -0.374         -0.368           \$184         -0.571         -0.797         -0.642         -0.631         -0.386         -0.301           \$184         -0.571         -0.797         -0.642         -0.631         -0.385         -0.124           \$184         -0.574         -0.797         -0.642         -0.631         -0.385         -0.124           \$184         -0.575         -0.660         0.878         -0.380         -0.013           \$185	S175	-0.228	0.110	-0.039	-0.230	-0.346	-0.082
\$177         -0.330         0.194         -0.092         -0.291         -0.363         -0.058           \$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.382         -0.096           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           \$182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           \$183         -0.607         -0.796         -0.721         -0.253         -0.414         -0.188           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           \$187         -0.545         -0.480         -0.600         0.878         -0.341         -0.361           \$187         -0.533         -0.471         -0.564         -1.192         -0.391         -0.179	S176	-0.270	0.625	-0.056	-0.338	-0.334	-0.176
\$178         -0.423         0.534         -0.213         -0.305         -0.333         -0.178           \$179         -0.396         0.438         -0.251         -0.423         -0.382         -0.096           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           \$182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           \$183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.198           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           \$186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.391           \$187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           \$188         -0.496         -0.781         -0.564         -1.192         -0.381         -0.626	S177	-0.330	0.194	-0.092	-0.291	-0.363	-0.058
\$179         -0.396         0.438         -0.251         -0.423         -0.382         -0.096           \$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           \$182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           \$183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.368           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           \$186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           \$187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           \$188         -0.496         -0.781         -0.564         -1.192         -0.387         -0.244           \$191         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244	S178	-0.423	0.534	-0.213	-0.305	-0.333	-0.178
\$180         -0.496         0.147         -0.455         -0.770         -0.344         -0.210           \$181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           \$182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           \$183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.198           \$184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           \$185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           \$186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           \$187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           \$188         -0.496         -0.781         -0.564         -1.192         -0.387         -0.244           \$190         -0.474         -0.768         -0.595         -1.042         -0.372         -0.394           \$191         -0.478         -0.620         -0.493         -0.013         -0.388         -0.103	S179	-0.396	0.438	-0.251	-0.423	-0.382	-0.096
S181         -0.485         -0.349         -0.400         -0.287         -0.414         -0.143           S182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           S183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.198           S184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           S185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           S186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           S187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           S188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.372         -0.394           S191         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394	S180	-0.496	0.147	-0.455	-0.770	-0.344	-0.210
S182         -0.596         -0.911         -0.727         0.071         -0.380         -0.418           S183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.198           S184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           S185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           S186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           S187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           S188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.384         -0.037           S193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103	S181	-0.485	-0.349	-0.400	-0.287	-0.414	-0.143
S183         -0.607         -0.796         -0.721         -0.253         -0.418         -0.198           S184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           S185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           S186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           S187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           S188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.532         -1.178         -0.390         -0.433           S194	S182	-0.596	-0.911	-0.727	0.071	-0.380	-0.418
S184         -0.571         -0.797         -0.642         -0.631         -0.374         -0.368           S185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           S186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           S187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           S194         -0.456         -0.467         -0.489         -1.183         -0.390         -0.345           S197         -0.474         -0.529         -0.581         0.634         -0.391         -0.91	S183	-0.607	-0.796	-0.721	-0.253	-0.418	-0.198
S185         -0.596         -0.555         -0.664         -0.830         -0.390         -0.168           S186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           S187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           S188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           S194         -0.456         -0.467         -0.489         -1.183         -0.390         -0.345           S197         -0.474         -0.529         -0.581         0.634         -0.391         -0.991	S184	-0.571	-0.797	-0.642	-0.631	-0.374	-0.368
\$186         -0.538         -0.792         -0.630         -1.255         -0.386         -0.301           \$187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           \$188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           \$189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           \$190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           \$191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           \$192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           \$193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           \$194         -0.456         -0.467         -0.489         -1.183         -0.390         -0.379           \$195         -0.458         -0.521         -0.551         -0.608         -0.390         -0.391           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345	S185	-0.596	-0.555	-0.664	-0.830	-0.390	-0.168
\$187         -0.545         -0.480         -0.600         0.878         -0.385         -0.124           \$188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           \$189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           \$190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           \$191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           \$192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           \$193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           \$193         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           \$194         -0.456         -0.521         -0.568         -0.390         -0.379           \$195         -0.483         -0.413         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198	S186	-0.538	-0.792	-0.630	-1.255	-0.386	-0.301
S188         -0.496         -0.781         -0.564         -1.192         -0.393         -0.179           S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           S194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           S195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.497           S196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           S197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           S198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350	S187	-0.545	-0.480	-0.600	0.878	-0.385	-0.124
S189         -0.503         -0.405         -0.538         0.468         -0.380         -0.081           S190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.536         -0.564         -0.6655         -0.388         -0.103           S194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           S195         -0.458         -0.522         -0.551         -0.608         -0.390         -0.097           S196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           S197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           S198         -0.540         -0.480         -0.619         1.859         -0.419         -0.212           S200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391	S188	-0.496	-0.781	-0.564	-1.192	-0.393	-0.179
\$190         -0.474         -0.768         -0.595         -1.042         -0.387         -0.244           \$191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           \$192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           \$193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           \$194         -0.456         -0.467         -0.489         -1.183         -0.390         -0.379           \$195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391	S189	-0.503	-0.405	-0.538	0.468	-0.380	-0.081
S191         -0.478         -0.620         -0.493         -0.013         -0.381         -0.082           S192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           S193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           S194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           S195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           S196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           S197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           S198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           S199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           S200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           S201         -0.568         -1.061         -0.829         1.543         -0.433         -0.348	S190	-0.474	-0.768	-0.595	-1.042	-0.387	-0.244
\$192         -0.454         -0.573         -0.470         -0.276         -0.372         -0.394           \$193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           \$194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           \$195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.433         -0.348	S191	-0.478	-0.620	-0.493	-0.013	-0.381	-0.082
\$193         -0.452         -0.536         -0.564         -0.665         -0.388         -0.103           \$194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           \$195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -1.081         -0.838         2.611         -0.433         -0.348	S192	-0.454	-0.573	-0.470	-0.276	-0.372	-0.394
\$194         -0.456         -0.467         -0.489         -1.183         -0.380         -0.379           \$195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258	S193	-0.452	-0.536	-0.564	-0.665	-0.388	-0.103
\$195         -0.458         -0.532         -0.551         -0.608         -0.390         -0.097           \$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258	S194	-0.456	-0.467	-0.489	-1.183	-0.380	-0.379
\$196         -0.483         -0.443         -0.523         -1.178         -0.390         -0.345           \$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -1.881         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.222	S195	-0.458	-0.532	-0.551	-0.608	-0.390	-0.097
\$197         -0.474         -0.529         -0.581         0.634         -0.391         -0.091           \$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.222	S196	-0.483	-0.443	-0.523	-1.178	-0.390	-0.345
\$198         -0.540         -0.480         -0.630         1.157         -0.378         -0.350           \$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240	S197	-0.474	-0.529	-0.581	0.634	-0.391	-0.091
\$199         -0.529         -0.484         -0.649         2.848         -0.403         -0.129           \$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237	S198	-0.540	-0.480	-0.630	1.157	-0.378	-0.350
\$200         -0.571         -0.657         -0.721         1.077         -0.391         -0.391           \$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.441         -0.234	S199	-0.529	-0.484	-0.649	2.848	-0.403	-0.129
\$201         -0.569         -0.790         -0.691         1.859         -0.419         -0.212           \$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.441         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.441         -0.280           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280	S200	-0.571	-0.657	-0.721	1.077	-0.391	-0.391
\$202         -0.658         -1.061         -0.829         1.543         -0.432         -0.352           \$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338	S201	-0.569	-0.790	-0.691	1.859	-0.419	-0.212
\$203         -0.649         -0.863         -0.783         -0.597         -0.474         -0.271           \$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274	S202	-0.658	-1.061	-0.829	1.543	-0.432	-0.352
\$204         -0.649         -1.081         -0.838         2.611         -0.433         -0.348           \$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342 <td>S203</td> <td>-0.649</td> <td>-0.863</td> <td>-0.783</td> <td>-0.597</td> <td>-0.474</td> <td>-0.271</td>	S203	-0.649	-0.863	-0.783	-0.597	-0.474	-0.271
\$205         -0.629         -0.829         -0.819         -1.499         -0.465         -0.258           \$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S204	-0.649	-1.081	-0.838	2.611	-0.433	-0.348
\$206         -0.598         -0.788         -0.778         1.886         -0.444         -0.309           \$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.332	S205	-0.629	-0.829	-0.819	-1.499	-0.465	-0.258
\$207         -0.609         -0.745         -0.821         -1.321         -0.448         -0.202           \$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.332	\$206	-0.598	-0.788	-0.778	1.886	-0.444	-0.309
\$208         -0.600         -0.945         -0.759         2.116         -0.451         -0.240           \$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S207	-0.609	-0.745	-0.821	-1.321	-0.448	-0.202
\$209         -0.589         -0.747         -0.698         -1.278         -0.440         -0.237           \$210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           \$211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           \$212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           \$213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           \$214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S208	-0.600	-0.945	-0.759	2.116	-0.451	-0.240
S210         -0.576         -0.975         -0.678         0.814         -0.447         -0.234           S211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           S212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           S213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           S214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S209	-0.589	-0.747	-0.698	-1.278	-0.440	-0.237
S211         -0.565         -0.758         -0.676         -1.218         -0.441         -0.280           S212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           S213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           S214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S210	-0.576	-0.975	-0.678	0.814	-0.447	-0.234
S212         -0.556         -0.898         -0.681         0.520         -0.445         -0.338           S213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           S214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S211	-0.565	-0.758	-0.676	-1.218	-0.441	-0.280
S213         -0.538         -0.747         -0.668         -1.125         -0.442         -0.274           S214         -0.549         -0.676         -0.670         -0.929         -0.440         -0.342	S212	-0.556	-0.898	-0.681	0.520	-0.445	-0.338
S214 -0.549 -0.676 -0.670 -0.929 -0.440 -0.342	S213	-0.538	-0.747	-0.668	-1.125	-0.442	-0.274
	S214	-0.549	-0.676	-0.670	-0.929	-0.440	-0.342

