

A STUDY ON THE RELATIONSHIP BETWEEN SHARES AND INFLATION, EXCHANGE RATES AND INTEREST RATES WITH THE USE OF CANONICAL CORRELATION ANALYSIS

The present study explores the relationship between a group of shares exchanged on the Istanbul Stock Exchange and inflation, exchange rate and interest rates. In particular, the study aims to uncover the functional and canonical relations between these variables for the purpose of obtaining findings that would inform investors and speculators in their decision-making.

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I. Introduction

The Istanbul Stock Exchange (ISE) was established in 1986. The ISE is the only securities exchange in Turkey established to provide trading in equities, bonds and bills, revenue-sharing certificates, private sector bonds, foreign securities and real estate certificates as well as international securities. (Istanbul Stock Exchange, <http://www.ise.org/about/organize.htm>)

The ISE is a dynamic and growing establishment with an increasing number of participating companies, state-of-the-art technology and strong foreign participation. The ISE provides a transparent and fair trading environment not only for domestic participants, but also for foreign issuers and investors. (Istanbul Stock Exchange, <http://www.ise.org/index.htm>)

Shares are among the major tools of investment in Turkey. Of course, there are other investment tools such as earning interest and investing in foreign currency. The question of where to invest in order to get the most profit has always been around but with no clear answers. This is so because there are various factors that may influence the financial markets in a positive or negative way. Moreover, the relationship between these factors is either unpredictable or difficult to explain because of its complex and chaotic nature. Particularly in an increasingly globalizing world it can be taken for granted that the already chaotic relations between these factors have become even more complex.

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This study focuses on the analysis of the relationship between a group of shares exchanged on the ISE and the USD, EURO, interest rates and inflation. Specifically, it addresses the following questions:

Do changes in the exchange rates, interest rates and inflation have an effect on the value of shares? If so, how and to what extent?

If we can find a strong and reliable relationship between these variables, it may help investors to make more informed decisions.

However, the literature provides only a partial answer to these questions. The present study tests these questions on real data.

The study uses two sets of variables. The number of variables is 26 in the first set, and 5 in the second set. The most suitable statistical analysis technique for this type of data is canonical correlation analysis (CCA). The reason for this is that here we have two groups of variables, and the aim is to investigate the relationship between them.

As the canonical correlation analysis is not a widely used statistical analysis technique, a short review of the literature on the subject is in order.

II. Canonical Correlation Analysis

Multiple regression analysis is a multivariate technique which can predict the value of a single (metric) dependent variable from a linear function of a set of independent variables. In some research, however, the focus may not be on a single dependent variable but rather the researcher may be interested in a relationship between multiple set of dependent and independent variables.

Canonical correlation analysis is a multivariate statistical model that facilitates the study of the relationship between multiple dependent and independent variables. Whereas multiple regression predicts a single dependent variable from a set of multiple independent variables, canonical correlation predicts multiple dependent variables from multiple independent variables simultaneously (<https://www.education.umd.edu/EDMS/fac/Hancock/Course%20Materials/EDMS771/readings/CanonicalCorrelationChapter.pdf>, p.3).

Canonical Correlation Analysis (CCA) is an extension of bivariate correlation that allows two or more continuous independent variables and two or more dependent variables.

CCA allows a researcher to investigate the relationship between two set of variables $Y' = [Y_1, Y_2, \dots, Y_p]$ and $X' = [X_1, X_2, \dots, X_q]$. In addition one may also have sets of covariates $Z' = [Z_1, Z_2, \dots, Z_r]$ and $W' = [W_1, W_2, \dots, W_s]$. The goal of CCA as developed by Hotelling (1936) is to construct two new sets of

canonical variates $U = \alpha'Y$ and $V = \beta'X$ that are linear combinations of the original variables such that the simple correlation between U and V is maximal, subject to the restriction that each canonical variate U and V has unit variance and is uncorrelated with other constructed variates within the set (Tim, 2002: 477).

CCA may be used to determine whether two sets of variables are independent by assuming multivariate normality. As an exploratory tool, it is used as a data reduction method. Given a large number of variables, one may want to locate a few canonical variates in each set in order to study and reconstruct the intercorrelations between the variables (Tim, 2002: 477).

Some of the computational issues involved in canonical correlation and the major results that are commonly reported will now be reviewed here.

Eigenvalues. When extracting the canonical roots, one needs to compute the eigenvalues. These can be interpreted as the proportion of variance accounted for by the correlation between the respective canonical variates. Note that the proportion here is computed relative to the variance of the canonical variates, that is, of the weighted sum scores of the two sets of variables; the eigenvalues do not tell how much variability is explained in either set of variables. You will need to compute as many eigenvalues as there are canonical roots, that is, as many as the minimum number of variables in either of the two sets. (Electronic Statistics Textbook : Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Successive eigenvalues will be of smaller and smaller size. First, a calculation of the weights that maximize the correlation of the two sum scores is needed. After the first root has been extracted, one can find the weights that produce the second largest correlation between sum scores, subject to the constraint that the next set of sum scores does not correlate with the previous one, and so on (Electronic Statistics Textbook: Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Canonical correlations. If the square root of the eigenvalues is taken, then the resulting numbers can be interpreted as correlation coefficients. Because the correlations pertain to the canonical variates, they are called canonical correlations. Like eigenvalues, the correlations between successively extracted canonical variates are smaller and smaller. Therefore, as an overall index of the canonical correlation between two sets of variables, it is customary to report the largest correlation, that is, the one for the first root. However, the other canonical variates can also be correlated in a meaningful and interpretable manner (Electronic Statistics Textbook: Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Significance of Roots. The significance test for canonical correlation is straightforward in principle. Simply stated, the different canonical correlations are tested, one by one, beginning with the largest one. Only those roots that are statistically significant are retained for subsequent interpretation. Actually, the

nature of the significance test is somewhat different. First, it is necessary to evaluate the significance of all roots combined, then of the roots remaining after removing the first root, the second root, etc. (Electronic Statistics Textbook : Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Canonical weights. After determining the number of significant canonical roots, the question arises as to how to interpret each (significant) root. Remember that each root actually represents two weighted sums, one for each set of variables. One way to interpret the "meaning" of each canonical root would be to look at the weights of each set. These weights are called canonical weights.

In general, the larger the weight, the greater the respective variable's unique positive or negative contribution to the sum is. To facilitate comparisons between weights, the canonical weights are usually reported for the standardized variables, that is, for the z transformed variables with a mean of 0 and a standard deviation of 1.

Canonical weights allow the user to understand the "make-up" of each canonical root, that is, it lets the user see how each variable in each set uniquely contributes to the respective weighted sum (canonical variate) (Electronic Statistics Textbook: Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Factor structure. Another way of interpreting the canonical roots is to look at the simple correlations between the canonical variates (or factors) and the variables in each set. These correlations are also called canonical factor loadings. The logic here is that variables that are highly correlated with a canonical variate have more in common with it. Therefore, one should weigh them more heavily in deriving a meaningful interpretation of the respective canonical variate. This method of interpreting canonical variates is identical to the manner in which factors are interpreted in factor analysis (Electronic Statistics Textbook: Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

Variance extracted. Canonical correlation coefficient refers to the correlation between the weighted sums of the two sets of variables. It tells nothing about the variability (variance) in each canonical root. However, one can infer the proportion of variance extracted from each set of variables by a particular root by looking at the canonical factor loadings. These loadings represent the correlation between the canonical variates and the variables in the respective set. If these correlations are squared, the resulting numbers reflect the proportion of variance in each variable. For each root, one can take the average of those proportions across variables in order to get an indication of how much variability is explained on average by the respective canonical variate in that set of variables. Put another way, in this way you can compute the average proportion of variance extracted by each root (Electronic Statistics Textbook: Canonical Analysis, <http://www.statsoft.com/textbook/stathome.html>).

III. The Study

The data used in the present study was obtained from the ISE. One part of the data consisted of shares exchanged between 1986 (the year ISE was established) and September 2005. The national 100 share index (ISE-100) formed the other part of the data set. That is, there were 26 variables in total (25+1) on the left side of the variable set.

On the right side of the variable set we have the variables Producer Price Index (PPI), Consumer Price Index (CPI), USD, EURO and the interest rates. The data set on the left side consisted of monthly changes (in terms of percentage) in the values of all the variables. On the right side, the data set was formed by the monthly ratio of the PPI, the CPI, and the interest rates. The variables USD and EURO were added to the data set by calculating (in terms of percentage) the monthly changes in the exchange rates (see Appendix A).

The details of the two variable sets used in the canonical correlation analysis are presented below.

Left Side

KARTS	: KARTONSAN KARTON SANAYİ VE TİCARET A.Ş.
BAGFAS	: BAGFAŞ BANDIRMA GÜBRE FABRİKALARI A.Ş.
BRISA	: BRİSA BRIDGESTONE SABANCI LASTİK SAN.VE TİC.A.Ş.
EGUBRE	: EGE GÜBRE SANAYİİ A.Ş.
GUBREFAB	: GÜBRE FABRİKALARI T.A.Ş.
HEKTAS	: HEKTAŞ TİCARET T.A.Ş.
PIMAS	: PİMAŞ PLASTİK İNŞAAT MALZEMELERİ A.Ş.
ANCAM	: ANADOLU CAM SANAYİİ A.Ş.
BOLUCIM	: BOLU ÇİMENTO SANAYİİ A.Ş.
CIMSA	: ÇİMSA ÇİMENTO SANAYİ VE TİCARET A.Ş.
IZOCAM	: İZOCAM TİCARET VE SANAYİ A.Ş.
CHALAT	: ÇELİK HALAT VE TEL SANAYİİ A.Ş.
DOKTAS	: DÖKTAŞ DÖKÜMCÜLÜK TİCARET VE SANAYİ A.Ş.
EDCELIK	: EREĞLİ DEMİR VE ÇELİK FABRİKALARI T.A.Ş.
IDCELIK	: İZMİR DEMİR ÇELİK SANAYİ A.Ş.
SARKYSAN	: SARKUYSAN ELEKTROLİTİK BAKIR SAN. VE TİCARET A.Ş.
ARCELIK	: ARÇELİK A.Ş.
FOTOSAN	: FORD OTOMOTİV SANAYİ A.Ş.
MTAKIM	: MAKİNA TAKIM ENDÜSTRİSİ A.Ş.
TDDOKUM	: T.DEMİR DÖKÜM FABRİKALARI A.Ş.
TPRYSKAB	: TÜRK PRYSMIAN KABLO VE SİSTEMLERİ A.Ş.
ECZBSYAT	: ECZACIBAŞI YATIRIM HOLDİNG ORTAKLIĞI A.Ş.
KAVPDAN	: KAV DANIŞMANLIK PAZARLAMA VE TİCARET A.Ş.
KOCHOLD	: KOÇ HOLDİNG A.Ş.
SISECAM	: T.ŞİŞE VE CAM FABRİKALARI A.Ş.
ISE-100	: İSTANBUL STOCK EXCHANGE

Right Side

PPI : PRODUCER PRICE INDEX
 CPI : CONSUMER PRICE INDEX
 US\$: UNITED STATES DOLAR
 EURO : EURO
 INTEREST : WEIGHTED AVERAGE MONTHLY INTEREST ON DEPOSIT

The left side contains 26 variables, and the right side 5 variables. The study focused on the analysis of the canonical relations between these two sets of variables. The data was fed into the STATISTICA package, and a canonical correlation analysis was performed.

Table 1

Eigenvalues, variances and redundancy

		Root 1	Root 2	Root 3	Root 4	Root 5
Value		,591	,141	,127	,106	,079
Variance	Left	,136	,099	,025	,061	,019
Extracted	Right	,468	,186	,119	,142	,085
Redundancy	Left	,081	,014	,003	,006	,001
	Right	,277	,026	,015	,015	,007

Since the number of eigenvalues depends on the number of variables in the smaller variable set, in Table 1, 5 eigenvalues are given. These eigenvalues also represent the square of the canonical correlation coefficient. Table 1 shows that after Root 1 the coefficient is getting smaller. Also, if we examine the variances for each root, we see that it is getting smaller after the first root. In addition to this, the variances extracted on the left side are smaller than the ones on the right side.