S215	-0.536	-0.906	-0.664	-1.230	-0.442	-0.244
S216	-0.571	-0.689	-0.670	-0.771	-0.442	-0.346
S217	-0.551	-0.876	-0.700	-1.258	-0.461	-0.233
S218	-0.580	-0.755	-0.689	3.264	-0.445	-0.335
S219	-0.571	-0.697	-0.817	-1.088	-0.476	-0.238
S220	-0.658	-0.844	-0.632	3.342	-0.438	-0.324
S221	-0.587	-0.820	-0.844	2.302	-0.472	-0.263
S222	-0.556	-0.949	-0.749	1.996	-0.403	-0.355
S223	-0.658	-0.932	-0.759	0.353	-0.453	-0.233
S224	-0.551	-0.893	-0.736	2.839	-0.405	-0.384
S225	-0.645	-0.812	-0.644	-0.143	-0.419	-0.217
S226	-0.487	-0.835	-0.666	2.852	-0.418	-0.310
S227	-0.583	-0.721	-0.613	-1.316	-0.416	-0.205
S228	-0.487	-0.850	-0.608	3.443	-0.423	-0.233
S229	-0.556	-0.773	-0.578	-1.254	-0.418	-0.168
S230	-0.449	-0.846	-0.581	2.268	-0.419	-0.202
S231	-0.547	-0.839	-0.561	-1.085	-0.416	-0.162
S232	-0.447	-0.603	-0.581	0.788	-0.413	-0.219
S233	-0.527	-0.861	-0.559	-1.233	-0.417	-0.179
S234	-0.445	-0.592	-0.547	-1.081	-0.415	-0.294
S235	-0.536	-0.730	-0.578	-1.264	-0.432	-0.258
S236	-0.456	-0.553	-0.555	0.439	-0.420	-0.299
S237	-0.554	-0.717	-0.587	-1.254	-0.440	-0.182
S238	-0.509	-0.613	-0.604	3.667	-0.420	-0.286
\$239	-0.631	-0.758	-0.655	-1.148	-0.443	-0.200
S240	-0.569	-0.928	-0.672	3.474	-0.420	-0.286
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0	1.0	1.0

	Z1	Z2	Z3	Z4	Z5	Z6	Z7
Z1	1	0.088787	0.012621	0.341006	0.117995	0.0484	-0.10006
Z2	0.088787	1	0.561177	0.326399	0.564026	0.568219	0.349949
Z3	0.012621	0.561177	1	0.235262	0.929449	0.991367	0.063651
Z4	0.341006	0.326399	0.235262	1	0.338447	0.288659	0.322352
Z5	0.117995	0.564026	0.929449	0.338447	1	0.955521	0.040199
Z6	0.0484	0.568219	0.991367	0.288659	0.955521	1	0.052376
Z7	-0.10006	0.349949	0.063651	0.322352	0.040199	0.052376	1

	Z1	Z2	Z3	Z8	Z9	Z10	Z11
Z1	1	0.088787	0.012621	-0.05578	-0.11617	-0.31181	-0.15789
Z2	0.088787	1	0.561177	0.460861	0.384144	-0.1442	-0.2867
Z3	0.012621	0.561177	1	0.54785	0.446378	-0.03327	-0.23741
Z8	-0.05578	0.460861	0.54785	1	0.214758	-0.00426	-0.12211
Z9	-0.11617	0.384144	0.446378	0.214758	1	-0.16934	-0.26851
Z10	-0.31181	-0.1442	-0.03327	-0.00426	-0.16934	1	0.760903
Z11	-0.15789	-0.2867	-0.23741	-0.12211	-0.26851	0.760903	1

#### **CORRELATION MATRIX LEVEL 4**

	Z1	Z2	Z3	Z12	Z13
Z1	1	0.088787	0.012621	-0.19409	0.125751
Z2	0.088787	1	0.561177	-0.15456	0.119592
Z3	0.012621	0.561177	1	-0.12778	-0.03768
Z12	-0.19409	-0.15456	-0.12778	1	-0.23424
Z13	0.125751	0.119592	-0.03768	-0.23424	1

	Z1	Z4	Z5	Z8	Z9	Z12	Z13
Z1	1	0.341006	0.117995	-0.05578	-0.11617	-0.19409	0.125751
Z4	0.341006	1	0.338447	0.178481	-0.02412	-0.09938	0.07609
Z5	0.117995	0.338447	1	0.499567	0.375	-0.16321	-0.07449
Z8	-0.05578	0.178481	0.499567	1	0.214758	-0.08135	0.031877
Z9	-0.11617	-0.02412	0.374557	0.214758	1	-0.19193	-0.10201
Z12	-0.19409	-0.09938	-0.16321	-0.08135	-0.19193	1	-0.23424
Z13	0.125751	0.07609	-0.07449	0.031877	-0.10201	-0.23424	1

	Z1	Z4	Z5	Z10	Z11
Z1	1	0.341006	0.117995	-0.31181	-0.15789
Z4	0.341006	1	0.338447	-0.28441	-0.34068
Z5	0.117995	0.338447	1	-0.04995	-0.23139
Z10	-0.31181	-0.28441	-0.04995	1	0.760903
Z11	-0.15789	-0.34068	-0.23139	0.760903	1

#### **CORRELATION MATRIX LEVEL 7**

	Z1	Z6	Z7	Z8	Z9
Z1	1	0.0484	-0.10006	-0.05578	-0.11617
Z6	0.0484	1	0.052376	0.545772	0.419966
Z7	-0.10006	0.052376	1	0.245662	0.155103
Z8	-0.05578	0.545772	0.245662	1	0.214758
Z9	-0.11617	0.419966	0.155103	0.214758	1

### **CORRELATION MATRIX LEVEL 8**

	Z1	Z6	Z7	Z10	Z11	Z12	Z13
Z1	1	0.0484	-0.10006	-0.31181	-0.15789	-0.19409	0.125751
Z6	0.0484	1	0.052376	-0.02665	-0.2261	-0.12436	-0.05383
Z7	-0.10006	0.052376	1	-0.05476	-0.12148	-0.00068	0.09264
Z10	-0.31181	-0.02665	-0.05476	1	0.760903	0.627598	-0.39101
Z11	-0.15789	-0.2261	-0.12148	0.760903	1	0.57054	-0.30364
Z12	-0.19409	-0.12436	-0.00068	0.627598	0.57054	1	-0.23424
Z13	0.125751	-0.05383	0.09264	-0.39101	-0.30364	-0.23424	1

#### **CORRELATION MATRIX LEVEL 9**

	Z2	Z4	Z6	Z8	Z10	Z12
Z2	1	0.326399	0.568219	0.460861	-0.1442	-0.15456
Z4	0.326399	1	0.288659	0.178481	-0.28441	-0.09938
Z6	0.568219	0.288659	1	0.545772	-0.02665	-0.12436
Z8	0.460861	0.178481	0.545772	1	-0.00426	-0.08135
Z10	-0.1442	-0.28441	-0.02665	-0.00426	1	0.627598
Z12	-0.15456	-0.09938	-0.12436	-0.08135	0.627598	1

	Z2	Z4	Z6	Z9	Z11	Z13
Z2	1	0.326399	0.568219	0.384144	-0.2867	0.119592
Z4	0.326399	1	0.288659	-0.02412	-0.34068	0.07609
Z6	0.568219	0.288659	1	0.419966	-0.2261	-0.05383
Z9	0.384144	-0.02412	0.419966	1	-0.26851	-0.10201
Z11	-0.2867	-0.34068	-0.2261	-0.26851	1	-0.30364
Z13	0.119592	0.07609	-0.05383	-0.10201	-0.30364	1

	Z2	Z5	Z7	Z8	Z10	Z13
Z2	1	0.564026	0.349949	0.460861	-0.1442	0.119592
Z5	0.564026	1	0.040199	0.499567	-0.04995	-0.07449
Z7	0.349949	0.040199	1	0.245662	-0.05476	0.09264
Z8	0.460861	0.499567	0.245662	1	-0.00426	0.031877
Z10	-0.1442	-0.04995	-0.05476	-0.00426	1	-0.39101
Z13	0.119592	-0.07449	0.09264	0.031877	-0.39101	1

#### **CORRELATION MATRIX LEVEL 12**

Z2	Z5	Z7	Z9	Z11	Z12
1	0.564026	0.349949	0.384144	-0.2867	-0.15456
0.564026	1	0.040199	0.374557	-0.23139	-0.16321
0.349949	0.040199	1	0.155103	-0.12148	-0.00068
0.384144	0.374557	0.155103	1	-0.26851	-0.19193
-0.2867	-0.23139	-0.12148	-0.26851	1	0.57054
-0.15456	-0.16321	-0.00068	-0.19193	0.57054	1
	22 1 0.564026 0.349949 0.384144 -0.2867 -0.15456	Z2         Z5           1         0.564026           0.564026         1           0.349949         0.040199           0.384144         0.374557           -0.2867         -0.23139           -0.15456         -0.16321	Z2         Z5         Z7           1         0.564026         0.349949           0.564026         1         0.040199           0.349949         0.040199         1           0.384144         0.374557         0.155103           -0.2867         -0.23139         -0.12148	Z2         Z5         Z7         Z9           1         0.564026         0.349949         0.384144           0.564026         1         0.040199         0.374557           0.349949         0.040199         1         0.155103           0.384144         0.374557         0.155103         1           -0.2867         -0.23139         -0.12148         -0.26851           -0.15456         -0.16321         -0.00068         -0.19193	Z2         Z5         Z7         Z9         Z11           1         0.56402         0.34994         0.384144         0.2867           0.564026         1         0.04019         0.374557         0.23139           0.349949         0.040199         1         0.155103         0.12148           0.384144         0.374557         0.155103         1         0.26851           -0.2867         0.23139         0.12148         0.26851         1           -0.15456         -0.16321         -0.00068         -0.19193         0.57054

#### **CORRELATION MATRIX LEVEL 13**

	Z3	Z4	Z7	Z8	Z11	Z12
Z3	1	0.235262	0.063651	0.54785	-0.23741	-0.12778
Z4	0.235262	1	0.322352	0.178481	-0.34068	-0.09938
Z7	0.063651	0.322352	1	0.245662	-0.12148	-0.00068
Z8	0.54785	0.178481	0.245662	1	-0.12211	-0.00068
Z11	-0.23741	-0.34068	-0.12148	-0.12211	1	0.57054
Z12	-0.12778	-0.09938	-0.00068	-0.08135	0.57054	1

## **CORRELATION MATRIX LEVEL 14**

	Z3	Z4	Z7	Z9	Z10	Z13
Z3	1	0.235262	0.063651	0.446378	-0.03327	-0.03768
Z4	0.235262	1	0.322352	-0.02412	-0.28441	0.07609
Z7	0.063651	0.322352	1	0.155103	-0.05476	0.09264
Z9	0.446378	-0.02412	0.155103	1	-0.16934	-0.10201
Z10	-0.03327	-0.28441	-0.05476	-0.16934	1	-0.39101
Z13	-0.03768	0.07609	0.09264	-0.10201	-0.39101	1

	Z3	Z5	Z6	Z8	Z11	Z13
Z3	1	0.929449	0.991367	0.54785	-0.23741	-0.03768
Z5	0.929449	1	0.955521	0.499567	-0.23139	-0.07449
Z6	0.991367	0.955521	1	0.545772	-0.2261	-0.05383
Z8	0.54785	0.499567	0.545772	1	-0.12211	0.031877
Z11	-0.23741	-0.23139	-0.2261	-0.12211	1	-0.30364
Z13	-0.03768	-0.07449	-0.05383	0.031877	-0.30364	1

	Z3	Z5	Z6	Z9	Z10	Z12
Z3	1	0.929449	0.991367	0.446378	-0.03327	-0.12778
Z5	0.929449	1	0.955521	0.374557	-0.04995	-0.16321
Z6	0.991367	0.955521	1	0.419966	-0.02665	-0.12436
Z9	0.446378	0.374557	0.419966	1	-0.16934	-0.19193
Z10	-0.03327	-0.04995	-0.02665	-0.16934	1	0.627598
Z12	-0.12778	-0.16321	-0.12436	-0.19193	0.627598	1

#### MATRIX INVERSE LEVEL 2

	2	3	4	5	6	7
1	1.247	-0.126	0.402	-0.464	-0.547	0.253
2	-0.126	1.784	-0.270	-0.070	-0.398	-0.310
3	0.402	-0.270	89.023	4.598	14.416	-103.108
4	-0.464	-0.070	4.598	1.727	0.029	-4.990
5	-0.547	-0.398	14.416	0.029	14.983	-28.366
6	0.253	-0.310	-103.108	-4.990	-28.366	131.794
7	0.301	-0.565	-2.193	-0.611	0.041	2.543

### MATRIX INVERSE LEVEL 3

	2	3	8	9	10	11
1	1.201	-0.181	-0.161	0.150	0.280	0.580
2	-0.181	1.669	-0.532	-0.395	-0.283	-0.083
3	-0.161	-0.532	2.006	-0.698	-0.523	-0.491
8	0.150	-0.395	-0.698	1.535	0.142	0.047
9	0.280	-0.283	-0.523	0.142	1.399	0.214
10	0.580	-0.083	-0.491	0.047	0.214	2.798
11	-0.248	0.262	0.447	-0.066	0.069	-2.114

#### MATRIX INVERSE LEVEL 4

	1	2	3	12	13
1	1.052	-0.088	0.056	0.180	-0.078
2	-0.088	1.516	-0.849	0.065	-0.187
3	0.056	-0.849	1.497	0.112	0.177
12	0.180	0.065	0.112	1.114	0.235
13	-0.078	-0.187	0.177	0.235	1.094

	1	4	5	8	9	12	13
1	1.226	-0.369	-0.156	0.192	0.183	0.209	-0.076
4	-0.369	1.289	-0.420	-0.072	0.154	-0.004	-0.066
5	-0.156	-0.420	1.713	-0.683	-0.486	0.100	0.175
8	0.192	-0.072	-0.683	1.375	-0.032	-0.003	-0.117
9	0.183	0.154	-0.486	-0.032	1.272	0.240	0.116
12	0.209	-0.004	0.100	-0.003	0.240	1.168	0.280
13	-0.076	-0.066	0.175	-0.117	0.116	0.280	1.109

### **MATRIX INVERSE LEVEL 6**

	1	4	5	10	11
1	1.253	-0.366	-0.084	0.574	-0.383
4	-0.366	1.351	-0.341	0.016	0.311
5	-0.084	-0.341	1.214	-0.422	0.473
10	0.574	0.016	-0.422	2.764	-2.104
11	-0.383	0.311	0.473	-2.104	2.756

## MATRIX INVERSE LEVEL 7

	1	6	7	8	9
1	1.040	-0.180	0.062	0.106	0.164
6	-0.180	1.720	0.197	-0.871	-0.587
7	0.062	0.197	1.106	-0.338	-0.174
8	0.106	-0.871	-0.338	1.543	0.099
9	0.164	-0.587	-0.174	0.099	1.271

## MATRIX INVERSE LEVEL 8

	1	6	7	10	11	12	13
1	1.150	-0.104	0.122	0.534	-0.247	0.010	-0.025
6	-0.104	1.138	-0.037	-0.456	0.544	0.119	0.092
7	0.122	-0.037	1.043	-0.017	0.175	-0.090	-0.089
10	0.534	-0.456	-0.017	3.318	-1.946	-0.826	0.423
11	-0.247	0.544	0.175	-1.946	2.797	-0.343	0.052
12	0.010	0.119	-0.090	-0.826	-0.343	1.729	-0.009
13	-0.025	0.092	-0.089	0.423	0.052	-0.009	1.196

#### MATRIX INVERSE LEVEL 9

	2	4	6	8	10	12	
2	1.641	-0.243	-0.665	-0.346	0.122	0.042	
4	-0.243	1.257	-0.243	0.003	0.462	-0.233	
6	-0.665	-0.243	1.805	-0.620	-0.246	0.202	
8	-0.346	0.003	-0.620	1.501	-0.089	0.048	
10	0.122	0.122 0.462		-0.089	1.856	-1.138	
12	0.042 -0.233		0.202	0.048	-1.138	1.727	

	2	4	6	9	11	13
2	1.698	-0.323	-0.719	-0.372	0.040	-0.243
4	-0.323	1.332	-0.262	0.393	0.437	0.096
6	-0.719	-0.262	1.669	-0.409	0.021	0.160
9	-0.372	0.393	-0.409	1.461	0.408	0.265
11	0.040 0.437		0.021	0.408	1.405	0.431
13	-0.243 0.096		0.160	0.265	0.431	1.188

### MATRIX INVERSE LEVEL 11

	2	5	7	8	10	13
2	1.853	-0.896	-0.522	-0.272	0.121	-0.184
5	-0.896	1.807	0.366	-0.588	0.079	0.258
7	-0.522	0.366	1.229	-0.244	0.003	-0.015
8	-0.272	-0.588	-0.244	1.481	-0.106	-0.077
10	0.121	0.079	0.003	-0.106	1.203	0.465
13	-0.184	0.258	-0.015	-0.077	0.465	1.227

# MATRIX INVERSE LEVEL 12

	2	5	7	9	11	12
2	1.833	-0.879	-0.544	-0.240	0.205	-0.024
5	-0.879	1.612	0.294	-0.289	0.056	0.040
7	-0.544	0.294	1.203	-0.082	0.097	-0.106
9	-0.240	-0.289	-0.082	1.268	0.154	0.071
11	0.205	0.056	0.097	0.154	1.608	-0.847
12	-0.024	-0.024 0.040		0.071	-0.847	1.500

## MATRIX INVERSE LEVEL 13

	3	4	7	8	11	12	
3	1.541	-0.211	0.194	-0.827	0.173	0.077	
4	-0.201	1.293	-0.353	0.008	0.433	-0.145	
7	0.199	-0.357	1.191	-0.335	0.051	-0.039	
8	-0.829	0.025	-0.327	1.523	0.025	-0.117	
11	0.234	0.432	0.076	-0.088	1.719	-0.908	
12	-0.024	-0.143	-0.079	0.069	-0.914	1.504	

## MATRIX INVERSE LEVEL 14

	3	4	7	9	10	13	
3	1.404	-0.459	0.165	-0.712	-0.231	-0.090	
4	-0.459	1.396	-0.472	0.409	0.485	0.151	
7	0.165	-0.472	1.197	-0.320	-0.185	-0.174	
9	-0.712	0.409	-0.320	1.482	0.442	0.296	
10	-0.231 0.485		-0.185	0.442	1.418	0.571	
13	-0.090 0.151		-0.174	0.296	0.571	1.255	

	3	5	6	8	11	13
3	75.669	15.538	-89.510	-0.209	1.160	-0.451
5	15.538	14.918	-29.681	0.292	0.543	0.255
6	-89.510	-29.681	118.288	-0.871	-1.360	0.398
8	-0.209	0.292	-0.871	1.443	-0.029	-0.088
11	1.160	0.543	-1.360	-0.029	1.205	0.378
13	-0.451	0.255	0.398	-0.088	0.378	1.141

	3	5	6	9	10	12	
3	78.680	15.822	-92.104	-2.213	0.171	0.650	
5	15.822	15.141	-30.078	0.045	0.018	0.749	
6	-92.104	-30.078	120.216	1.604	-0.330	-1.213	
9	-2.213	0.045	1.604	1.339	0.139	0.094	
10	0.171	0.171 0.018		0.139	1.674	-1.040	
12	0.650 0.749		-1.213	0.094	-1.040	1.725	