The issue of which roots in Table 1 are statistically significant is addressed below.

Table 2

Chi-Square Tests with Successive Roots Removed

	Canonical	Canonical				Wilk's
	R	R-sqr.	Chi-sqr.	df	p	Lambda
0	,769	,591	301,1	130	,000	,253
1	,376	,141	105,5	100	,335	,618
2	,357	,127	72,1	72	,473	,719
3	,325	,106	42,4	46	,625	,824
4	,280	,079	17,9	22	,710	,921

Table 2 shows the significance tests for the square canonical correlation coefficients. Here, Wilk's Lambda test, which shows Chi-Square distributions, was used. When column p is examined, it can be seen that at % 5 (significance level) only the first root is statistically significant. In other words, the relationship between the two sets of variables can be explained only with the first canonical correlation

coefficient and canonical variable vector. Therefore, in the discussion that follows the statistically insignificant canonical correlation coefficients and canonical variable vectors will be ignored, as they have not produced sufficient statistical evidence to explain the relationship between the two variable sets in question.

Table 3 below shows the canonical weights and the factor structure of the variable set on the left side for Root 1.

Table 3

Canonical weights and factor structure for the left side.

LEFT SET		
	Canonical Weights	Factor Structure
	Root 1	Root 1
KARTS	-,182	,221
BAGFAS	,254	,399
BRISA	,169	,445
EGUBRE	,089	,387
GUBREFAB	,055	,372
HEKTAS	,229	,450
PIMAS	-,099	,290
ANCAM	,210	,437
BOLUCIM	,151	,361
CIMSA	,253	,368
IZOCAM	,156	,460
CHALAT	,159	,511
DOKTAS	-,006	,402
EDCELIK	,348	,351
IDCELIK	-,022	,283
SARKYSAN	,021	,392
ARCELIK	,183	,367
FOTOSAN	,237	,297
MTAKIM	-,010	,293
TDDOKUM	,320	,427
TPRYSKAB	,046	,362
ECZBSYAT	,080	,374
KAVPDAN	-,088	,242
KOCHOLD	,434	,364
SISECAM	,400	,364
ISE	-2,450	,155

In the literature there is no agreed upon significance level for factor structure. Commonly 0.4 and 0.45 are used. In this study values above 0.4 were considered significant. In Table 3 the significant canonical weights are given in bold face. The table shows that on the left side the variables BRISA, HEKTAS, ANCAM, IZOCAM, CHALAT, DOKTAS and TDDOKUM are more significant. Also, it can be seen that they are in a positive relationship with the variables in the same variable set. On

the other hand, Table 4 indicates that they are in a negative (reverse) relationship with all the variables in the variable set on the right side.

Table 4

Canonical weights and factor structure for the right side.

RIGHT SET		
	Canonical Weights	Factor Structure
	Root 1	Root 1
PPI	,074	-,559
CPI	-,045	-,474
US\$	-1,049	-,990
EURO	,098	-,801
INTEREST	-,140	-,424

The factor structure of all the variables on the right side function is above 0.4. These variables are PPI, CPI, US\$, EURO and INTEREST RATES. The signs of the factor structure coefficients of these variables are the same. Therefore, they are in a positive relationship with one another. On the other hand, they are in a negative reverse relationship with the variable set on the left side. Also, it is evident that US\$ and EURO are the most effective variables. In comparison to the others, the effect of these two variables is two-fold. This was the case for both variable sets.

IV. Discussion and Conclusion

The focus of the present study was on the analysis of the relationship between a group of shares exchanged in the ISE and the interest rates and inflation. In what follows I provide a discussion of the results and present the conclusions drawn.

Firstly, only one statistically significant root was identified between the two variable sets. If the functions belonging to the left and the right side of this root are examined, it can be seen that while all factor structures of the shares are positive, the factor structures on the right side, where we have the variables USD and EURO, interest rates and inflation, are negative. This means that an increase in the USD, EURO, interest rates and inflation results in a decrease in the value of shares. A decrease in the USD, EURO, interest rates and inflation, on the other hand, results in an increase in the value of shares. Consequently, if an investor is to make a decision in parallel with the conclusion reached here in deciding whether to invest in shares or foreign currency, he/she will benefit from it. If the economic indicators in the world point to an increase in the value of the UDS/EURO against the local currency, investing in USD/EURO will be more profitable. If the opposite is the case, then investing in shares will be more sensible.

However, it should be noted that this is an exploratory study with a limited number of variables and data. As pointed out in the introduction, it is almost impossible to explain such relations completely with a small number of variables. Probably this

was the reason why the extracted variances on the left side in Table 1 were so low. In order to satisfactorily explain the model the extracted variances should increase. This means that there is a need for a higher number of variables for the model.

We can also reach the following conclusion from the results of the present study. A higher number of economic indicators regarding the variable of shares is needed. This would result in higher variances and consequently would enable us to explain the relationship between the two variable sets more satisfactorily. We all know that the more related variables we have the greater amount and the more reliable information we get.

However, it seems natural to have such a chaotic and complex structure in an environment where we have so many identified and unidentified variables interacting with one another. For that reason, it may even be impossible to reach conclusive results. Still, thanks to the technology available now we can compile large databases based on real data, and in time we may explain such chaotic structures conclusively. In this way, we may find an order in what today is defined as chaotic.

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Appendix A – Data

Case	KARTS	BAGFAS	BRISA	EGUBRE	GUBREFAB	HEKTAS	PIMAS	ANCAM	BOLUCIM	CIMSA	IZOCAM	CHALAT	DOKTAS	EDCELIK	IDCELIK	SARKYSAN
1	-2.920	9.200	2.920	-2.260	3.380	12.000	-10.000	-5.950	25.250	17.210	37.270	-5.970	-2.350	22.380	5.550	-1.160
2	3.510	11.640	-1.310	-2.920	-4.090	1.260	-11.130	-4.520	-0.110	3.190	-4.790	8.350	-4.530	9.290	-1.940	2.810
3	6.880	18.230	3.590	14.190	17.200	9.260	23.290	11.730	13.700	20.660	8.130	8.540	11.570	14.000	-0.520	7.910
4	13.260	0.690	9.470	5.410	2.030	5.830	0.070	7.220	12.230	13.080	5.340	3.150	10.660	7.140	-0.560	5.860
5	11.290	26.620	34.330	9.700	11.110	17.090	-14.000	18.880	17.200	35.360	20.490	22.780	6.500	8.920	-14.760	4.250
6	-24.200	-22.540	-24.980	-22.200	-21.290	-18.350	23.410	-6.660	-14.260	-13.110	-13.300	-32.490	-19.370	-11.050	6.030	-14.170
7	-17.880	-10.440	-24.670	-11.760	-11.410	-13.960	-11.100	-20.480	-13.410	-16.210	3.190	-3.810	-11.690	-10.580	-18.220	-15.010
8	-12.480	-11.790	6.240	3.990	-1.930	-7.830	21.860	14.010	14.060	15.650	19.500	8.180	-0.210	9.590	6.960	6.920
9	37.000	55.600	25.470	28.870	22.700	27.890	3.090	10.320	31.400	16.300	13.660	29.000	7.010	8.400	5.970	9.440
10	18.910	5.430	9.820	32.830	3.850	11.820	3.130	6.380	14.910	12.650	6.090	-0.890	12.320	8.090	-0.490	9.870
11	-21.200	-2.270	3.820	19.270	3.880	-5.500	8.800	10.000	4.040	4.050	2.460	8.750	-6.750	4.860	1.390	-0.570
12	100.250	6.540	30.040	18.050	5.440	1.850	15.710	-2.690	16.780	11.910	2.320	17.180	3.740	8.330	6.870	12.720
13	22.460	8.980	9.080	9.440	1.920	9.440	7.040	30.040	3.570	17.410	29.930	5.440	4.680	7.140	63.250	8.880
14	-4.600	-1.880	2.870	-7.950	8.140	3.650	-0.400	-2.630	5.340	14.310	3.610	-0.080	1.800	10.210	14.050	-0.190
15	5.530	3.620	5.580	5.360	4.480	7.000	5.470	0.500	5.570	2.140	5.770	3.410	12.000	22.030	9.740	0.000
16	-2.680	-0.800	-1.870	11.260	-7.290	-3.630	-8.010	-4.180	-3.940	0.750	-0.140	4.090	-4.070	3.500	-1.610	-8.320
17	-9.910	-11.160	-17.840	-4.170	-18.530	-15.030	-14.320	-7.380	-14.010	-10.500	-14.250	-15.720	-10.260	-11.500	-5.560	-8.660
18	-25.540	-13.180	-13.040	5.390	-17.250	-12.420	-18.360	7.440	-13.050	-14.500	-11.610	-14.670	-22.050	-25.210	-15.420	6.230
19	11.100	3.650	13.330	-0.150	10.660	8.710	15.900	24.630	4.470	14.900	10.540	14.880	9.170	20.890	27.240	10.630
20	-1.050	-0.200	4.680	2.200	-1.430	2.640	4.300	16.080	1.710	7.350	26.480	3.320	-2.390	9.790	-0.150	1.190
21	5.370	10.250	-1.150	30.260	23.070	-1.460	1.100	-0.940	3.150	-12.530	1.760	-2.460	-0.210	-3.950	-4.050	25.510
22	15.410	33.460	28.460	33.700	43.380	25.850	14.720	29.500	23.330	25.040	27.130	24.730	24.500	56.210	55.730	25.520
23	1.620	3.540	-0.100	-0.760	-7.560	-4.630	17.700	11.330	-2.490	15.660	-7.850	-9.070	3.720	-9.760	-6.850	-3.460
24	-2.160	-4.590	1.650	1.540	-0.190	15.900	2.710	17.530	3.810	10.740	22.900	7.140	38.630	6.370	9.060	-1.470
25	28.880	15.230	4.450	1.470	30.480	-8.140	-1.450	11.070	-1.290	1.270	0.610	1.220	-4.500	26.910	2.600	0.610
26	2.210	3.650	1.370	-9.470	11.850	29.520	15.510	3.940	0.730	10.850	18.260	11.500	41.300	6.750	5.550	0.480
27	-1.930	-3.760	-3.970	14.570	-8.210	0.820	-4.020	-4.190	-10.380	-11.730	-8.970	-8.130	-13.410	6.940	-4.240	-2.000
28	2.540	-4.140	-0.360	-2.560	-3.720	-10.230	-7.430	9.400	-8.400	-7.400	1.490	-6.510	-3.330	0.860	-9.850	-1.660
29	8.580	7.060	2.330	40.820	15.330	8.010	11.920	15.880	-15.150	4.870	12.740	4.660	9.000	12.730	-0.210	7.070
30	19.270	36.880	46.270	30.310	50.920	49.550	42.000	22.830	69.680	36.480	49.790	39.210	48.680	36.680	39.070	28.810
31	1.940	-25.950	-21.960	-26.580	-11.370	-21.580	-16.090	-7.860	-19.020	-15.150	-31.660	-13.000	-13.970	-19.910	-22.460	-18.240
32	4.860	6.990	24.920	6.210	5.120	13.050	-2.980	9.010	43.660	7.920	9.490	17.090	13.790	-7.600	9.980	13.610
33	9.370	3.300	13.930	-3.790	1.320	6.520	13.330	26.250	-2.020	12.450	7.050	6.520	15.450	16.720	21.190	9.720
34	-14.170	-26.430	-28.140	-18.690	-34.800	-38.430	-28.210	-30.150	-25.090	-31.400	-30.070	-33.910	-33.790	-27.890	-34.460	-29.110
35	14.650	28.710	43.270	45.230	43.320	54.990	27.390	44.870	75.160	49.820	37.970	81.810	68.440	34.580	37.330	37.810
36	0.260	8.490	13.210	-1.880	5.480	5.480	18.490	18.490	12.510	18.800	13.980	11.680	11.680	10.310	15.630	7.060
37	-4.600	17.640	-5.090	-8.170	-10.180	9.660	-9.620	-6.300	5.250	-7.810	-13.040	-10.470	-7.540	-18.570	-33.500	-3.650