# **RESPONSE DATA**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
S1	0.013	0.022	0.021	0.026	0.021	0.031	0.025	0.020	0.227	0.234	0.256	0.253	0.096	0.087	4.714	4.901
S2	0.813	1.356	1.306	1.602	1.334	1.909	1.584	1.251	0.230	0.238	0.259	0.257	0.092	0.084	4.511	4.690
S3	0.061	0.102	0.098	0.121	0.101	0.144	0.119	0.094	0.230	0.238	0.259	0.257	0.100	0.091	4.921	5.117
S4	0.817	1.364	1.313	1.611	1.341	1.919	1.593	1.258	0.233	0.241	0.263	0.260	0.101	0.092	4.956	5.153
S5	0.060	0.100	0.096	0.118	0.099	0.141	0.117	0.092	0.228	0.236	0.258	0.255	0.102	0.093	5.026	5.226
S6	0.014	0.023	0.022	0.027	0.022	0.032	0.027	0.021	0.208	0.215	0.235	0.232	0.099	0.090	4.851	5.044
S7	0.059	0.099	0.095	0.117	0.097	0.140	0.116	0.091	0.225	0.233	0.254	0.251	0.104	0.095	5.097	5.300
S8	0.055	0.092	0.089	0.109	0.091	0.130	0.108	0.085	0.210	0.217	0.237	0.234	0.106	0.097	5.205	5.412
S9	0.060	0.100	0.096	0.118	0.099	0.141	0.117	0.092	0.233	0.241	0.263	0.260	0.107	0.098	5.277	5.487
S10	0.062	0.103	0.099	0.122	0.102	0.145	0.121	0.095	0.211	0.218	0.238	0.236	0.112	0.102	5.496	5.715
S11	0.062	0.104	0.100	0.123	0.103	0.147	0.122	0.096	0.182	0.188	0.205	0.203	0.106	0.097	5.205	5.412
S12	0.041	0.069	0.066	0.081	0.068	0.097	0.080	0.063	0.202	0.209	0.228	0.226	0.105	0.095	5.133	5.337
S13	0.059	0.099	0.095	0.117	0.097	0.140	0.116	0.091	0.166	0.172	0.188	0.186	0.106	0.097	5.205	5.412
S14	0.161	0.270	0.260	0.318	0.265	0.379	0.315	0.249	0.190	0.197	0.215	0.213	0.107	0.098	5.277	5.487
S15	0.059	0.098	0.094	0.116	0.096	0.138	0.115	0.090	0.144	0.149	0.163	0.161	0.102	0.093	4.991	5.190
S16	0.155	0.260	0.250	0.306	0.255	0.365	0.303	0.239	0.170	0.176	0.193	0.191	0.108	0.099	5.313	5.524
S17	0.062	0.104	0.100	0.123	0.103	0.147	0.122	0.096	0.156	0.161	0.176	0.174	0.094	0.086	4.611	4.795
S18	0.186	0.310	0.298	0.366	0.305	0.436	0.362	0.286	0.176	0.182	0.199	0.197	0.103	0.094	5.062	5.263
S19	0.064	0.106	0.102	0.126	0.105	0.150	0.124	0.098	0.156	0.161	0.176	0.174	0.093	0.084	4.544	4.725
S20	0.012	0.019	0.019	0.023	0.019	0.027	0.022	0.018	0.230	0.238	0.259	0.257	0.103	0.094	5.062	5.263
S21	0.086	0.144	0.139	0.170	0.142	0.203	0.169	0.133	0.199	0.206	0.225	0.222	0.106	0.097	5.205	5.412
S22	1.042	1.740	1.675	2.055	1.711	2.449	2.032	1.605	0.205	0.212	0.231	0.229	0.109	0.099	5.349	5.562
S23	0.143	0.239	0.230	0.282	0.235	0.336	0.279	0.220	0.205	0.212	0.231	0.229	0.105	0.096	5.169	5.374
S24	0.709	1.184	1.140	1.398	1.165	1.666	1.383	1.092	0.187	0.194	0.212	0.209	0.107	0.097	5.241	5.449
S25	0.122	0.204	0.196	0.241	0.200	0.287	0.238	0.188	0.203	0.211	0.230	0.227	0.103	0.094	5.062	5.263
S26	0.103	0.171	0.165	0.202	0.169	0.241	0.200	0.158	0.173	0.179	0.196	0.194	0.106	0.097	5.205	5.412
S27	0.149	0.249	0.239	0.294	0.244	0.350	0.290	0.229	0.205	0.212	0.231	0.229	0.099	0.090	4.851	5.044
S28	0.222	0.371	0.357	0.438	0.365	0.522	0.433	0.342	0.176	0.182	0.199	0.197	0.105	0.095	5.133	5.337
S29	0.154	0.257	0.247	0.303	0.253	0.361	0.300	0.237	0.205	0.212	0.231	0.229	0.099	0.090	4.851	5.044
S30	0.088	0.147	0.141	0.173	0.144	0.207	0.171	0.135	0.172	0.178	0.194	0.192	0.099	0.090	4.851	5.044
S31	0.100	0.167	0.161	0.198	0.165	0.236	0.195	0.154	0.183	0.189	0.207	0.205	0.098	0.089	4.817	5.008
S32	0.075	0.126	0.121	0.149	0.124	0.177	0.147	0.116	0.170	0.176	0.193	0.191	0.096	0.087	4.714	4.901
S33	0.094	0.157	0.151	0.185	0.154	0.221	0.183	0.145	0.137	0.141	0.154	0.153	0.101	0.092	4.956	5.153
S34	0.200	0.334	0.321	0.394	0.328	0.470	0.390	0.308	0.142	0.147	0.160	0.158	0.094	0.086	4.611	4.795
S35	0.096	0.160	0.154	0.188	0.157	0.224	0.186	0.147	0.132	0.136	0.149	0.147	0.106	0.097	5.205	5.412
S36	0.054	0.091	0.087	0.107	0.089	0.128	0.106	0.084	0.140	0.145	0.159	0.157	0.093	0.084	4.544	4.725
S37	0.089	0.149	0.144	0.176	0.147	0.210	0.174	0.138	0.143	0.148	0.161	0.160	0.111	0.101	5.459	5.677
S38	0.160	0.268	0.258	0.316	0.263	0.377	0.313	0.247	0.139	0.144	0.157	0.156	0.095	0.086	4.645	4.830
S39	0.061	0.101	0.097	0.119	0.100	0.142	0.118	0.093	0.179	0.185	0.202	0.200	0.112	0.102	5.496	5.715
S40	0.002	0.004	0.004	0.004	0.004	0.005	0.004	0.003	0.165	0.171	0.186	0.184	0.095	0.087	4.679	4.866
S41	0.069	0.115	0.111	0.136	0.113	0.162	0.134	0.106	0.877	0.908	0.991	0.981	0.383	0.349	18.806	19.554
S42	1.211	2.021	1.946	2.386	1.987	2.844	2.360	1.864	0.856	0.886	0.966	0.956	0.376	0.343	18.466	19.201
S43	0.086	0.143	0.138	0.169	0.141	0.201	0.167	0.132	0.890	0.921	1.005	0.995	0.389	0.354	19.080	19.839
S44	0.389	0.649	0.624	0.766	0.638	0.913	0.757	0.598	0.896	0.927	1.012	1.002	0.373	0.340	18.331	19.060
S45	0.086	0.144	0.139	0.170	0.142	0.203	0.169	0.133	0.877	0.908	0.991	0.981	0.390	0.355	19.149	19.911
S46	0.076	0.126	0.122	0.149	0.124	0.178	0.148	0.117	0.934	0.967	1.055	1.044	0.377	0.344	18.534	19.271
S47	0.084	0.141	0.135	0.166	0.138	0.198	0.164	0.130	0.874	0.905	0.987	0.977	0.390	0.355	19.149	19.911
S48	0.082	0.137	0.132	0.162	0.135	0.193	0.160	0.126	0.925	0.957	1.044	1.033	0.384	0.350	18.874	19.625
S49	0.062	0.103	0.099	0.122	0.102	0.145	0.121	0.095	0.887	0.918	1.001	0.991	0.390	0.355	19.149	19.911
S50	0.085	0.142	0.137	0.168	0.140	0.200	0.166	0.131	0.931	0.963	1.051	1.041	0.390	0.355	19.149	19.911