38	4.120	10.970	2.390	-2.250	1.700	1.760	6.250	14.710	4.120	5.750	22.140	-13.410	-8.760	8.400	-3.310	0.270
39	1.750	2.380	11.540	8.440	0.930	7.620	-24.090	9.680	-7.050	0.830	2.840	3.880	6.070	7.700	35.550	4.570
40	-7.380	-13.380	-15.150	-16.330	-15.600	-17.080	-9.970	-10.150	-15.870	-5.140	-12.990	-10.460	-13.450	-3.770	-11.130	-8.360
41	-3.400	-14.080	-5.630	2.660	3.720	-20.090	-18.830	-15.650	-7.990	-5.730	-17.640	-12.410	-18.280	-18.280	5.400	-15.800
42	-0.620	-8.390	-3.840	1.670	-4.530	13.400	1.590	8.170	-4.290	-3.090	-8.600	-1.690	-8.520	13.840	10.620	2.300
43	7.020	3.610	5.330	2.360	9.000	3.610	3.610	3.610	9.820	11.460	-2.260	11.940	9.470	-7.220	2.310	-3.540
44	-12.550	-19.150	-23.640	-8.040	-29.090	-23.170	-14.560	-24.660	-20.190	-19.800	-12.430	-31.720	-19.490	-23.050	-31.510	-14.650
45	5.960	23.050	20.010	10.280	14.780	7.460	9.160	23.590	4.950	12.090	16.410	47.040	3.600	23.880	7.830	10.280
46	7.670	20.090	20.040	13.030	30.650	14.090	-8.780	18.310	35.070	13.560	24.250	31.640	40.790	13.250	7.150	11.070
47	-11.470	19.500	20.120	15.170	30.870	34.620	51.880	56.260	21.970	11.760	10.170	39.610	17.490	11.060	58.590	13.470
48	12.890	26.980	25.950	9.340	25.970	40.990	96.810	34.040	10.290	25.510	30.050	23.000	27.560	15.530	20.410	16.470
49	-17.190	-44.100	-38.020	-21.740	-42.300	-46.900	-39.410	-30.730	-27.650	-27.740	-25.660	-36.330	-29.730	-16.840	-38.250	-22.380
50	10.740	7.160	-8.970	-16.500	-5.630	-20.930	-16.120	-2.590	12.600	8.240	-6.240	6.430	-12.950	18.140	-16.500	5.370
51	-8.210	-9.820	3.140	-15.390	-5.320	-17.940	-30.440	-14.420	6.980	-3.160	-2.890	-23.690	-8.240	-21.930	-3.340	-10.780
52	2.560	-0.160	-10.140	6.470	-1.670	3.160	4.840	-3.720	-2.660	-1.480	-8.420	-13.990	2.630	-0.220	-0.620	-8.970
53	-4.700	-3.600	-20.290	2.870	-15.770	27.280	-4.620	-20.410	-13.030	-17.230	-9.290	24.110	-18.250	-16.320	-22.030	-1.060
54	8.110	44.230	17.620	4.660	60.720	12.810	22.830	8.320	45.770	43.530	24.360	34.560	47.170	33.690	31.060	37.610
55	0.520	-17.840	8.260	-9.790	2.130	4.460	14.980	-2.420	-12.520	-4.980	8.750	-15.360	11.030	-12.320	15.770	-9.790
56	-27.270	-41.820	-39.590	-32.770	-48.560	-51.110	-52.970	-44.430	-42.040	-39.200	-51.920	-54.730	-48.160	-36.850	-41.760	-35.080
57	1.850	13.350	31.970	14.990	0.300	3.810	11.530	4.120	1.390	9.840	23.170	8.880	10.980	-10.020	-2.310	-2.960
58	22.970	-1.590	-19.660	1.580	8.840	4.120	-5.100	-12.110	-7.450	-2.000	-6.710	-17.630	-4.220	5.420	8.640	1.090
59	-30.570	-27.360	-23.700	-35.930	-41.740	-39.470	-51.960	-32.660	-23.820	-26.180	-37.260	-39.420	-40.750	-38.450	-42.470	-22.740
60	2.260	15.670	20.750	-0.860	3.750	12.630	-7.420	21.130	8.280	28.580	24.380	-1.110	-1.050	10.070	10.530	5.210
61	-0.550	-17.440	-36.730	-7.180	-13.370	-24.380	4.470	-22.340	-16.080	-22.350	-25.140	-10.750	-24.080	-14.240	-20.010	-21.140
62	5.600	-11.660	-7.750	-2.630	-9.710	-2.630	-20.050	6.950	-14.970	-4.790	-5.000	5.350	-9.840	-6.910	7.310	-13.920
63	-5.070	-4.370	20.420	-2.400	-7.450	12.850	7.810	-6.980	-1.010	-6.550	29.080	-10.130	-9.130	-11.180	-4.350	-0.960
64	-9.530	-18.210	-4.580	-16.110	-11.540	-13.080	-8.320	-28.710	-13.250	-6.810	-16.940	-10.940	-8.190	-13.030	-21.690	-11.300
65	-1.010	-16.290	-12.180	-9.040	-16.700	5.310	-12.490	-11.180	-14.370	-28.410	-0.320	-26.210	3.030	-15.950	-26.700	-18.670
66	-4.150	22.570	21.980	30.110	20.140	35.000	21.290	10.420	-6.560	6.490	19.960	21.680	65.670	20.390	25.340	22.910
67	24.800	-5.900	-3.910	-6.830	-5.590	10.180	-7.020	8.640	11.120	-6.960	-21.210	15.780	10.930	6.260	-7.720	-2.600
68	-21.430	-26.640	-0.320	-5.080	-28.360	-18.960	-27.360	-24.350	-12.840	-9.750	-9.080	-24.410	-30.170	2.140	-21.590	-22.620
69	11.920	27.360	6.710	38.040	2.140	-4.970	41.490	63.280	31.220	28.450	2.760	3.980	4.710	0.620	33.170	56.130
70	51.450	66.190	63.810	51.020	116.000	192.490	44.560	41.260	56.470	43.650	111.250	65.750	72.080	48.610	88.760	49.320
71	17.730	19.440	47.400	13.900	27.830	-0.010	-1.320	11.150	1.690	30.910	7.900	12.950	21.590	12.490	12.690	31.180
72	-3.670	-1.820	-7.530	1.080	5.800	8.370	0.340	4.090	-3.670	4.490	-3.670	-8.550	-2.680	10.090	3.600	17.730
73	-3.610	8.970	25.510	18.300	33.640	20.490	94.820	29.920	4.430	11.510	13.100	46.450	26.350	29.760	11.060	26.960
74	-9.250	-34.030	-21.490	-27.100	-36.890	-29.040	-26.270	6.510	69.570	-2.960	0.100	-9.150	-14.330	-2.660	8.340	-11.470
75	1.000	34.270	18.950	16.150	37.060	8.640	29.270	-0.610	13.170	25.540	19.830	1.900	5.850	28.150	4.330	0.450
76	-0.910	-28.530	-17.000	-31.410	-11.140	-21.500	0.060	-18.630	-16.480	0.060	-23.250	-26.060	-17.640	-23.250	-24.560	-12.760
77	0.730	12.930	-9.700	5.960	0.470	-15.510	5.460	40.800	3.260	-12.090	7.400	1.140	8.360	-1.000	32.580	-5.410
78	8.190	-7.320	-1.640	-6.940	-12.530	-2.290	-16.460	-13.390	-11.520	17.440	-0.580	6.850	-5.720	30.540	3.590	-11.920

79	2.470	-2.600	28.890	-4.250	-1.890	1.270	9.620	34.990	31.020	46.710	54.890	10.480	16.060	31.020	15.750	10.260
80	11.920	24.230	36.130	2.210	7.520	25.660	18.240	43.730	19.380	30.820	22.070	27.290	15.190	58.490	37.270	17.360
81	3.360	-16.620	-15.930	15.980	10.280	2.640	-22.220	-21.050	-6.500	-15.360	-17.100	-21.560	-6.980	-10.720	-12.830	-1.540
82	12.720	-9.130	8.550	-11.320	-9.610	8.360	24.110	2.740	-6.150	6.240	20.400	-17.060	12.720	-22.940	-16.960	4.520
83	4.450	2.160	-0.830	-2.460	-8.370	-8.420	5.500	-3.410	-6.750	3.590	-6.530	-19.050	6.960	-5.550	1.440	5.690
84	-25.060	-24.570	-11.840	-8.990	-25.310	-15.780	-21.840	-9.210	-10.910	-16.490	3.370	-17.440	-22.600	-24.050	-16.870	-13.340
85	-26.490	-24.820	-8.110	6.240	-5.200	-8.210	-25.370	-25.220	2.630	-6.270	-17.070	-2.390	-25.530	-12.420	-7.130	-12.750
86	-29.020	-51.500	-45.220	-49.000	-52.530	-39.010	-54.960	-40.090	-40.090	-42.540	-37.960	-45.390	-42.210	-43.120	-35.650	-36.890
87	-2.390	1.210	-1.200	21.330	0.950	30.410	2.550	1.790	8.360	-4.860	1.150	8.880	7.990	-3.580	10.070	6.500
88	-8.970	46.560	-8.850	-5.150	15.310	-2.980	-4.100	-9.860	-1.070	-13.140	3.940	30.400	1.220	11.260	6.980	-10.460
89	17.540	-1.390	-11.120	17.330	42.740	-7.700	-8.470	-2.890	13.790	-3.640	-7.120	26.780	-18.830	-15.760	-25.370	6.580
90	28.640	29.860	16.670	13.050	40.700	32.250	4.070	22.550	18.170	13.350	11.300	18.250	51.400	31.840	56.190	17.450
91	7.940	31.520	-1.290	77.960	44.350	1.790	20.120	-9.100	9.620	19.770	6.420	-1.760	4.010	1.570	-3.650	-2.120
92	-0.390	2.540	-13.190	-0.940	-15.090	-23.900	-16.670	-11.250	-16.800	-10.510	-18.580	-25.780	-19.480	-16.500	-31.250	-15.490
93	-10.030	13.290	-11.000	1.330	-6.180	21.270	-13.970	10.300	6.210	-6.530	0.900	-6.990	1.570	-4.410	-12.210	-8.280
94	9.570	8.610	-3.080	-0.500	16.010	-1.040	5.030	2.410	-6.770	-7.530	-13.850	-4.180	-33.660	16.340	10.280	-5.470
95	-8.940	38.510	1.310	-23.730	-16.380	-14.860	-11.780	-15.340	-11.710	-22.580	-14.450	3.000	16.660	-19.290	-22.550	-13.860
96	-18.590	32.880	13.310	19.590	19.850	-8.060	-20.800	2.060	-5.350	22.430	5.710	11.020	34.230	-7.210	-6.890	-5.310
97	20.970	28.570	17.170	17.310	1.020	16.630	20.810	29.210	18.690	35.460	13.290	13.840	55.780	8.060	27.820	12.540
98	-12.480	14.760	4.120	-13.270	0.170	-7.230	-0.350	2.550	-2.590	6.250	15.030	4.570	-4.140	-1.450	-6.540	-10.620
99	-1.200	-7.640	7.140	29.300	-25.270	-9.110	15.810	8.810	2.250	-4.180	-0.400	-10.690	-2.780	-0.180	5.550	3.550
100	27.880	14.520	-4.830	0.180	7.920	6.170	9.010	-0.750	-1.830	7.230	12.870	0.130	-7.270	23.970	2.490	14.200
101	-13.570	9.430	-7.250	-6.970	-13.400	-20.390	33.510	0.590	1.700	-2.790	-11.580	2.890	-18.770	41.620	-10.430	8.700
102	-2.300	-18.120	-21.340	-25.450	-29.660	-14.250	8.530	-22.960	1.010	-18.640	-24.970	-20.330	10.000	-27.960	-27.050	-12.910
103	-21.730	-5.290	-1.960	2.800	-2.160	-12.540	-8.990	-5.480	-8.800	6.470	-5.750	3.160	-8.320	-21.900	3.080	3.610
104	-5.190	-14.540	-6.650	-2.520	-11.210	-1.350	-1.190	-8.410	-1.070	26.970	14.990	-5.190	16.790	-6.290	-24.870	-13.510
105	29.850	33.940	23.890	33.940	41.350	38.190	11.240	78.950	39.420	29.410	29.670	37.010	30.170	52.880	169.190	82.950
106	5.020	7.030	2.410	-4.000	-16.710	-5.930	0.110	-3.370	3.500	13.120	6.890	0.400	33.790	-14.810	5.450	-6.280
107	-0.730	15.240	-4.900	6.080	36.430	-2.030	54.340	0.890	-5.950	11.270	5.600	13.290	31.970	21.220	-1.130	8.980
108	22.650	-4.600	-2.410	-12.720	10.390	-4.600	18.920	-19.280	4.750	-8.470	-4.600	11.930	14.850	8.400	-5.810	5.440
109	8.260	-2.920	10.920	0.780	-10.760	4.100	37.740	2.210	2.370	-4.360	-2.220	-6.900	1.220	21.300	8.020	-0.410
110	-7.780	-8.550	23.450	0.170	25.610	-3.240	15.190	27.590	9.580	-3.240	-4.970	5.050	-17.070	-1.970	-9.780	-6.700
111	-13.010	-19.730	-14.000	-7.580	-5.460	-3.250	-12.550	-12.690	-12.660	-28.170	-21.710	-12.180	-18.210	-18.270	-19.540	-11.610
112	4.450	13.620	17.030	0.200	22.810	9.430	12.500	20.570	30.710	18.430	6.390	21.070	8.730	9.860	9.680	7.400
113	-24.100	-12.320	-7.960	-12.590	-21.290	-17.100	-28.370	-8.360	-20.680	-7.730	-4.050	-14.450	-1.020	-1.050	-14.830	-18.690
114	-7.820	-16.630	8.410	-23.100	-30.580	-17.090	2.600	-11.670	-10.070	-12.560	-5.000	-16.080	-15.960	-6.150	-7.840	-5.000
115	-1.640	-15.700	10.180	-9.960	16.870	-0.310	8.020	-22.130	0.980	-12.100	4.920	-12.910	0.640	4.200	-4.240	-22.820
116	31.260	14.270	7.760	36.040	29.760	0.630	15.020	31.530	41.310	38.380	6.500	24.380	25.580	10.110	26.320	37.550
117	13.150	17.440	26.060	2.360	18.740	26.570	4.940	25.270	13.770	18.170	32.810	19.880	14.170	25.270	4.250	22.330
118	-13.840	-22.510	-6.390	-24.210	-11.150	-13.460	1.020	-17.730	-21.890	-14.380	-14.210	-16.370	-13.370	-10.250	-7.110	-5.920
119	-21.760	-19.460	-15.410	-8.150	-21.960	-31.320	-25.690	-24.520	-14.780	-23.120	-22.400	-1.720	-18.560	-24.000	-10.420	-17.930

120	11.280	16.820	6.050	5.980	-4.210	50.120	-4.210	47.540	-1.250	23.420	-2.820	33.770	-7.240	-2.610	-8.200	3.240
121	-18.640	-4.220	-12.790	-21.840	-17.650	-13.500	-25.910	-2.860	-4.830	-10.490	-15.370	-15.040	-6.790	-12.130	-7.660	-11.700
122	-5.990	-7.240	-11.600	-25.040	-20.230	-16.920	22.020	-34.710	-24.180	-25.570	-31.630	-24.110	-24.790	-12.520	-28.440	-21.660
123	16.190	7.310	9.180	-0.890	2.430	27.400	24.190	-4.870	7.350	11.740	3.410	4.040	23.450	23.500	-3.670	-0.150
124	6.590	18.590	0.240	-14.180	-18.610	3.300	17.550	5.450	1.370	-28.250	32.600	-13.130	3.190	-7.060	-9.740	8.430
125	2.790	-4.690	3.130	21.870	-15.130	9.060	1.240	-18.420	-12.530	36.920	20.530	29.300	-7.970	-16.570	-11.470	6.220
126	30.410	13.450	20.350	74.310	-36.730	64.770	-1.140	28.940	12.550	26.540	-3.340	3.490	5.240	23.990	26.410	2.270
127	42.410	39.700	64.080	29.040	-3.280	100.130	127.250	21.650	20.770	38.310	38.480	26.050	52.640	27.690	41.220	16.560
128	2.930	37.070	22.290	21.160	57.990	21.740	-8.830	15.900	-3.640	-2.910	-0.580	16.880	-1.820	19.120	25.210	11.880
129	-20.310	-9.590	-16.600	-10.600	90.220	-16.570	-10.030	-22.690	-6.620	-13.540	-11.600	-32.290	-20.740	1.900	-21.870	-9.120
130	-16.710	-8.830	-20.190	24.400	4.120	1.680	-9.140	-22.640	-13.330	4.000	-9.700	-15.480	-7.380	-8.080	-22.140	-21.210
131	7.590	3.550	15.060	24.920	49.830	86.680	57.850	10.700	7.590	-4.560	3.260	39.980	-3.350	4.420	19.760	29.890
132	-14.920	-8.410	-17.480	-18.090	-23.980	-33.490	-7.070	-8.710	-14.330	1.570	-20.030	-16.630	-16.650	7.690	-31.190	-18.840
133	11.000	13.360	20.610	7.970	8.490	19.140	-11.910	4.870	5.450	7.970	-0.230	20.470	-13.780	-1.310	34.610	17.640
134	19.660	17.280	19.620	54.570	109.980	56.880	25.510	66.110	13.360	11.240	-4.900	-13.550	-20.730	27.880	35.100	7.770
135	5.860	-7.140	37.790	42.460	-3.250	-7.580	-7.430	42.340	24.590	6.960	10.750	53.850	36.360	-26.040	20.280	6.660
136	47.010	49.330	60.160	53.730	131.110	45.850	65.930	103.640	80.060	5.210	19.470	22.950	39.070	85.590	60.650	83.840
137	-7.870	24.680	41.980	19.330	-16.160	20.290	5.290	-11.340	6.690	-2.810	13.330	11.600	43.890	9.440	-18.310	14.170
138	25.790	-31.940	-41.010	-39.760	-51.640	-54.440	-55.270	-48.960	-11.250	-21.880	-37.630	-59.590	-38.150	-38.580	-47.350	-33.740
139	8.150	-29.020	-28.700	-39.960	-30.640	-36.400	-47.210	-22.730	-28.940	-3.060	-14.150	-11.000	-36.260	-6.060	-11.450	-15.500
140	-33.760	-52.890	-45.480	-52.190	-59.360	-47.870	-11.120	-42.750	-45.320	-11.280	-12.900	-40.330	-15.970	-59.140	-35.940	-39.650
141	-23.160	-35.760	6.800	-40.730	-38.770	-31.490	-15.960	21.090	-12.850	-19.100	-33.520	23.620	-23.220	-1.750	-11.540	16.930
142	8.920	8.960	38.060	11.330	9.060	9.160	-1.360	1.950	31.430	-5.960	-7.830	25.210	16.490	-16.800	-16.510	-10.890
143	12.830	30.210	27.060	29.510	43.950	19.790	30.740	2.910	45.710	43.500	41.500	19.190	17.470	101.080	47.650	21.640
144	-0.840	-12.820	-16.860	-13.970	28.320	-0.350	-2.430	11.310	-29.660	8.620	-2.430	-40.140	-14.720	-11.340	28.790	-6.680
145	6.060	19.180	9.130	26.990	18.360	14.720	3.080	15.280	43.170	4.050	6.950	45.340	8.440	65.490	13.930	1.220
146	41.020	33.330	34.110	3.790	44.580	8.260	9.280	92.120	18.220	8.900	8.260	16.680	12.590	22.120	45.020	-8.810
147	-18.970	-16.530	-13.380	-5.110	3.550	-7.170	-7.610	-8.960	-18.200	2.970	-10.100	-30.130	-23.750	-15.280	-19.000	8.840
148	26.860	15.080	28.770	13.510	6.900	16.580	45.440	28.500	51.070	8.820	12.760	7.440	9.400	60.750	46.110	25.030
149	38.570	4.230	12.130	20.030	39.350	0.350	127.600	0.330	10.810	56.850	8.870	7.680	-3.230	-17.090	28.940	7.120
150	59.800	86.560	-13.960	143.860	58.570	48.400	114.840	3.380	3.700	4.060	-5.900	65.750	35.060	33.050	43.290	23.430
151	-3.350	24.900	10.460	42.080	25.290	-1.860	-2.300	-3.350	-6.110	-7.210	-20.500	8.080	-3.350	-22.390	-5.100	10.240
152	39.500	19.310	69.380	54.940	5.900	12.800	-2.430	9.660	28.480	28.290	34.490	18.350	51.550	38.450	45.820	59.070
153	-4.320	10.930	-0.460	-2.500	2.340	28.510	19.350	4.830	2.060	14.080	17.330	26.900	25.210	-20.270	0.940	-1.870
154	-3.210	-3.210	-0.360	50.030	-3.210	12.920	11.920	-9.980	0.830	4.640	1.190	12.280	12.280	-3.210	-9.660	2.110
155	-5.350	8.850	-5.350	5.170	6.010	3.250	-15.870	-7.840	-1.240	-10.200	2.830	-10.710	0.690	-7.010	1.410	-3.220
156	16.690	-11.090	-0.810	-11.560	-10.240	-11.980	-15.980	-34.310	-6.650	-10.100	-34.250	-4.850	-26.870	-19.380	-12.870	-11.610
157	-11.900	-20.260	16.360	-8.460	-13.610	-6.320	16.800	-3.640	-17.920	-3.640	0.740	-10.520	-16.210	-18.470	-23.930	-8.510
158	0.110	-14.610	0.110	-4.650	-21.530	-9.900	6.570	-9.900	0.110	8.120	2.440	-18.750	-13.650	-9.200	-9.420	-3.310
159	-7.450	6.720	-7.910	-2.700	24.140	-2.700	0.540	12.270	-22.560	-5.230	-0.380	-1.270	-10.530	-10.980	-7.120	-3.170
160	20.340	23.750	27.010	16.430	7.190	28.770	-0.200	85.340	33.940	6.720	29.370	44.390	27.680	40.010	9.780	50.380