S51	0.083	0.138	0.133	0.163	0.136	0.194	0.161	0.127	0.934	0.967	1.055	1.044	0.389	0.354	19.080	19.839
S52	0.009	0.015	0.014	0.017	0.014	0.021	0.017	0.014	0.925	0.957	1.044	1.033	0.393	0.358	19.287	20.055
\$53	0.083	0.138	0.133	0.163	0.136	0.194	0.161	0.127	0.990	1.024	1,118	1,106	0.387	0.353	19.012	19.768
\$54	0.078	0.131	0.126	0 154	0.129	0 184	0.153	0.121	0.934	0.967	1.055	1 044	0 393	0.358	19 287	20.055
\$55	0.080	0.122	0.120	0.159	0.121	0.199	0.156	0.122	1 012	1.049	1 144	1 122	0.393	0.349	19.729	19 /92
555	0.000	0.133	0.120	0.155	0.131	0.100	0.150	0.123	0.020	1.040	1.144	1.005	0.302	0.340	10.730	10.002
550	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.560	1.014	1.100	1.033	0.371	0.337	19.210	10,100
557	0.071	0.118	0.114	0.140	0.110	0.107	0.138	0.109	0.903	0.997	1.088	1.077	0.375	0.341	18.398	19.130
558	0.324	0.541	0.521	0.639	0.532	0.761	0.632	0.499	1.003	1.038	1.132	1.121	0.390	0.355	19.149	19.911
\$59	0.061	0.102	0.098	0.120	0.100	0.143	0.119	0.094	0.781	0.808	0.882	0.873	0.361	0.329	17.729	18.434
S60	0.058	0.097	0.093	0.115	0.095	0.137	0.113	0.090	0.970	1.004	1.095	1.084	0.377	0.344	18.534	19.271
S61	0.058	0.097	0.093	0.115	0.095	0.137	0.113	0.090	0.970	1.004	1.095	1.084	0.377	0.344	18.534	19.271
S62	0.013	0.022	0.021	0.026	0.021	0.031	0.025	0.020	0.227	0.234	0.256	0.253	0.096	0.087	4.714	4.901
S63	0.813	1.356	1.306	1.602	1.334	1.909	1.584	1.251	0.230	0.238	0.259	0.257	0.092	0.084	4.511	4.690
S64	0.061	0.102	0.098	0.121	0.101	0.144	0.119	0.094	0.230	0.238	0.259	0.257	0.100	0.091	4.921	5.117
S65	0.817	1.364	1.313	1.611	1.341	1.919	1.593	1.258	0.233	0.241	0.263	0.260	0.101	0.092	4.956	5.153
S66	0.060	0.100	0.096	0.118	0.099	0.141	0.117	0.092	0.228	0.236	0.258	0.255	0.102	0.093	5.026	5.226
S67	0.014	0.023	0.022	0.027	0.022	0.032	0.027	0.021	0.208	0.215	0.235	0.232	0.099	0.090	4.851	5.044
S68	0.059	0.099	0.095	0.117	0.097	0.140	0.116	0.091	0.225	0.233	0.254	0.251	0.104	0.095	5.097	5.300
S69	0.055	0.092	0.089	0.109	0.091	0.130	0.108	0.085	0.210	0.217	0.237	0.234	0.106	0.097	5.205	5.412
S70	0.060	0.100	0.096	0.118	0.099	0.141	0.117	0.092	0.233	0.241	0.263	0.260	0.107	0.098	5.277	5.487
S71	0.062	0.103	0.099	0.122	0.102	0.145	0.121	0.095	0.211	0.218	0.238	0.236	0.112	0.102	5.496	5.715
\$72	0.062	0.104	0.100	0.123	0.103	0.147	0.122	0.096	0.182	0.188	0.205	0.203	0.106	0.097	5,205	5.412
\$73	0.041	0.069	0.066	0.081	0.068	0.097	0.080	0.063	0.202	0.209	0.228	0.226	0.105	0.095	5 133	5 337
\$74	0.059	0.099	0.095	0.117	0.097	0.140	0.116	0.091	0.166	0.172	0.188	0.186	0.105	0.097	5 205	5.412
\$75	0.161	0.055	0.055	0.219	0.265	0.279	0.215	0.249	0.100	0.197	0.215	0.212	0.107	0.099	5 277	5.497
575	0.101	0.270	0.200	0.310	0.205	0.375	0.315	0.245	0.130	0.137	0.215	0.213	0.107	0.000	4.001	5.407
570	0.055	0.050	0.054	0.110	0.050	0.156	0.115	0.050	0.170	0.145	0.103	0.101	0.102	0.000	4.331 5.313	5.534
577	0.155	0.200	0.250	0.300	0.255	0.305	0.303	0.239	0.170	0.170	0.193	0.191	0.108	0.099	5.515	3.324
578	0.062	0.104	0.100	0.123	0.103	0.147	0.122	0.096	0.156	0.161	0.1/6	0.1/4	0.094	0.086	4.611	4.795
\$79	0.186	0.310	0.298	0.366	0.305	0.436	0.362	0.286	0.1/6	0.182	0.199	0.197	0.103	0.094	5.062	5.263
580	0.064	0.106	0.102	0.126	0.105	0.150	0.124	0.098	0.156	0.161	0.176	0.174	0.093	0.084	4.544	4.725
	0.012	0.019	0.019	0.023	0.019	0.027	0.022	0.018	0.230	0.238	0.259	0.257	0.103	0.094	5.062	5.263
S82	0.086	0.144	0.139	0.170	0.142	0.203	0.169	0.133	0.199	0.206	0.225	0.222	0.106	0.097	5.205	5.412
S83	1.042	1.740	1.675	2.055	1.711	2.449	2.032	1.605	0.205	0.212	0.231	0.229	0.109	0.099	5.349	5.562
S84	0.143	0.239	0.230	0.282	0.235	0.336	0.279	0.220	0.205	0.212	0.231	0.229	0.105	0.096	5.169	5.374
S85	0.709	1.184	1.140	1.398	1.165	1.666	1.383	1.092	0.187	0.194	0.212	0.209	0.107	0.097	5.241	5.449
S86	0.122	0.204	0.196	0.241	0.200	0.287	0.238	0.188	0.203	0.211	0.230	0.227	0.103	0.094	5.062	5.263
S87	0.103	0.171	0.165	0.202	0.169	0.241	0.200	0.158	0.173	0.179	0.196	0.194	0.106	0.097	5.205	5.412
S88	0.149	0.249	0.239	0.294	0.244	0.350	0.290	0.229	0.205	0.212	0.231	0.229	0.099	0.090	4.851	5.044
S89	0.222	0.371	0.357	0.438	0.365	0.522	0.433	0.342	0.176	0.182	0.199	0.197	0.105	0.095	5.133	5.337
S90	0.154	0.257	0.247	0.303	0.253	0.361	0.300	0.237	0.205	0.212	0.231	0.229	0.099	0.090	4.851	5.044
S91	0.088	0.147	0.141	0.173	0.144	0.207	0.171	0.135	0.172	0.178	0.194	0.192	0.099	0.090	4.851	5.044
S92	0.100	0.167	0.161	0.198	0.165	0.236	0.195	0.154	0.183	0.189	0.207	0.205	0.098	0.089	4.817	5.008
S93	0.075	0.126	0.121	0.149	0.124	0.177	0.147	0.116	0.170	0.176	0.193	0.191	0.096	0.087	4.714	4.901
S94	0.094	0.157	0.151	0.185	0.154	0.221	0.183	0.145	0.137	0.141	0.154	0.153	0.101	0.092	4.956	5.153
S95	0.200	0.334	0.321	0.394	0.328	0.470	0.390	0.308	0.142	0.147	0.160	0.158	0.094	0.086	4.611	4.795
S96	0.096	0.160	0.154	0.188	0.157	0.224	0.186	0.147	0.132	0.136	0.149	0.147	0.106	0.097	5.205	5.412
\$97	0.054	0.091	0.087	0.107	0.089	0.128	0.106	0.084	0.140	0.145	0.159	0.157	0.093	0.084	4.544	4.725
598	0.089	0.149	0.144	0.176	0.147	0.210	0.174	0.138	0.143	0.148	0.161	0.160	0.111	0.101	5.459	5.677
599	0.160	0.268	0.258	0.316	0.263	0.377	0.313	0.247	0.139	0.144	0.157	0.156	0.095	0.086	4.645	4,830
\$100	0.061	0.101	0.097	0.119	0.100	0.142	0.118	0.093	0.179	0.185	0.202	0.200	0.112	0.102	5,496	5.715
\$100	0.001	0.004	0.004	0.004	0.004	0.005	0.004	0.003	0.165	0.103	0.202	0.194	0.005	0.102	4.679	1 266
\$102	0.002	0.004	0.004	0.004	0.004	0.005	0.124	0.005	0.103	0.1/1	0.100	0.104	0.055	0.007	10 005	10 554
5102	0.009	0.112	0.111	0.130	0.113	0.102	0.134	0.100	0.6//	0.308	0.331	19610	0.383	0.349	10.800	15.334