161	-13.930	-19.830	-18.600	-21.290	-29.800	-21.520	-15.120	-25.180	-16.920	-6.300	-7.560	-10.800	-15.040	9.240	-26.000	-21.090
162	-16.350	-16.480	-25.940	-22.870	-10.200	-28.060	26.430	21.700	-26.930	-5.340	-6.700	-5.340	-9.810	-19.720	-12.100	-14.040
163	-4.050	-3.440	18.010	-6.280	1.530	0.260	3.580	0.920	13.660	-8.660	7.540	17.150	17.150	-3.850	-6.280	4.370
164	-38.450	-31.220	-41.790	-27.650	-23.260	-36.790	-47.590	-26.110	-35.110	-17.670	-25.700	-30.060	-36.410	-31.870	-29.020	-39.970
165	-1.330	-5.390	21.940	24.530	19.710	32.980	36.810	22.110	-1.990	-8.510	4.750	1.070	16.120	-7.490	14.090	1.760
166	8.130	21.140	10.870	-0.890	2.120	5.720	-6.390	-8.230	-0.890	34.620	53.180	7.040	13.620	-4.490	2.530	3.240
167	28.200	30.530	22.890	10.670	11.400	17.480	46.850	25.870	86.890	45.760	53.840	25.510	49.770	70.930	35.190	56.630
168	-4.180	-4.180	-2.090	-8.170	-0.750	-11.400	-23.340	0.620	-17.330	10.570	17.680	-23.730	-1.230	-23.580	-22.600	2.670
169	5.030	-12.230	-19.890	-16.410	-14.670	-5.840	9.720	-7.120	-12.740	-15.480	-11.760	-9.830	-13.160	-6.040	-9.440	-14.670
170	-9.150	6.120	-23.590	2.860	-1.410	-10.650	-23.590	-25.710	20.980	-6.570	-16.430	7.700	24.500	39.850	-13.730	0.540
171	-12.750	-49.270	-18.430	-29.300	-27.750	-35.440	-32.010	-33.930	-40.470	-22.360	-23.390	-24.580	-33.950	3.430	-5.170	-23.300
172	-5.850	-9.170	0.110	-0.310	-5.850	-3.800	-8.320	-8.050	-8.630	-4.190	1.910	-16.610	8.040	-12.450	-3.430	-15.040
173	-6.560	-7.840	-2.410	-5.200	-6.850	-2.410	-9.550	-14.610	6.970	1.010	30.040	-1.000	36.620	-8.810	0.150	27.930
174	-21.670	-30.950	-23.490	-25.230	-28.700	-37.770	-34.680	-33.300	-33.050	-31.310	-17.290	-29.510	-28.790	-22.250	-28.570	-35.770
175	-5.650	-21.570	-18.520	-24.160	-16.150	-23.700	-13.310	-22.820	-23.920	-22.320	-24.040	-23.290	-17.840	-27.680	-35.980	-14.640
176	13.180	2.300	6.890	13.090	17.980	45.990	18.550	2.760	13.840	24.550	14.660	6.730	15.380	-5.440	113.130	27.880
177	5.000	25.020	19.990	10.120	29.350	23.290	24.920	21.740	19.540	32.020	60.550	68.400	122.980	30.890	71.200	61.690
178	1.220	-9.850	-3.460	6.810	-12.060	1.620	-3.410	-16.230	6.700	-5.710	-4.730	0.980	-17.970	-16.640	-4.730	-19.620
179	-17.730	-28.990	-21.230	-25.960	-25.960	-28.350	-40.770	-10.530	-16.340	-3.250	-29.910	-21.650	-39.510	-41.980	-27.030	-17.950
180	-10.610	-17.260	-27.510	-32.140	-14.460	-5.850	-8.850	-8.450	3.990	-22.890	-16.000	-9.880	-17.160	-1.290	-29.060	-6.170
181	-8.710	13.150	-17.320	-40.780	-15.850	-7.510	-0.290	-8.460	35.660	-8.940	-8.500	-8.460	-5.210	9.340	1.350	3.280
182	1.030	0.250	-0.740	5.990	-19.210	-9.880	-29.420	-11.510	-19.040	-18.470	-6.360	-15.570	-11.430	3.980	-16.840	-15.080
183	-11.810	-5.510	-6.910	-19.810	-18.580	-7.690	46.380	-1.970	-8.000	-1.950	5.170	-0.790	40.190	-13.190	-16.570	25.770
184	-10.690	12.040	-0.960	3.490	-9.950	-0.440	-12.250	-12.740	-0.370	-11.550	-11.080	-11.360	18.410	-0.100	-2.190	-3.540
185	5.740	63.230	19.810	46.010	57.250	15.980	42.350	9.510	3.070	10.240	37.980	37.340	25.050	-2.660	12.710	30.370
186	2.350	-5.130	8.480	-3.750	-1.660	0.480	-8.550	-9.230	-32.230	22.750	-0.420	-6.750	-1.660	7.080	-37.720	1.980
187	5.730	-16.630	-11.570	14.100	-5.330	-0.740	-31.620	5.190	35.210	-10.770	2.280	-2.900	12.040	-23.340	0.450	-19.330
188	-8.620	7.220	7.030	-16.150	-15.240	-2.530	73.010	-4.520	-14.480	6.070	5.950	-19.240	17.330	-2.530	-11.670	0.570
189	61.380	49.750	56.460	107.500	96.340	51.290	30.900	56.180	70.590	45.120	57.530	77.110	23.290	24.350	42.800	28.850
190	40.460	20.480	53.930	15.850	21.120	62.310	27.730	44.010	27.150	85.590	73.480	29.410	68.720	70.930	46.750	50.080
191	-10.710	-7.920	-16.470	-17.720	-13.980	-4.640	-6.380	2.470	-11.470	-17.670	-3.510	-7.780	-0.400	-18.140	-6.630	4.500
192	25.810	2.440	10.540	18.160	43.020	5.460	-9.620	-0.540	54.120	10.920	-15.580	8.310	-6.510	13.100	17.870	26.150
193	27.820	64.790	35.110	63.080	-5.450	35.290	21.140	65.070	79.910	53.290	30.440	53.310	53.470	107.290	43.720	51.270
194	32.460	16.810	14.360	-10.570	-2.800	61.220	91.660	17.840	31.840	8.710	34.400	15.660	4.040	21.500	24.580	46.760
195	-21.320	-12.060	-10.370	-21.020	11.220	-6.210	-26.920	3.780	10.700	-7.770	-4.040	-3.540	0.200	-13.150	-24.840	-6.020
196	64.130	31.640	19.300	43.530	-5.370	17.560	-9.130	10.610	2.830	7.080	17.560	6.460	17.560	64.270	0.100	41.070
197	19.120	18.810	4.930	29.430	0.630	35.440	-2.410	25.280	13.860	34.310	14.910	33.120	18.530	60.770	26.510	4.040
198	11.620	18.380	34.080	5.350	-4.720	6.730	31.470	12.410	5.180	24.800	17.810	8.620	12.750	26.490	-10.990	12.250
199	-4.830	-11.530	17.730	-17.760	-23.490	-16.080	-32.210	-7.450	-15.260	-16.030	-11.980	-7.000	-19.820	-2.160	-13.580	-8.400
200	16.000	35.860	20.590	43.620	39.810	11.820	14.910	45.720	29.530	18.500	40.690	34.420	18.740	53.730	32.660	53.080
201	-1.610	-1.540	-21.430	-4.480	14.550	-0.350	62.640	19.440	4.100	0.110	-0.990	-3.470	-3.470	1.000	-3.470	4.750

202	-2.180	-35.640	-19.110	3.260	3.330	-10.810	7.140	-0.490	-10.110	-18.310	-6.950	-1.560	-11.070	-8.130	-26.340	-8.960
203	-12.100	-20.060	-15.860	-22.550	-10.390	30.480	28.250	-14.210	-10.950	-13.380	31.560	-0.290	-17.250	43.240	7.280	-5.340
204	-12.830	5.070	-5.180	-17.020	-16.420	-8.150	-15.560	-15.190	-10.300	-28.800	-16.550	-10.310	-9.160	-14.340	-22.580	-16.070
205	0.990	-7.020	-4.660	-7.020	-12.020	-0.610	-10.740	5.410	1.340	-1.020	1.790	5.160	0.370	11.570	-7.020	4.490
206	-9.450	-22.860	-25.320	-71.350	-12.890	-5.240	-13.270	-20.740	-15.700	-27.010	-13.610	-15.110	-14.790	-17.680	10.790	-12.180
207	-1.870	6.990	19.010	168.660	-4.460	-2.370	-13.150	4.540	3.390	10.080	-0.610	-4.100	-2.330	-0.490	9.440	-6.020
208	-15.860	-1.530	-23.280	-32.400	10.070	-5.850	3.290	-10.350	-19.180	-22.060	-28.910	-22.540	-40.310	-7.070	-13.750	-23.730
209	-5.410	-3.070	-4.840	38.130	-39.500	-6.380	-33.740	-9.520	17.090	-2.790	2.330	7.130	-1.710	-0.560	-11.570	-2.070
210	-12.850	-17.610	-5.080	-28.440	-48.100	-18.330	-12.580	-15.050	-21.500	-12.410	-35.650	-11.990	-7.090	-15.660	-3.480	-13.130
211	-18.920	-20.490	-19.550	-10.560	-23.760	-22.300	-46.790	-24.010	-23.820	-7.070	-28.800	-9.810	-19.270	-1.230	-17.840	-6.730
212	-15.920	-23.050	-19.420	-22.210	-19.270	-19.720	-6.390	-25.470	-9.710	-24.330	-26.730	-11.880	-24.720	-4.940	-22.030	-19.000
213	-14.340	75.300	7.430	5.380	-13.450	-2.040	13.800	15.040	42.790	65.100	21.780	1.010	46.420	4.590	-28.100	11.170
214	-20.270	-31.290	-20.520	-35.340	-31.110	-31.840	-26.940	-34.350	-29.470	-29.090	-29.400	-27.000	-28.720	-16.000	-24.400	-24.680
215	6.150	21.750	25.750	37.220	4.230	7.550	-0.010	-0.370	-29.510	24.690	13.190	2.780	25.240	8.750	24.790	2.690
216	-28.900	-11.390	-22.050	-21.800	-11.900	-17.970	-3.750	-13.630	-0.230	-22.820	-14.980	-16.640	-13.660	-25.120	-29.300	-15.290
217	-24.570	-26.990	-16.330	-42.360	0.250	-19.780	-20.390	-25.760	-41.910	-27.600	-15.940	-25.170	-25.000	6.040	-22.710	-23.140
218	25.620	6.660	12.640	23.700	12.820	43.270	323.820	32.410	-6.250	-9.740	15.420	0.120	40.680	73.320	178.740	48.300
219	27.130	121.000	114.370	82.610	88.080	45.290	-3.140	116.280	123.530	83.050	99.590	71.710	123.200	41.750	17.350	58.670
220	32.090	-0.290	63.210	43.410	-12.970	-5.920	14.670	10.730	10.480	0.890	16.290	-0.050	11.890	64.540	-10.560	5.410
221	33.260	55.810	102.620	5.280	13.850	37.630	-15.050	56.020	78.460	97.580	44.750	62.300	65.720	-2.910	4.360	40.340
222	30.000	8.050	29.090	-11.960	-14.610	-17.000	-2.410	38.060	4.450	13.520	21.570	12.740	17.110	7.350	19.770	17.320
223	-5.200	-12.700	2.720	-14.760	-10.200	-4.460	2.490	-1.780	-17.410	0.260	-5.420	-12.360	-0.840	-5.420	-4.510	0.970
224	6.440	12.200	5.400	88.260	26.860	7.650	12.540	5.590	34.560	11.840	23.310	3.430	12.710	12.440	21.480	-12.550
225	31.550	43.720	34.950	-2.030	45.550	38.450	1.350	43.700	1.350	70.260	26.900	21.140	23.670	-4.730	3.490	44.620
226	-6.880	3.480	-18.020	-4.540	-4.250	-9.590	-1.190	-26.440	44.640	8.300	-12.960	8.160	28.960	21.090	-4.550	-0.760
227	-2.420	-6.550	10.030	-0.660	-0.990	20.350	3.680	-1.500	28.170	30.930	-11.640	-0.870	-19.520	-8.660	11.380	12.780
228	22.590	4.800	-3.600	-8.300	-2.410	20.860	-10.650	3.810	-5.950	-3.120	-6.190	-3.990	20.540	8.900	-5.950	-6.260
229	-3.910	-2.150	-8.980	-2.150	5.810	-2.150	-2.150	13.660	-2.150	-2.390	30.650	-3.730	-9.430	-4.660	-12.880	-7.180
230	27.470	23.320	10.760	19.310	14.010	-0.580	-0.580	53.390	-0.580	27.720	-3.140	21.820	7.710	7.710	3.680	27.660
231	3.790	5.220	26.970	26.900	6.600	-1.570	0.330	0.330	0.330	10.530	3.670	5.760	38.910	-2.910	8.040	1.340
232	0.940	-5.010	-1.220	14.460	-4.380	-9.810	-3.920	-0.450	0.400	17.300	11.560	31.290	4.420	1.490	28.210	25.500
233	2.890	9.600	-11.070	-8.900	-3.890	-3.890	-3.890	-1.180	-3.890	-3.320	-3.890	3.340	-6.280	2.810	-0.200	-8.210
234	25.980	-9.330	8.030	-8.130	-2.600	-14.000	1.010	-8.380	-6.860	-7.320	-3.460	1.380	7.490	14.480	3.670	23.740
235	-27.350	-18.550	-39.010	-13.210	-10.130	-65.430	-10.220	-3.240	-51.890	-19.540	-14.740	-4.000	-21.350	-18.790	6.620	-6.230
236	1.830	56.410	18.160	20.390	7.280	6.610	2.740	18.870	-16.320	33.300	4.460	-3.170	-0.860	1.900	3.490	7.590
237	22.400	9.810	32.840	42.800	16.100	0.220	0.140	16.310	.	66.370	49.360	12.290	-9.460	20.260	9.510	15.130