	S103	1.211	2.021	1.946	2.386	1.987	2.844	2.360	1.864	0.856	0.886	0.966	0.956	0.376	0.343	18.466	19.201
	S104	0.086	0.143	0.138	0.169	0.141	0.201	0.167	0.132	0.890	0.921	1.005	0.995	0.389	0.354	19.080	19.839
	S105	0.389	0.649	0.624	0.766	0.638	0.913	0.757	0.598	0.896	0.927	1.012	1.002	0.373	0.340	18.331	19.060
1	S106	0.086	0.144	0.139	0.170	0.142	0.203	0.169	0.133	0.877	0.908	0.991	0.981	0.390	0.355	19.149	19.911
	S107	0.076	0.126	0.122	0.149	0.124	0.178	0.148	0.117	0.934	0.967	1.055	1.044	0.377	0.344	18.534	19.271
1	S108	0.084	0.141	0.135	0.166	0.138	0.198	0.164	0.130	0.874	0.905	0.987	0.977	0.390	0.355	19.149	19.911
1	S109	0.082	0.137	0.132	0.162	0.135	0.193	0.160	0.126	0.925	0.957	1.044	1.033	0.384	0.350	18.874	19.625
	S110	0.062	0.103	0.099	0.122	0.102	0.145	0.121	0.095	0.887	0.918	1.001	0.991	0.390	0.355	19.149	19.911
1	S111	0.085	0.142	0.137	0.168	0.140	0.200	0.166	0.131	0.931	0.963	1.051	1.041	0.390	0.355	19.149	19.911
	S112	0.083	0.138	0.133	0.163	0.136	0.194	0.161	0.127	0.934	0.967	1.055	1.044	0.389	0.354	19.080	19.839
1	S113	0.009	0.015	0.014	0.017	0.014	0.021	0.017	0.014	0.925	0.957	1.044	1.033	0.393	0.358	19.287	20.055
	S114	0.083	0.138	0.133	0.163	0.136	0.194	0.161	0.127	0.990	1.024	1.118	1.106	0.387	0.353	19.012	19.768
1	S115	0.078	0.131	0.126	0.154	0.129	0.184	0.153	0.121	0.934	0.967	1.055	1.044	0.393	0.358	19.287	20.055
	S116	0.080	0.133	0.128	0.158	0.131	0.188	0.156	0.123	1.013	1.048	1.144	1.132	0.382	0.348	18.738	19.483
	S117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.980	1.014	1.106	1.095	0.391	0.357	19.218	19.983
1	S118	0.071	0.118	0.114	0.140	0.116	0.167	0.138	0.109	0.963	0.997	1.088	1.077	0.375	0.341	18.398	19.130
	S119	0.324	0.541	0.521	0.639	0.532	0.761	0.632	0.499	1.003	1.038	1.132	1.121	0.390	0.355	19.149	19.911
1	S120	0.061	0.102	0.098	0.120	0.100	0.143	0.119	0.094	0.781	0.808	0.882	0.873	0.361	0.329	17.729	18.434
	S121	0.058	0.097	0.093	0.115	0.095	0.137	0.113	0.090	0.970	1.004	1.095	1.084	0.377	0.344	18.534	19.271
1	S122	0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.114	0.118	0.129	0.128	1.379	1.257	67.710	70.403
	S123	0.006	0.010	0.010	0.012	0.010	0.015	0.012	0.010	0.071	0.074	0.080	0.080	1.361	1.240	66.805	69.463
1	S124	0.038	0.063	0.061	0.075	0.062	0.089	0.074	0.058	0.102	0.106	0.116	0.114	1.476	1.345	72.458	75.340
	S125	0.015	0.025	0.024	0.030	0.025	0.035	0.029	0.023	0.000	0.000	0.000	0.000	1.379	1.257	67.710	70.403
1	S126	0.017	0.028	0.027	0.033	0.027	0.039	0.033	0.026	0.106	0.109	0.119	0.118	1.567	1.428	76.952	80.013
	S127	0.017	0.028	0.027	0.033	0.027	0.039	0.032	0.026	0.001	0.001	0.002	0.002	1.490	1.357	73.130	76.039
	S128	0.002	0.004	0.004	0.004	0.004	0.005	0.004	0.003	0.089	0.092	0.101	0.099	1.653	1.506	81.154	84.383
1	S129	0.044	0.073	0.070	0.086	0.072	0.103	0.085	0.067	0.001	0.001	0.001	0.001	1.616	1.472	79.319	82.475
	S130	0.012	0.020	0.019	0.023	0.019	0.028	0.023	0.018	0.006	0.006	0.007	0.006	1.708	1.556	83.874	87.210
	S131	0.054	0.090	0.086	0.106	0.088	0.126	0.105	0.083	0.000	0.000	0.000	0.000	1.735	1.581	85.177	88.566
1	S132	0.002	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.067	0.070	0.076	0.075	1.747	1.591	85.760	89.172
	S133	0.024	0.041	0.039	0.048	0.040	0.058	0.048	0.038	0.006	0.006	0.007	0.007	1.714	1.562	84.162	87.511
1	S134	0.006	0.010	0.010	0.012	0.010	0.014	0.012	0.009	0.074	0.077	0.084	0.083	1.750	1.594	85.906	89.324
	S135	0.009	0.015	0.014	0.017	0.014	0.021	0.017	0.013	0.001	0.001	0.001	0.001	1.636	1.490	80.305	83.500
1	S136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.077	0.084	0.083	1.633	1.488	80.164	83.353
	S137	0.014	0.023	0.022	0.027	0.022	0.032	0.026	0.021	0.003	0.003	0.003	0.003	1.579	1.438	77.505	80.589
1	S138	0.012	0.020	0.019	0.024	0.020	0.028	0.024	0.019	0.000	0.000	0.000	0.000	1.465	1.335	71.922	74.784
	S139	0.015	0.025	0.024	0.029	0.024	0.035	0.029	0.023	0.001	0.001	0.002	0.002	1.630	1.485	80.023	83.206
1	S140	0.004	0.006	0.006	0.007	0.006	0.008	0.007	0.006	0.560	0.579	0.632	0.626	1.414	1.288	69.406	72.167
	S141	0.018	0.031	0.030	0.036	0.030	0.043	0.036	0.028	0.000	0.000	0.001	0.000	1.288	1.174	63.248	65.764
1	S142	0.035	0.058	0.056	0.069	0.057	0.082	0.068	0.054	0.116	0.120	0.130	0.129	0.099	0.090	4.851	5.044
	S143	0.009	0.014	0.014	0.017	0.014	0.020	0.017	0.013	0.003	0.003	0.004	0.004	0.107	0.097	5.241	5.449
1	S144	0.002	0.003	0.003	0.004	0.003	0.005	0.004	0.003	0.059	0.061	0.067	0.066	0.085	0.077	4.150	4.315
	S145	0.029	0.048	0.047	0.057	0.048	0.068	0.057	0.045	0.000	0.000	0.000	0.000	0.075	0.068	3.682	3.829
1	S146	0.003	0.004	0.004	0.005	0.004	0.006	0.005	0.004	0.049	0.051	0.056	0.055	0.051	0.047	2.522	2.622
1	S147	0.068	0.114	0.109	0.134	0.112	0.160	0.133	0.105	0.019	0.019	0.021	0.021	0.071	0.065	3.503	3.643
1	S148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.034	0.037	0.037	0.044	0.040	2.137	2.223
1	S149	0.083	0.139	0.134	0.164	0.137	0.196	0.162	0.128	0.052	0.054	0.059	0.058	0.041	0.038	2.024	2.104
	S150	0.028	0.047	0.045	0.055	0.046	0.066	0.055	0.043	0.034	0.036	0.039	0.038	0.027	0.024	1.315	1.368
1	S151	0.107	0.178	0.171	0.210	0.175	0.250	0.208	0.164	0.048	0.050	0.054	0.054	0.023	0.021	1.107	1.151
	S152	0.003	0.005	0.005	0.006	0.005	0.007	0.006	0.004	0.004	0.004	0.005	0.005	0.019	0.017	0.917	0.954
1	S153	0.078	0.129	0.125	0.153	0.127	0.182	0.151	0.119	0.007	0.008	0.008	0.008	0.020	0.018	0.979	1.018
	S154	0.002	0.003	0.003	0.004	0.003	0.005	0.004	0.003	0.137	0.142	0.155	0.154	0.020	0.018	0.994	1.034
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S155	0.044	0.074	0.071	0.087	0.073	0.104	0.086	0.068	0.021	0.022	0.024	0.023	0.019	0.017	0.932	0.970
S156	0.045	0.076	0.073	0.090	0.075	0.107	0.089	0.070	0.175	0.181	0.198	0.196	0.045	0.041	2.207	2.295
S157	0.048	0.080	0.077	0.095	0.079	0.113	0.094	0.074	0.094	0.097	0.106	0.105	0.032	0.029	1.580	1.643
S158	0.186	0.311	0.299	0.367	0.306	0.438	0.363	0.287	0.578	0.598	0.653	0.646	0.004	0.004	0.195	0.202
S159	0.039	0.065	0.063	0.077	0.064	0.092	0.076	0.060	0.095	0.098	0.107	0.106	0.041	0.038	2.024	2.104
S160	0.022	0.037	0.036	0.044	0.036	0.052	0.043	0.034	0.059	0.061	0.067	0.066	0.082	0.075	4.023	4.183
S161	0.002	0.004	0.004	0.004	0.004	0.005	0.004	0.003	0.001	0.001	0.001	0.001	0.079	0.072	3.897	4.052
S162	0.153	0.256	0.247	0.303	0.252	0.361	0.299	0.236	0.004	0.004	0.004	0.004	0.071	0.065	3.503	3.643
S163	0.192	0.321	0.309	0.379	0.315	0.451	0.375	0.296	0.200	0.207	0.226	0.223	0.073	0.066	3.562	3.704
S164	0.083	0.138	0.133	0.163	0.136	0.194	0.161	0.127	0.020	0.021	0.023	0.022	0.069	0.063	3.386	3.521
S165	0.149	0.248	0.239	0.293	0.244	0.349	0.290	0.229	0.191	0.198	0.216	0.213	0.061	0.056	2.992	3.112
S166	0.049	0.082	0.079	0.097	0.081	0.116	0.096	0.076	0.026	0.027	0.029	0.029	0.045	0.041	2.231	2.319
S167	0.178	0.297	0.286	0.351	0.292	0.418	0.347	0.274	0.286	0.296	0.323	0.320	0.041	0.037	2.001	2.081
S168	0.049	0.082	0.079	0.097	0.081	0.116	0.096	0.076	0.033	0.034	0.037	0.037	0.038	0.035	1.870	1.944
S169	0.328	0.548	0.528	0.647	0.539	0.771	0.640	0.505	0.356	0.368	0.402	0.398	0.017	0.015	0.829	0.862
S170	0.094	0.157	0.151	0.185	0.154	0.220	0.183	0.144	0.047	0.049	0.054	0.053	0.017	0.015	0.829	0.862
S171	0.353	0.590	0.568	0.696	0.580	0.830	0.689	0.544	0.313	0.324	0.354	0.350	0.014	0.013	0.692	0.719
S172	0.201	0.336	0.323	0.396	0.330	0.472	0.392	0.310	0.265	0.275	0.300	0.296	0.010	0.009	0.509	0.529
S173	0.330	0.550	0.530	0.650	0.541	0.775	0.643	0.508	0.213	0.221	0.241	0.238	0.009	0.008	0.423	0.440
S174	0.163	0.271	0.261	0.320	0.267	0.382	0.317	0.250	0.001	0.001	0.001	0.001	0.009	0.008	0.444	0.462
S175	0.254	0.424	0.408	0.500	0.417	0.596	0.495	0.391	0.338	0.350	0.382	0.378	0.013	0.012	0.653	0.679
S176	0.230	0.384	0.370	0.454	0.378	0.541	0.449	0.355	0.000	0.000	0.001	0.000	0.019	0.017	0.917	0.954
S177	0.245	0.409	0.394	0.483	0.402	0.575	0.478	0.377	0.342	0.354	0.386	0.382	0.028	0.025	1.370	1.425
S178	0.251	0.419	0.404	0.495	0.413	0.590	0.490	0.387	0.022	0.022	0.024	0.024	0.046	0.042	2.254	2.344
S179	0.238	0.397	0.382	0.468	0.390	0.558	0.463	0.366	0.306	0.317	0.346	0.342	0.040	0.037	1.979	2.058
S180	0.185	0.308	0.297	0.364	0.303	0.433	0.360	0.284	0.018	0.019	0.021	0.020	0.063	0.058	3.102	3.226
S181	0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.167	0.173	0.189	0.187	0.060	0.055	2.965	3.083
S182	0.023	0.039	0.038	0.046	0.038	0.055	0.046	0.036	0.137	0.141	0.154	0.153	0.091	0.083	4.477	4.655
S183	0.008	0.014	0.013	0.016	0.013	0.019	0.016	0.013	0.065	0.067	0.074	0.073	0.095	0.086	4.645	4.830
S184	0.025	0.042	0.040	0.049	0.041	0.059	0.049	0.038	0.114	0.118	0.129	0.128	0.084	0.076	4.118	4.282
S185	0.005	0.009	0.008	0.010	0.009	0.012	0.010	0.008	0.049	0.051	0.056	0.055	0.091	0.083	4.477	4.655
S186	0.025	0.042	0.041	0.050	0.042	0.060	0.050	0.039	0.120	0.124	0.136	0.134	0.074	0.068	3.652	3.798
S187	0.002	0.004	0.004	0.005	0.004	0.006	0.005	0.004	0.025	0.026	0.028	0.028	0.076	0.069	3.743	3.892
S188	0.026	0.044	0.042	0.052	0.043	0.062	0.051	0.040	0.107	0.110	0.120	0.119	0.063	0.058	3.102	3.226
S189	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.024	0.025	0.027	0.027	0.065	0.059	3.186	3.313
S190	0.012	0.021	0.020	0.025	0.020	0.029	0.024	0.019	0.104	0.108	0.118	0.117	0.058	0.053	2.831	2.944
S191	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.048	0.049	0.054	0.053	0.059	0.054	2.884	2.999
S192	0.012	0.019	0.019	0.023	0.019	0.027	0.023	0.018	0.055	0.056	0.062	0.061	0.053	0.048	2.598	2.701
S193	0.003	0.005	0.005	0.006	0.005	0.007	0.006	0.004	0.048	0.049	0.054	0.053	0.052	0.048	2.572	2.675
S194	0.012	0.021	0.020	0.025	0.020	0.029	0.024	0.019	0.018	0.018	0.020	0.020	0.053	0.049	2.623	2.727
S195	0.003	0.005	0.005	0.006	0.005	0.007	0.006	0.005	0.050	0.052	0.056	0.056	0.054	0.049	2.649	2.754
S196	0.012	0.020	0.019	0.023	0.020	0.028	0.023	0.018	0.005	0.005	0.006	0.006	0.060	0.055	2.938	3.055
S197	0.005	0.008	0.008	0.009	0.008	0.011	0.009	0.007	0.044	0.046	0.050	0.049	0.058	0.053	2.831	2.944
S198	0.019	0.032	0.031	0.038	0.031	0.045	0.037	0.029	0.016	0.017	0.018	0.018	0.075	0.068	3.682	3.829
S199	0.005	0.008	0.008	0.010	0.008	0.012	0.010	0.008	0.038	0.040	0.043	0.043	0.072	0.066	3.533	3.673
S200	0.021	0.035	0.034	0.042	0.035	0.050	0.041	0.033	0.182	0.188	0.205	0.203	0.084	0.076	4.118	4.282
S201	0.018	0.031	0.030	0.036	0.030	0.043	0.036	0.028	0.068	0.070	0.076	0.076	0.083	0.076	4.086	4.249
S202	0.039	0.066	0.063	0.078	0.065	0.092	0.077	0.061	0.214	0.222	0.242	0.239	0.111	0.101	5.459	5.677
S203	0.043	0.073	0.070	0.086	0.071	0.102	0.085	0.067	0.144	0.149	0.163	0.161	0.108	0.099	5.313	5.524
S204	0.052	0.087	0.084	0.103	0.086	0.123	0.102	0.080	0.213	0.220	0.240	0.238	0.108	0.099	5.313	5.524
S205	0.035	0.058	0.055	0.068	0.057	0.081	0.067	0.053	0.173	0.179	0.196	0.194	0.102	0.093	4.991	5.190
S206	0.056	0.093	0.090	0.110	0.092	0.131	0.109	0.086	0.205	0.212	0.231	0.229	0.092	0.084	4.511	4.690