Case	ARCELIK	FOTOSAN	MTAKIM	TDDOKUM	TPRYSKAB	ECZBSYAT	KAVPDAN	KOCHOLD	SISECAM	ISE	PPI	CPI	US\$	EURO	INTEREST
1	-2.150	0.280	-16.100	17.220	-10.330	4.721	-8.295	-2.029	-7.805	7.800	0.800	1.000	-0.400	-1.800	0.788
2	-3.750	-0.940	56.430	-5.000	8.160	-5.514	9.558	12.213	-5.585	4.400	1.000	0.900	2.000	2.900	-0.490

3	2.850	12.420	-1.400	39.240	0.210	24.242	5.304	5.224	25.278	9.900	-0.700	-0.600	-0.900	-0.700	0.394
4	12.180	5.180	1.600	-3.400	18.460	19.168	-15.940	3.350	20.803	6.800	-0.500	0.100	-1.600	-3.800	4.956
5	25.640	12.050	41.710	22.440	22.490	3.546	8.630	15.917	12.649	7.000	0.200	0.900	-2.100	-6.700	0.571
6	-21.460	-11.330	-22.700	-6.260	-24.180	-16.557	21.943	-14.292	-12.536	-7.700	1.200	0.700	2.800	2.900	-0.875
7	-14.360	-10.030	-17.690	-9.900	-16.740	-10.107	-25.213	-18.451	-23.208	-10.000	1.300	0.300	5.300	2.900	-1.769
8	3.990	3.990	-4.500	6.730	15.900	5.604	2.078	4.593	7.066	3.900	0.100	0.000	-3.800	-2.000	-5.314
9	6.660	8.390	-10.990	38.720	12.940	4.153	4.290	-0.003	11.029	9.400	-0.400	0.600	-1.700	-6.100	-4.218
10	12.960	12.810	-30.540	25.200	-1.260	10.703	4.773	18.191	16.728	11.100	0.100	0.400	-5.200	-2.700	-3.538
11	-11.300	-11.880	6.870	12.000	-1.590	1.405	-4.652	-9.576	-3.778	-1.800	0.800	1.500	-3.000	0.800	0.578
12	3.590	0.990	-4.000	2.320	11.110	7.118	4.415	3.586	11.109	4.300	3.200	2.200	-1.800	1.600	-0.044
13	12.460	5.690	40.770	5.210	2.000	20.590	-1.862	8.320	-0.435	8.600	1.800	0.900	-0.300	1.800	-4.501
14	-2.630	-0.100	-5.670	4.150	-4.240	7.388	5.806	5.111	8.161	4.300	0.800	0.600	2.700	3.100	0.857
15	8.140	4.060	9.830	5.850	-0.500	4.226	-4.041	14.093	14.134	7.900	-1.500	0.200	-1.200	-1.900	1.039
16	5.790	4.620	-2.550	8.650	-4.580	1.949	0.004	9.760	12.584	5.200	-1.100	-0.100	-0.700	-1.400	0.917
17	-12.510	-10.160	-19.520	-11.920	-11.000	-6.125	-15.055	-10.026	-7.081	-5.200	0.000	0.400	5.300	7.700	1.823
18	-15.350	-5.870	-6.250	-19.930	17.950	-17.286	41.386	-21.869	-13.481	-10.700	2.600	0.600	8.200	5.700	-0.487
19	10.130	21.240	6.870	1.650	15.440	19.011	10.210	5.616	10.789	6.900	2.100	0.900	-0.800	-2.300	-6.457
20	17.410	1.190	30.380	9.910	-0.130	-1.860	-0.935	1.188	21.768	9.400	1.600	0.600	-1.200	-1.000	-7.291
21	-12.490	1.440	-1.470	-2.510	-2.740	10.889	-14.846	-7.256	9.792	-7.300	2.600	0.700	-4.000	-5.800	-6.394
22	28.300	29.190	22.230	34.920	23.990	30.354	74.084	37.921	44.783	27.400	0.600	0.900	-5.200	0.300	-0.215
23	-9.750	-6.950	6.140	-7.090	19.710	-2.285	7.565	-9.834	-10.358	-7.200	1.700	1.600	-0.600	1.900	-0.853
24	28.710	22.350	8.010	23.480	0.420	6.746	1.819	17.153	8.813	20.700	0.600	1.400	6.800	6.500	-11.286
25	7.870	32.410	-4.300	3.200	3.430	6.197	2.404	18.834	11.976	12.400	0.100	1.900	-0.600	6.300	-7.871
26	14.330	6.910	1.370	11.730	-4.020	9.475	1.366	16.571	8.738	9.800	-0.200	0.200	-1.300	-4.900	-8.795
27	-13.390	3.670	-27.000	-0.860	-5.320	-6.818	-8.091	-3.512	-3.794	-2.900	-0.500	-0.400	0.300	-0.700	-4.720
28	-9.230	-0.830	-7.410	-11.720	-7.670	-10.809	-10.058	-3.795	-6.265	-4.400	-1.900	-0.200	-0.900	-4.200	-5.532
29	13.480	9.780	53.040	27.970	13.000	9.541	12.454	8.993	11.603	-1.100	-0.600	1.600	-9.400	-3.600	-6.467
30	43.370	28.030	36.370	34.340	48.130	30.569	30.411	24.645	29.456	21.500	1.800	2.100	-7.800	-5.800	-1.580
31	-25.890	-17.390	-34.590	-17.920	-25.090	-22.371	-24.397	-28.621	-22.974	-18.100	3.200	3.100	7.000	8.100	0.242
32	2.960	4.470	0.940	2.960	-3.690	9.707	6.841	5.897	17.211	4.900	3.100	2.300	-2.900	-3.200	0.110
33	11.830	21.740	21.740	25.750	-8.590	9.209	18.081	1.711	5.109	6.400	5.600	2.600	-0.300	2.900	0.487
34	-23.920	-30.090	-22.890	-35.010	-0.520	-29.143	-32.041	-26.583	-36.206	-22.000	2.600	1.600	6.800	12.700	-0.812
35	54.000	45.020	15.050	35.350	41.430	40.578	42.841	34.210	47.071	29.700	1.600	2.900	-7.600	-7.100	-6.736
36	11.680	2.950	8.300	35.010	5.750	16.674	15.208	13.686	25.498	15.900	3.100	3.300	0.700	1.000	0.000
37	-4.160	-10.090	-21.410	-9.040	-14.740	-38.917	-16.241	-6.298	-13.225	-7.400	3.100	3.500	1.800	1.700	0.226
38	-7.190	-5.490	4.120	4.120	17.420	42.484	0.935	-9.760	17.875	-6.700	2.100	2.200	-4.000	-3.400	0.000
39	6.890	-0.960	-14.800	7.940	-2.270	5.961	-7.991	12.437	-1.475	9.100	2.700	1.400	7.600	5.900	0.640
40	5.340	-1.930	-12.720	-21.090	-7.440	-15.145	-11.052	-3.697	-16.688	-9.900	1.200	0.600	9.100	15.700	0.415
41	3.140	-13.450	29.670	-24.220	-11.790	-18.009	-15.650	-7.380	-17.837	-9.000	0.400	0.600	8.000	12.200	-2.841
42	-5.240	-2.740	-9.600	20.530	-6.250	-4.265	3.968	-8.828	3.792	-2.000	1.800	2.100	-0.400	3.000	-7.510
43	22.030	-5.400	-7.490	13.970	-12.030	0.468	1.821	16.112	5.363	5.600	1.900	1.200	-3.500	-2.600	-7.435

44	-18.500	10.140	-16.290	-27.560	-20.770	-21.321	-24.135	-23.067	-30.363	-16.600	2.600	1.800	6.200	6.300	-1.277
45	-5.990	6.670	-2.140	25.760	5.270	3.718	-3.166	3.027	8.381	-3.800	4.200	5.300	-9.300	-11.200	-1.773
46	30.120	27.460	134.510	22.870	5.590	21.137	33.269	16.144	26.353	18.500	4.100	3.200	-2.300	-3.500	-1.516
47	23.080	19.930	-7.260	40.150	35.150	36.543	7.696	26.590	46.716	18.100	4.200	4.200	-7.100	-8.400	-6.037
48	54.540	14.390	43.500	53.490	35.530	26.059	52.587	38.055	24.551	29.100	6.700	6.100	4.500	3.300	-2.032
49	-33.180	-41.230	-20.500	-36.420	-31.500	-35.576	-39.091	-35.769	-35.945	-22.800	5.400	5.900	11.800	11.700	-0.468
50	-3.690	-10.570	-28.910	-9.640	-0.470	-4.210	-8.871	-10.704	-3.885	-0.400	3.500	2.900	2.700	7.200	-1.589
51	-18.710	-3.740	34.740	-25.760	-12.890	-16.455	-13.670	-12.599	-18.376	-11.500	3.300	2.400	5.600	9.000	0.388
52	0.700	5.030	-21.770	-11.740	6.980	-5.117	-5.117	-6.596	-1.456	3.000	2.900	3.100	3.900	4.000	-4.077
53	-10.770	-9.930	-24.540	9.100	-33.680	-21.586	-19.649	-13.827	-28.414	-12.000	6.300	5.100	6.000	1.100	-22.520
54	39.890	43.530	19.610	9.490	27.540	26.194	24.890	49.000	16.824	54.200	14.400	10.300	11.500	12.200	-27.491
55	-11.540	-10.780	-17.990	-11.090	-5.690	-4.954	-3.565	-15.515	-6.526	-8.700	10.100	6.100	10.800	5.800	-63.836
56	-43.720	-41.120	-16.060	-44.670	-44.990	-44.176	-52.461	-34.544	-43.308	-17.700	2.600	1.800	35.600	36.400	56.764
57	16.190	2.580	-33.250	-1.020	2.450	-1.020	17.213	23.290	6.898	13.200	2.300	2.500	1.000	1.400	-36.527
58	-10.140	-3.670	-2.930	-13.470	-9.530	15.650	-14.218	13.536	3.658	7.900	1.900	2.500	-1.600	4.100	66.019
59	-40.980	-37.710	-54.600	-38.010	-30.520	-33.071	-47.738	-41.451	-35.605	-35.400	2.400	3.700	0.100	2.300	17.884
60	38.060	43.590	2.440	20.890	10.480	20.964	10.069	45.905	19.234	19.300	2.800	3.100	2.800	-1.500	-2.445
61	-26.660	-17.530	-24.670	-23.640	-19.670	-20.233	5.089	-20.914	-13.045	-13.600	2.300	3.100	1.900	0.500	38.489
62	-14.930	2.860	-0.600	-4.750	-15.440	8.694	-2.629	-7.753	3.273	-5.300	0.900	2.200	2.700	-0.600	-14.884
63	-24.000	4.990	-9.910	16.610	0.160	-7.424	-11.159	-15.709	-2.400	-4.100	1.000	2.200	2.500	-0.400	-17.077
64	13.390	-5.170	-16.850	-17.920	-2.040	-18.777	-12.126	-16.112	-10.182	-10.700	0.300	0.700	0.900	2.900	12.081
65	-23.240	-14.780	-16.090	-16.470	-15.310	-27.107	-10.886	-16.000	-25.415	-15.600	1.700	2.200	1.200	2.700	-0.077
66	52.900	31.570	7.330	42.320	20.090	18.655	-4.832	-8.564	11.207	20.600	2.400	2.300	3.100	-0.400	0.988
67	-5.460	4.490	-4.050	-3.880	38.410	-7.618	20.594	15.112	7.022	-0.200	3.100	2.900	2.700	1.300	-7.390
68	-9.660	-4.750	-17.750	-19.880	-24.270	-10.404	-11.448	-9.205	-19.428	-4.600	4.100	3.700	3.100	1.100	-0.741
69	-0.950	12.390	114.480	-24.570	3.420	48.753	12.188	13.194	18.733	9.900	5.800	4.900	3.800	0.900	-41.964
70	40.200	95.610	45.850	134.430	94.400	83.444	96.512	45.104	104.212	79.800	6.800	5.900	4.400	4.600	2.356
71	27.180	49.840	17.380	48.950	9.420	4.913	2.401	26.682	19.439	29.000	4.100	4.200	7.400	2.900	-0.817
72	15.920	9.870	3.850	11.140	23.380	12.380	0.639	4.984	4.189	8.000	4.700	6.300	3.800	3.800	-1.265
73	38.710	18.640	25.900	39.240	22.560	23.935	48.469	26.163	8.582	21.000	5.900	6.000	3.700	4.800	-6.789
74	-27.490	-24.290	-18.820	-15.630	20.110	-17.636	-22.593	-22.211	1.951	-13.600	3.300	4.200	4.100	1.900	0.364
75	44.020	-4.690	-5.080	15.030	7.820	2.372	-6.974	55.628	3.230	17.300	4.000	3.800	1.800	4.900	-0.298
76	11.070	-10.330	-21.950	-29.070	-9.090	11.710	-2.021	-16.364	-20.124	-2.300	1.800	3.300	3.900	2.800	-0.682
77	-19.210	-11.840	-9.770	2.820	4.030	-17.872	5.767	-16.972	16.551	-5.300	3.200	3.200	3.800	2.600	-0.039
78	19.300	-5.720	0.650	16.540	-4.210	-10.432	20.957	43.957	3.567	17.600	5.300	4.600	6.100	3.100	-1.671
79	33.290	25.790	-1.590	-1.520	-11.340	35.029	13.787	9.933	27.664	17.000	4.000	4.100	4.400	3.200	0.933
80	25.660	30.610	35.710	4.720	1.790	41.369	0.046	52.679	37.085	51.500	3.400	3.200	6.100	2.600	-0.924
81	-31.280	38.360	-16.890	-14.730	5.010	-15.056	28.301	-13.868	-19.831	-1.100	3.600	4.800	5.500	2.800	0.637
82	-0.400	-6.640	-9.990	34.850	37.600	62.402	10.082	-7.058	17.392	0.800	2.500	3.300	3.800	6.000	-2.168
83	25.930	-4.080	-0.670	1.550	7.210	113.746	5.498	1.574	-2.508	17.400	3.400	4.300	5.900	3.200	1.608
84	-1.530	-1.480	-17.280	-19.470	-4.310	-14.296	-7.150	-11.380	-32.441	-3.100	4.100	6.100	3.100	4.000	-0.854