S207	0.025	0.042	0.040	0.049	0.041	0.059	0.049	0.038	0.099	0.103	0.112	0.111	0.095	0.087	4.679	4.866
S208	0.066	0.111	0.107	0.131	0.109	0.156	0.129	0.102	0.192	0.198	0.216	0.214	0.093	0.084	4.544	4.725
S209	0.036	0.060	0.058	0.071	0.059	0.084	0.070	0.055	0.091	0.094	0.103	0.102	0.089	0.081	4.378	4.552
S210	0.054	0.090	0.087	0.106	0.089	0.127	0.105	0.083	0.211	0.218	0.238	0.236	0.085	0.078	4.182	4.348
S211	0.011	0.018	0.017	0.021	0.017	0.025	0.021	0.016	0.087	0.090	0.098	0.097	0.082	0.075	4.023	4.183
S212	0.042	0.071	0.068	0.084	0.070	0.100	0.083	0.065	0.184	0.191	0.208	0.206	0.079	0.072	3.897	4.052
S213	0.022	0.037	0.036	0.044	0.037	0.052	0.043	0.034	0.093	0.096	0.105	0.104	0.074	0.068	3.652	3.798
S214	0.046	0.076	0.073	0.090	0.075	0.107	0.089	0.070	0.106	0.109	0.119	0.118	0.077	0.071	3.804	3.956
S215	0.030	0.050	0.048	0.059	0.049	0.070	0.058	0.046	0.077	0.079	0.087	0.086	0.074	0.067	3.622	3.766
S216	0.054	0.090	0.087	0.106	0.089	0.127	0.105	0.083	0.100	0.104	0.113	0.112	0.084	0.076	4.118	4.282
S217	0.028	0.047	0.045	0.055	0.046	0.065	0.054	0.043	0.063	0.066	0.072	0.071	0.078	0.071	3.835	3.988
S218	0.046	0.076	0.073	0.090	0.075	0.107	0.089	0.070	0.090	0.093	0.102	0.101	0.086	0.079	4.247	4.416
S219	0.027	0.045	0.043	0.053	0.044	0.064	0.053	0.042	0.037	0.038	0.042	0.041	0.084	0.076	4.118	4.282
S220	0.002	0.004	0.004	0.005	0.004	0.005	0.005	0.004	0.176	0.182	0.199	0.197	0.111	0.101	5.459	5.677
S221	0.028	0.047	0.045	0.056	0.046	0.066	0.055	0.044	0.085	0.088	0.096	0.095	0.088	0.081	4.345	4.518
S222	0.030	0.049	0.048	0.058	0.049	0.069	0.058	0.046	0.103	0.107	0.116	0.115	0.079	0.072	3.897	4.052
S223	0.018	0.030	0.029	0.036	0.030	0.042	0.035	0.028	0.135	0.140	0.153	0.151	0.111	0.101	5.459	5.677
S224	0.046	0.076	0.073	0.090	0.075	0.107	0.089	0.070	0.115	0.119	0.130	0.129	0.078	0.071	3.835	3.988
S225	0.017	0.028	0.027	0.034	0.028	0.040	0.033	0.026	0.113	0.117	0.128	0.127	0.107	0.097	5.241	5.449
S226	0.046	0.076	0.073	0.090	0.075	0.107	0.089	0.070	0.122	0.126	0.138	0.136	0.061	0.056	2.992	3.112
S227	0.012	0.020	0.019	0.023	0.020	0.028	0.023	0.018	0.112	0.116	0.127	0.125	0.087	0.079	4.279	4.450
S228	0.045	0.074	0.072	0.088	0.073	0.105	0.087	0.069	0.124	0.128	0.140	0.139	0.061	0.056	2.992	3.112
S229	0.010	0.016	0.015	0.019	0.016	0.022	0.019	0.015	0.119	0.123	0.134	0.133	0.079	0.072	3.897	4.052
S230	0.025	0.041	0.040	0.049	0.040	0.058	0.048	0.038	0.122	0.126	0.138	0.136	0.052	0.047	2.547	2.648
S231	0.006	0.010	0.010	0.012	0.010	0.015	0.012	0.010	0.152	0.157	0.171	0.170	0.077	0.070	3.774	3.924
S232	0.011	0.018	0.017	0.021	0.018	0.025	0.021	0.017	0.206	0.213	0.232	0.230	0.051	0.047	2.522	2.622
S233	0.010	0.016	0.016	0.019	0.016	0.023	0.019	0.015	0.184	0.191	0.208	0.206	0.071	0.065	3.503	3.643
S234	0.024	0.040	0.039	0.048	0.040	0.057	0.047	0.037	0.302	0.313	0.341	0.338	0.051	0.046	2.497	2.596
S235	0.010	0.017	0.017	0.020	0.017	0.024	0.020	0.016	0.142	0.147	0.160	0.158	0.074	0.067	3.622	3.766
S236	0.022	0.036	0.035	0.042	0.035	0.051	0.042	0.033	0.334	0.346	0.377	0.374	0.053	0.049	2.623	2.727
S237	0.011	0.018	0.017	0.021	0.017	0.025	0.021	0.016	0.106	0.109	0.119	0.118	0.079	0.072	3.866	4.020
S238	0.019	0.032	0.031	0.038	0.032	0.046	0.038	0.030	0.327	0.338	0.369	0.365	0.067	0.061	3.271	3.401
S239	0.013	0.021	0.020	0.025	0.021	0.030	0.025	0.020	0.107	0.110	0.120	0.119	0.102	0.093	5.026	5.226
S240	0.015	0.025	0.024	0.029	0.024	0.035	0.029	0.023	0.231	0.239	0.260	0.258	0.083	0.076	4.086	4.249
SN RATIC	-7.766	-7.320	-7.353	-7.176	-7.335	-7.023	-7.185	-7.390	-6.410	-6.380	-6.305	-6.314	-2.974	-3.080	0.553	0.587

# AVERAGE S/N FOR DIFFERENT LEVELS OF VARIABLES

	LEVEL 1	LEVEL 2	GAIN
x1	-7.318	-3.790	-3.528
x2	-6.878	-4.231	-2.647
х3	-4.316	-6.793	2.477
x4	-6.036	-5.073	-0.963
x5	-5.115	-5.994	0.878
хб	-5.164	-5.945	0.781
х7	-6.042	-5.067	-0.975
x8	-5.597	-5.512	-0.085
x9	-5.603	-5.506	-0.097
x10	-5.592	-5.516	-0.076
x11	-4.657	-5.528	0.871
x12	-5.597	-5.512	-0.085
x13	-5.610	-5.499	-0.111
	1		

## MEAN AND STANDARD DEVIATION

	Z3	Z5	Z6	Z11
S1	-0.611	-1.044	-0.768	-0.347
\$2	-0.598	-0.797	-0.791	-0.465
<b>S</b> 3	-0.625	-0.857	-0.772	-0.331
<b>S</b> 4	-0.627	-0.979	-0.604	-0.466
<b>S</b> 5	-0.631	-0.818	-0.727	-0.301
<b>S6</b>	-0.620	-0.413	-0.532	-0.476
\$7	-0.636	-0.824	-0.647	-0.313
<u>\$8</u>	-0.642	-0.583	-0.583	-0.476
<u>\$9</u>	-0.647	-0.859	-0.621	-0.320
S10	-0.660	-0.728	-0.593	-0.470
S11	-0.642	-0.609	-0.606	-0.333
S12	-0.638	-0.626	-0.600	-0.314
S13	-0.642	-0.476	-0.610	-0.336
S14	-0.647	-0.519	-0.602	-0.322
\$15	-0.629	-0.232	-0.600	-0.335
\$16	-0.649	-0.519	-0.627	-0.324
\$17	-0.605	-0,308	-0.653	-0,336
\$18	-0.634	-0,545	-0.710	-0,325
\$19	-0.600	-0.631	-0.670	-0.377
\$20	-0.634	-0.749	-0.804	-0.340
\$21	-0.642	-0.850	-0.712	2,450
\$22	-0.651	-0 579	-0.615	-0.329
\$22	0.640	0 702	0.693	2 602
525 \$24	-0.645	-0.732	-0.033	-0.327
\$25 \$25	-0.634	-0.779	-0.708	2.698
\$26	-0.642	-0.424	-0.504	-0.321
\$27	-0.620	-0.805	-0.598	2.847
S28	-0.638	-0.510	-0.525	-0.318
S29	-0.620	-0.833	-0.574	2.895
S30	-0.620	-0.620	-0.489	-0.312
S31	-0.618	-0.676	-0.525	2.756
\$32	-0.611	-0.616	-0.525	2.680
S33	-0.627	-0.422	-0.502	2.660
\$34	-0.605	-0.437	-0.527	2.564
S35	-0.642	-0.260	-0.517	2.640
S36	-0.600	-0.424	-0.510	2.662
\$37	- <b>0.658</b>	-0.301	-0.598	2.604
\$38	-0.607	-0.476	-0.598	2.652
\$39	-0.660	-0.908	-0.729	2.291
S40	-0.609	-0.755	-0.732	2.493
S41	1.221	0.603	1.086	-0.333
S42	1.210	0.625	1.131	-0.473
\$43	1.230	0.733	1.101	-0.324
544	1.206	1.213	1.099	-0.465
545	1.232	0.750	1.160	-0.301
S46	1.212	2.180	1.162	-0.453

S47	1.232	0.754	1.184	-0.308
S48	1.223	1.032	1.269	-0.442
S49	1.232	0.703	1.203	-0.303
S50	1.232	0.899	1.258	-0.443
S51	1.230	1.120	1.275	-0.316
S52	1.237	0.823	1.190	-0.310
S53	1.228	1.170	1.273	-0.327
S54	1.237	1.148	1.264	-0.318
S55	1.219	1.400	1.228	-0.330
\$56	1.234	0.911	1.235	-0.322
S57	1.208	1.340	1.173	-0.333
S58	1.232	0.726	1.148	-0.323
S59	1.186	0.970	1.060	-0.379
S60	1.212	0.896	1.050	-0.329
S61	1.212	0.896	1.050	-0.329
S62	-0.611	-1.044	-0.768	-0.347
\$63	-0.598	-0.797	-0.791	-0.465
S64	-0.625	-0.857	-0.772	-0.331
S65	-0.627	-0.979	-0.604	-0.466
\$66	-0.631	-0.818	-0.727	-0.301
S67	-0.620	-0.413	-0.532	-0.476
568	-0.636	-0.824	-0.647	-0.313
509	-0.642	-0.583	-0.583	-0.476
570	-0.647	-0.859	-0.621	-0.520
5/1	-0.660	-0.728	-0.593	-0.470
\$72	-0.642	-0.609	-0.606	-0.333
\$73	-0.638	-0.626	-0.600	-0.314
S74	-0.642	-0.476	-0.610	-0.336
\$75	-0.647	-0.519	-0.602	-0.322
S76	-0.629	-0.232	-0.600	-0.335
S77	-0.649	-0.519	-0.627	-0.324
S78	-0.605	-0.308	-0.653	-0.336
S79	-0.634	-0.545	-0.710	-0.325
S80	-0.600	-0.631	-0.670	-0.377
S81	-0.634	-0.749	-0.804	-0.340
S82	-0.642	-0.850	-0.712	2.450
S83	-0.651	-0.579	-0.615	-0.329
S84	-0.640	-0.792	-0.693	2.602
S85	-0.645	-0.570	-0.532	-0.327
S86	-0.634	-0.779	-0.708	2.698
S87	-0.642	-0.424	-0.504	-0.321
S88	-0.620	-0.805	-0.598	2.847
S89	-0.638	-0.510	-0.525	-0.318
S90	-0.620	-0.833	-0.574	2.895
S91	-0.620	-0.620	-0.489	-0.312
S92	-0.618	-0.676	-0.525	2.756
\$93	-0.611	-0.616	-0.525	2.680
S94	-0.627	-0.422	-0.502	2.660
	1		1	

\$95	-0.605	-0.437	-0 527	2 564
596	-0.642	-0.457	-0.527	2.504
597	-0.600	-0.424	-0.510	2.640
598	-0.658	-0.301	-0.510	2.604
992	-0.607	-0.476	-0.598	2.004
\$100	-0.660	-0.908	-0.729	2.002
\$101	-0.609	-0.755	-0.723	2.2.51
\$102	1 221	0.603	1.086	-0 333
\$103	1.210	0.625	1.131	-0.473
\$104	1.210	0.733	1 101	-0 324
\$105	1 206	1 213	1.101	-0.465
\$106	1.232	0.750	1.160	-0.301
\$107	1.212	2,180	1.162	-0.453
\$108	1.232	0.754	1.184	-0.308
\$109	1.223	1.032	1.269	-0.442
S110	1.232	0.703	1.203	-0.303
S111	1.232	0.899	1.258	-0.443
S112	1.230	1,120	1.275	-0.316
\$113	1.237	0.823	1,190	-0.310
S114	1.228	1,170	1.273	-0.327
S115	1.237	1.148	1.264	-0.318
S116	1.219	1.400	1.228	-0.330
\$117	1.234	0.911	1.235	-0.322
S118	1.208	1.340	1.173	-0.333
\$119	1,232	0.726	1.148	-0.323
\$120	1 186	0.970	1.140	-0.379
S120	1.212	0.896	1.050	-0.329
\$122	2.317	1.605	2.164	-0.401
\$123	2.302	2.567	2.242	-0.492
\$124	2.397	1.945	2.308	-0.389
S125	2.317	2.565	2.385	-0.493
S126	2.470	1.969	2.510	-0.378
\$127	2.408	2.576	2.587	-0.491
S128	2.537	1.969	2.606	-0.375
S129	2.508	2.604	2.523	-0.476
S130	2.579	1.997	2.646	-0.375
S131	2.599	2.531	2.612	-0.336
S132	2.608	2.611	2.742	-0.389
S133	2.583	2.553	2.676	-0.345
S134	2.610	2.847	2.750	-0.393
\$135	2.523	2.738	2.168	-0.347
\$136	2.521	2.820	2.574	-0.397
\$137	2.479	2.785	2.638	-0.350
\$138	2.388	2.539	2.419	-0.406
S139	2.519	2.634	2.425	-0.356
S140	2.346	2.113	2.142	-0.423
S141	2.239	2.029	2.132	-0.350
S142	-0.620	-0.215	-0.449	-0.362

S143	-0.645	-0.097	-0.574	-0.476
S144	-0.574	-0.349	-0.447	-0.356
S145	-0.540	0.067	-0.513	-0.494
S146	-0.447	-0.096	-0.215	-0.346
S147	-0.527	0.507	-0.262	-0.498
S148	-0.412	-0.092	-0.181	-0.344
S149	-0.401	0.448	-0.115	-0.505
S150	-0.323	-0.124	-0.077	-0.337
S151	-0.296	0.242	0.012	-0.471
S152	-0.270	0.435	0.000	-0.340
S153	-0.279	0.240	0.034	-0.343
S154	-0.281	0.647	0.032	-0.346
S155	-0.272	0.474	-0.017	-0.349
S156	-0.418	0.786	0.049	-0.354
S157	-0.354	0.616	0.008	-0.354
S158	0.124	1.452	0.625	0.059
S159	-0.401	0.629	-0.070	-0.349
S160	-0.565	-0.047	-0.411	-0.393
S161	-0.556	0.380	-0.549	0.658
S162	-0.527	-0.609	-0.598	-0.325
S163	-0.531	-0.137	-0.519	-0.461
S164	-0.518	-0.531	-0.523	-0.328
S165	-0.487	0.242	-0.466	-0.461
S166	-0.421	-0.387	-0.255	-0.316
S167	-0.398	0.444	-0.330	-0.461
S168	-0.385	-0.370	-0.313	-0.312
S169	-0.256	0.304	-0.132	-0.464
S170	-0.256	-0.241	-0.104	-0.303
S171	-0.234	0.196	0.010	-0.452
S172	-0.201	0.489	-0.009	-0.314
\$173	-0.183	0.097	0.004	-0.396
S174	-0.188	0.513	0.036	-0.333
S175	-0.228	0.110	-0.039	-0.315
S176	-0.270	0.625	-0.056	-0.331
S177	-0.330	0.194	-0.092	-0.327
S178	-0.423	0.534	-0.213	-0.339
S179	-0.396	0.438	-0.251	-0.326
S180	-0.496	0.147	-0.455	-0.361
S181	-0.485	-0.349	-0.400	-0.338
S182	-0.596	-0.911	-0.727	-0.382
S183	-0.607	-0.796	-0.721	-0.451
S184	-0.571	-0.797	-0.642	-0.375
S185	-0.596	-0.555	-0.664	-0.457
S186	-0.538	-0.792	-0.630	-0.358
S187	-0.545	-0.480	-0.600	-0.448
S188	-0.496	-0.781	-0.564	-0.353
S189	-0.503	-0.405	-0.538	-0.471
S190	-0.474	-0.768	-0.595	-0.350

S191	-0.478	-0.620	-0.493	-0.475
S192	-0.454	-0.573	-0.470	-0.355
S193	-0.452	-0.536	-0.564	-0.357
S194	-0.456	-0.467	-0.489	-0.362
S195	-0.458	-0.532	-0.551	-0.356
S196	-0.483	-0.443	-0.523	-0.366
S197	-0.474	-0.529	-0.581	-0.364
S198	-0.540	-0.480	-0.630	-0.373
S199	-0.529	-0.484	-0.649	-0.364
S200	-0.571	-0.657	-0.721	-0.405
S201	-0.569	-0.790	-0.691	-0.367
S202	-0.658	-1.061	-0.829	-0.421
\$203	-0.649	-0.863	-0.783	-0.482
\$204	-0.649	-1.081	-0.838	-0.421
\$205	-0.629	-0.829	-0.819	-0.490
\$206	-0.598	-0.788	-0.778	-0 /12
\$200	-0.609	-0.745	-0.821	-0.486
\$207	0.600	-0.745	0.750	-0.400
5200	-0.000	-0.945	-0.733	-0.403
5209	-0.569	-0.747	-0.096	-0.404
5210	-0.576	-0.975	-0.678	-0.403
5211	-0.565	-0.758	-0.676	-0.496
5212	-0.556	-0.898	-0.681	-0.407
S213	-0.538	-0.747	-0.668	-0.406
\$214	-0.549	-0.676	-0.670	-0.410
S215	-0.536	-0.906	-0.664	-0.407
S216	-0.571	-0.689	-0.670	-0.413
S217	-0.551	-0.876	-0.700	-0.408
S218	-0.580	-0.755	-0.689	-0.418
S219	-0.571	-0.697	-0.817	-0.410
S220	-0.658	-0.844	-0.632	-0.429
S221	-0.587	-0.820	-0.844	-0.428
S222	-0.556	-0.949	-0.749	-0.410
S223	-0.658	-0.932	-0.759	-0.500
S224	-0.551	-0.893	-0.736	-0.389
S225	-0.645	-0.812	-0.644	-0.485
S226	-0.487	-0.835	-0.666	-0.387
\$227	-0.583	-0.721	-0.613	-0.499
S228	-0.487	-0.850	-0.608	-0.384
S229	-0.556	-0.773	-0.578	-0.494
S230	-0.449	-0.846	-0.581	-0.380
\$231	-0.547	-0.839	-0.561	-0.425
S232	-0.447	-0.603	-0.581	-0.379
\$233	-0.527	-0.861	-0.559	-0.387
\$234	-0.445	-0.592	-0.547	-0.382
\$235	-0.536	-0.730	-0.578	-0.389
\$236	-0.456	-0.553	-0.555	-0.387
\$237	-0.554	-0.717	-0.587	-0.403
\$238	-0 509	-0.613	-0.604	-0 393
0200	0.000	0.010	0.004	0.000

S239	-0.631	-0.758	-0.655	-0.394
S240	-0.569	-0.928	-0.672	-0.314
AVERAGE	0.0	0.0	0.0	0.0
ST DEV	1.0	1.0	1.0	1.0

### **CORRELATION MATRIX**

	Z3	Z5	Z6	Z11
Z3	1	0.929449	0.991367	-0.23741
Z5	0.929449	1	0.955521	-0.23139
Z6	0.991367	0.955521	1	-0.2261
Z11	-0.23741	-0.23139	-0.2261	1

#### MATRIX INVERSE

	3	5	6	11
3	75.449	15.691	-89.496	1.309
5	15.691	14.793	-29.587	0.459
6	-89.496	-29.587	117.657	-1.492
11	1.309	0.459	-1.492	1.080