85	0.240	-12.290	-13.710	-22.030	-13.580	-17.107	-3.337	2.002	-21.740	-14.000	5.300	6.700	-0.200	6.800	12.929
86	-45.170	-50.110	-46.220	-31.530	-38.620	-57.966	-48.753	-43.580	-37.169	-39.000	2.400	4.000	3.100	1.600	6.911
87	-9.110	-2.940	19.820	10.740	-15.100	3.094	24.674	-6.902	-1.202	5.400	2.500	3.400	1.200	3.900	-9.043
88	12.220	-5.150	-6.180	0.950	2.950	21.080	-1.133	2.422	1.109	10.000	1.600	2.400	3.600	2.100	-5.768
89	-24.390	-21.770	-9.360	-26.360	-7.510	27.170	-10.526	-9.851	-18.743	-11.100	3.300	3.500	3.000	3.700	-1.092
90	29.200	23.380	11.800	33.650	29.880	43.298	15.269	33.390	38.021	28.700	4.000	4.700	3.200	5.100	0.374
91	10.730	7.450	-5.090	-5.090	1.380	-3.731	1.504	-2.556	-10.251	-0.400	4.000	4.300	5.400	4.800	-0.373
92	-11.180	-21.130	-25.690	-19.240	-30.080	-16.930	-24.999	-25.199	-11.032	-7.800	4.600	4.400	6.700	4.700	-0.460
93	-6.860	-12.720	-13.860	-16.050	9.470	-4.408	-11.306	-7.364	1.359	2.800	6.500	7.200	4.600	4.900	-0.102
94	6.860	6.930	6.200	-22.350	-9.830	-3.017	-0.334	-1.406	2.968	19.900	5.400	5.100	5.800	4.200	0.128
95	-21.640	-11.240	-14.280	4.300	-18.200	-9.233	-10.755	-5.863	-17.222	1.200	5.600	6.600	7.400	4.200	2.666
96	-10.660	13.630	22.280	-0.130	-1.460	0.992	-4.122	0.236	25.840	9.800	6.700	8.300	4.300	7.200	0.316
97	25.910	26.260	14.040	43.790	11.330	21.860	12.230	47.139	30.723	31.000	6.300	7.300	4.300	7.000	0.344
98	-8.250	4.530	-13.130	-8.700	2.470	-12.989	-8.599	5.692	-14.791	1.400	5.300	6.200	4.400	5.800	7.139
99	-19.190	9.900	1.910	3.440	7.140	2.184	-17.262	2.914	-2.729	5.200	5.300	6.300	6.700	2.200	0.128
100	20.850	-3.610	27.480	9.810	-2.890	11.821	25.151	11.028	23.389	16.400	3.400	2.900	6.500	3.500	-0.325
101	42.010	19.420	-8.080	-9.670	-3.540	-16.125	-9.727	5.751	-5.178	11.800	5.200	4.700	3.700	5.300	-0.296
102	-10.350	-19.420	-28.820	-24.000	-19.510	-18.597	-20.249	-23.008	-24.197	-11.500	5.500	6.600	6.600	3.200	0.198
103	-20.220	4.230	-19.590	-2.100	-2.430	-17.756	12.438	-9.210	-11.097	0.100	6.000	5.400	3.900	4.600	-0.812
104	-15.500	-2.480	-6.590	0.080	-11.430	3.124	0.885	-9.036	-1.450	0.400	6.200	5.700	5.500	2.500	-2.990
105	93.280	47.060	57.150	27.340	22.420	40.134	36.043	80.013	52.726	64.500	5.600	5.900	7.300	1.800	-3.247
106	8.870	-0.460	-3.780	12.190	15.170	8.922	8.299	-14.032	-4.983	6.400	3.900	3.400	6.100	4.600	0.702
107	-4.960	21.540	-3.510	41.930	-10.470	-5.952	5.379	3.948	12.662	11.900	5.100	5.200	6.300	4.600	0.653
108	-5.600	17.000	20.420	22.020	0.210	7.157	-5.740	36.794	-5.587	13.200	5.500	6.500	4.800	5.800	-0.530
109	17.620	3.100	10.670	6.760	2.640	11.083	-3.354	17.377	-12.006	12.300	5.100	6.100	6.000	2.800	-0.264
110	12.880	-7.990	0.630	-20.930	-7.320	-1.658	-12.814	2.532	37.843	1.800	3.800	4.800	3.400	3.400	0.185
111	-15.020	-10.880	-3.890	-8.990	-10.610	-11.638	-9.745	-18.043	9.903	-10.100	2.400	2.100	2.200	5.300	-0.145
112	15.510	6.180	9.430	-11.340	5.930	13.251	18.090	14.326	19.685	15.300	2.700	2.500	4.400	4.800	-0.198
113	4.780	-1.740	-13.380	-9.040	-21.290	-30.375	-22.605	-26.674	-3.318	-5.500	4.100	4.500	4.800	4.700	-1.431
114	-12.070	-1.120	-24.560	-5.000	8.300	-26.591	-13.814	-2.791	-16.667	-3.500	8.100	6.700	5.300	1.900	-4.557
115	19.620	49.240	12.800	-4.860	8.020	20.220	28.508	53.638	17.670	10.700	7.000	5.600	7.600	6.000	-3.383
116	6.950	1.910	21.200	8.270	43.680	-17.684	24.210	7.649	20.372	22.300	5.800	4.500	5.000	7.200	-2.286
117	29.820	39.460	7.650	19.070	17.050	100.484	12.543	29.360	22.674	23.600	9.700	8.300	2.200	-1.500	1.960
118	-19.380	-13.740	-19.230	-15.380	-1.490	-13.550	-15.379	-11.148	-26.646	2.300	4.300	3.800	12.500	12.700	13.345
119	-40.500	-29.850	-22.250	-20.270	-25.730	-8.814	-30.994	-20.511	-11.495	-15.600	3.500	4.700	6.800	4.800	22.588
120	5.740	3.300	3.610	-2.900	4.830	5.507	21.333	11.572	7.615	11.100	3.700	6.300	4.400	5.300	-0.970
121	2.090	-9.020	14.470	-20.420	-1.880	-18.434	-19.723	-22.298	-22.464	-7.600	4.600	7.700	1.900	5.300	3.578
122	-12.060	-0.560	-40.760	-12.770	-19.630	-29.063	-9.286	-25.013	-8.225	-13.100	2.300	4.300	6.400	0.400	0.686
123	3.200	17.320	0.520	28.160	12.250	-2.230	54.803	-5.601	6.936	7.700	2.300	3.100	2.300	3.100	-6.496
124	2.600	21.120	-9.650	14.050	0.620	-11.178	8.979	13.919	-9.248	1.800	1.300	2.600	3.200	2.700	-0.764
125	8.050	-12.240	-14.810	2.070	-0.420	40.580	44.032	6.794	4.150	1.600	1.900	3.300	0.400	-0.500	0.883

126	17.330	45.820	12.630	9.850	-15.730	10.205	6.465	8.276	34.560	17.000	5.100	5.800	1.200	2.900	-3.651
127	13.360	26.250	17.870	52.810	87.720	56.434	16.381	29.250	45.154	36.800	5.500	4.500	1.500	5.700	-10.060
128	-2.950	-9.910	17.810	-15.010	4.720	25.667	12.203	-11.084	40.418	15.400	7.100	4.900	1.900	5.900	-1.629
129	-17.250	-15.790	-26.320	-11.490	-15.460	-18.940	0.322	-11.564	4.062	-7.400	10.200	7.100	5.100	8.100	18.239
130	-12.050	-4.460	-20.090	11.600	-10.430	-8.570	-17.834	-0.201	7.153	-3.300	8.300	6.300	5.800	6.200	3.345
131	6.020	4.100	45.340	13.510	-2.660	19.661	42.832	15.774	15.573	13.200	6.400	8.100	1.400	-3.000	20.205
132	-9.500	-27.220	-44.160	-14.640	19.940	-24.186	-12.521	4.069	-18.916	-7.200	6.900	9.500	5.200	9.000	-8.516
133	2.250	-24.170	-11.420	19.200	1.810	-13.337	5.149	-18.684	13.442	6.100	5.400	7.200	3.300	5.200	-0.165
134	28.360	50.610	58.380	5.610	16.160	54.432	-2.508	-18.853	7.577	16.200	2.700	2.000	6.200	7.400	-15.514
135	-1.760	55.370	43.860	4.030	7.320	28.605	-1.290	26.683	19.713	10.000	0.900	1.700	-0.500	-1.400	-43.718
136	-6.490	-1.240	64.520	-10.400	55.560	66.916	88.431	61.506	65.017	34.000	1.900	0.900	-1.800	2.200	-3.521
137	31.370	-21.430	-38.330	10.180	-0.250	-7.347	3.937	25.700	-10.196	-2.300	9.000	10.000	-5.000	-3.300	2.213
138	-30.940	-39.180	-39.170	-51.710	-17.440	-34.608	37.830	-26.206	-32.802	7.200	32.800	24.700	50.900	51.300	62.616
139	-28.580	-21.800	-57.360	-28.430	-31.770	-46.874	-48.446	-44.163	-24.917	-6.100	8.500	5.200	21.200	23.700	4.005
140	-9.110	-36.920	-26.860	-20.910	-29.640	-36.835	-28.446	0.390	-44.329	-25.400	10.100	6.000	6.100	7.000	21.863
141	-7.230	-12.140	-24.860	-5.450	-9.770	-27.494	-11.477	-25.703	-7.242	-2.800	5.300	4.400	19.000	19.200	6.562
142	0.120	39.220	55.160	2.000	12.720	46.694	9.523	19.081	13.291	9.000	2.900	3.600	5.400	4.300	-0.038
143	-9.390	17.920	123.220	7.130	20.750	35.350	37.793	10.392	23.132	30.900	6.400	6.400	6.000	3.800	0.095
144	22.290	-6.680	-24.700	-12.600	-2.790	-28.452	-11.640	2.005	-9.533	-3.800	3.600	6.900	7.200	2.900	-0.019
145	19.980	-1.130	6.950	30.320	17.850	37.258	14.239	22.960	17.630	22.000	4.000	5.600	2.900	6.300	0.057
146	11.690	8.460	41.720	11.690	13.480	13.451	18.102	3.524	46.151	22.600	3.800	2.700	2.600	6.100	0.019
147	-11.580	-17.550	4.380	-18.950	-19.340	-29.316	-30.414	-11.986	-23.521	-6.500	4.700	4.900	5.400	3.600	0.000
148	25.790	-6.230	77.590	-8.140	10.320	10.716	24.107	7.835	116.640	28.700	2.300	1.800	6.600	1.900	-0.019
149	8.790	1.520	46.580	36.470	-17.390	1.482	-7.950	-9.755	-1.859	7.300	2.900	4.700	5.500	2.800	0.038
150	47.540	102.880	33.370	5.200	15.750	41.219	5.476	111.479	0.266	33.200	2.600	4.400	2.100	5.500	0.133
151	-9.170	6.130	-12.640	-1.520	-3.350	-24.435	55.121	4.087	-8.024	-1.000	4.800	4.800	3.500	3.500	-4.022
152	23.780	62.250	24.080	27.740	33.230	31.236	34.954	12.118	55.725	35.200	5.200	4.000	4.800	1.700	-4.700
153	-0.310	9.040	-1.870	4.470	-1.870	-15.584	-1.866	-0.669	13.003	9.500	5.000	5.300	1.900	3.900	0.104
154	3.060	24.450	-3.210	16.910	12.920	-2.156	6.720	-2.013	-6.055	5.800	3.600	2.700	3.300	2.700	0.104
155	-7.940	-5.350	-15.870	-2.830	-7.550	13.087	-5.351	-4.168	-10.609	3.900	3.500	4.900	5.700	1.200	0.824
156	-17.890	-12.870	-26.940	-21.330	-16.370	-18.315	-22.536	-22.205	-11.560	-8.400	5.500	7.600	7.100	-0.200	-0.088
157	-8.070	-13.280	5.540	-13.370	-7.500	-20.004	-1.547	-21.273	-6.112	-4.400	6.300	7.400	3.800	1.900	0.105
158	-5.330	0.110	-15.900	-5.610	-10.610	-3.527	-4.058	-1.973	-7.038	-2.500	4.800	3.800	-0.100	5.700	-1.519
159	-4.770	-8.210	-6.440	-0.330	70.270	-23.550	-27.025	-19.476	-11.161	-3.200	1.800	1.300	2.800	5.200	-0.822
160	40.010	67.380	12.810	57.370	30.880	13.405	39.235	41.176	4.333	33.700	0.200	0.500	0.200	7.300	-0.017
161	-20.570	-15.340	-26.250	-22.660	-22.790	-19.630	-15.660	-5.763	-26.538	-10.600	0.700	0.900	4.000	5.600	0.724
162	-14.180	14.040	-35.460	2.710	3.900	-23.304	-34.812	-6.605	-32.824	-9.600	2.200	3.800	5.600	5.200	1.933
163	0.410	19.670	24.950	12.940	6.380	10.088	15.510	11.567	3.757	11.300	4.300	4.900	6.700	5.900	0.070
164	-28.640	-33.740	-44.730	-36.930	-34.520	-40.119	-39.807	-34.347	-29.971	-25.600	5.200	5.000	6.600	4.100	-0.889
165	10.530	-8.500	40.010	7.310	-1.940	14.191	25.209	20.659	26.143	12.700	11.000	9.400	8.100	2.800	-1.103
166	13.910	31.440	7.860	23.890	33.940	16.269	27.434	2.074	-0.885	7.700	4.400	4.400	0.900	7.200	-0.206

167	45.760	84.560	-22.590	52.960	81.110	43.398	21.582	45.758	38.060	47.700	3.900	5.200	2.100	6.500	0.415
168	-8.250	-10.070	11.360	22.660	-12.890	-19.005	-15.127	-6.258	-4.175	-6.500	3.500	6.600	4.400	4.600	0.748
169	-13.520	-15.480	-2.920	-21.910	-17.480	-10.955	-0.357	-15.355	-20.760	-11.000	4.400	6.100	2.500	6.200	6.782
170	-2.650	-5.750	-15.950	2.650	-4.490	-8.469	-12.545	-11.192	-8.310	8.500	4.700	4.000	4.700	4.300	2.028
171	-2.110	-33.870	-32.020	-17.850	-21.690	-12.988	-27.780	1.448	-29.066	-15.200	2.200	1.300	2.200	5.300	1.189
172	8.800	15.130	-5.850	23.760	-2.860	-2.293	17.693	5.526	4.140	-1.100	1.400	3.000	6.200	1.200	0.327
173	18.020	4.390	-16.360	17.100	22.960	39.785	3.326	0.635	-12.964	2.000	2.900	3.300	2.500	6.300	7.466
174	-22.210	-30.950	-37.340	-33.420	-32.860	-36.770	-36.086	-20.850	-30.447	-21.400	5.400	6.600	6.400	2.900	5.177
175	-14.780	-6.780	-36.130	-21.780	-24.960	-15.004	-19.971	-18.904	-28.294	-11.400	4.900	4.400	11.600	-0.900	8.779
176	26.630	-10.450	4.130	4.660	7.610	1.878	-1.635	3.682	-6.319	21.100	5.300	5.400	9.500	7.600	5.624
177	61.080	79.270	66.120	100.720	44.530	99.999	77.632	38.059	-0.432	29.400	4.600	4.900	3.100	4.300	3.412
178	-18.560	-11.170	-29.750	-7.910	-11.920	-9.931	-11.002	-8.263	0.558	0.000	2.500	1.700	5.000	3.100	2.436
179	-21.530	-41.560	-23.350	-29.480	-34.600	-35.361	-34.758	-33.363	-25.959	-28.700	2.800	5.000	1.300	4.100	2.275
180	-6.110	-30.160	9.430	-12.720	-16.000	21.930	-18.920	-15.995	-10.606	-10.100	4.600	6.800	1.300	3.800	1.540
181	-6.390	4.070	-9.680	-15.210	-0.770	-8.546	-11.323	-2.866	48.670	3.000	5.800	8.700	1.900	1.000	0.276
182	-12.900	-14.430	7.890	-9.010	-21.770	23.867	-21.103	-18.156	-6.107	-8.300	4.400	2.500	0.700	4.300	0.083
183	29.640	47.550	24.470	39.250	56.100	166.410	31.446	157.057	43.959	30.300	1.700	-0.900	0.800	4.400	0.083
184	26.480	-2.190	-3.930	1.370	1.890	17.378	-6.918	27.708	24.714	7.300	1.500	1.400	2.200	3.000	0.527
185	50.260	33.210	2.850	38.150	11.250	28.835	28.409	23.890	2.465	16.400	1.500	3.100	2.700	4.000	0.083
186	-13.700	4.310	53.290	1.410	21.480	69.290	-5.676	6.648	6.625	0.400	2.400	6.600	1.700	1.600	0.083
187	-10.230	-2.900	-10.770	-2.900	-13.120	12.810	-10.226	7.723	0.490	-6.300	4.200	5.200	3.000	2.300	-0.800
188	17.410	4.970	22.250	-7.350	-19.280	1.971	1.295	-0.981	-36.735	-3.400	4.600	4.400	2.600	2.000	-2.711
189	19.990	32.940	49.280	80.280	70.000	41.804	35.318	67.157	160.155	64.200	4.400	3.800	1.900	2.200	-5.022
190	63.730	65.250	56.540	46.750	20.660	78.671	57.535	60.960	25.070	47.100	4.900	2.300	-0.100	5.800	-5.447
191	10.660	6.470	-1.980	-7.780	-13.170	2.863	-13.313	13.403	-13.393	-9.400	4.200	4.300	0.400	3.500	-0.813
192	22.320	31.660	6.950	8.310	4.010	0.919	17.132	2.694	34.032	12.800	2.800	6.200	2.400	5.200	-0.900
193	38.020	57.200	155.090	58.370	134.590	94.128	53.169	77.123	82.262	68.400	2.500	5.600	1.300	4.700	-0.095
194	19.390	12.480	16.910	9.650	17.870	57.627	24.730	26.838	18.700	25.000	2.600	3.500	2.900	-0.500	1.514
195	6.460	-8.340	-0.490	-22.810	-13.440	-21.076	-3.889	-5.115	-19.146	-11.900	5.100	3.000	0.500	3.800	-0.072
196	13.370	31.600	48.910	21.290	19.190	8.230	12.933	27.638	49.282	21.700	3.200	2.100	2.100	5.400	-8.542
197	39.660	11.490	17.870	21.520	30.560	48.514	12.558	30.275	27.951	22.500	4.400	3.000	1.000	-5.700	-5.792
198	5.430	-1.510	3.580	5.800	14.680	5.178	36.445	12.464	-5.250	14.600	5.300	6.200	2.400	3.100	-4.580
199	-10.900	-16.190	-5.780	-12.150	-19.830	-7.670	-19.105	-14.540	22.641	-4.300	3.700	3.000	5.100	0.800	-8.225
200	23.130	19.970	8.430	26.870	25.800	30.772	11.532	17.589	34.187	28.200	3.700	4.800	2.500	5.700	-2.680
201	-5.990	-5.210	-24.450	-7.570	-5.760	12.248	-2.912	-0.194	5.309	1.600	7.200	6.600	3.600	-0.800	-5.624
202	-10.380	-9.510	-2.180	-8.050	-18.640	-4.400	-12.711	0.376	-6.429	-7.900	4.100	2.500	2.200	-1.100	-1.314
203	10.550	10.280	-12.910	-10.700	-20.330	-0.832	9.874	-2.804	-16.262	0.500	5.500	5.300	5.600	8.000	2.181
204	-1.940	-2.880	-12.450	-14.800	-9.480	-8.476	-0.156	-12.834	10.852	-11.200	4.800	5.600	2.000	8.400	70.286
205	-5.030	12.440	-7.020	5.030	-16.060	-4.909	-7.022	-1.553	9.106	6.300	4.600	5.900	7.600	6.700	0.000
206	-10.180	-13.380	-9.560	-17.750	8.210	-17.571	-15.544	-17.432	-3.008	-13.200	3.400	2.400	6.800	6.000	-12.500
207	-30.940	1.980	14.220	0.720	-14.800	4.889	-1.894	3.390	-3.502	5.100	2.700	1.600	3.600	1.700	0.000

208	15.720	-15.350	-16.650	-20.830	-30.260	-7.721	-18.352	-13.027	3.032	-15.200	0.800	0.900	5.000	-0.400	0.000
209	-2.020	-8.330	-0.650	5.380	-9.070	-7.103	12.438	-17.373	-9.727	-0.200	1.300	3.500	4.400	0.900	0.000
210	-15.620	-22.240	-21.030	-15.540	-18.640	-16.176	-10.538	-22.713	-30.288	-12.800	4.500	6.200	3.600	3.500	0.000
211	-21.340	-23.750	24.720	-14.330	-6.300	-12.804	-25.446	-24.277	-22.080	-11.900	6.900	5.500	3.800	4.900	0.000
212	-26.470	-8.430	-33.000	-25.320	-14.870	-24.735	-19.141	-25.796	-25.905	-16.000	6.200	3.700	5.700	4.500	42.857
213	36.120	7.530	-52.940	9.810	0.290	7.730	9.111	12.930	-3.671	27.500	6.900	6.000	9.300	4.500	0.000
214	-36.640	-23.970	-4.960	-28.350	-24.590	-24.921	-42.536	-26.775	-31.861	-24.500	10.800	11.200	5.200	9.400	0.000
215	17.980	6.860	9.240	25.130	7.680	-10.622	26.196	-0.046	32.476	13.400	2.800	6.200	1.700	8.700	0.000
216	-17.040	-19.590	-20.940	-27.140	-19.390	-7.969	-22.842	-15.493	-35.829	-23.600	3.500	4.800	2.200	6.100	0.000
217	-27.790	2.480	-41.000	-20.140	-10.920	-10.792	-17.515	-23.254	2.933	-10.400	2.100	2.900	4.100	2.600	0.000
218	-8.320	-1.890	107.660	-4.870	-6.970	147.226	-11.705	38.784	76.590	13.500	2.800	1.700	1.900	4.400	0.000
219	80.810	212.870	123.530	163.770	75.560	72.967	188.824	62.781	137.906	126.900	1.700	1.900	3.200	1.500	0.000
220	25.700	38.010	0.170	-1.540	20.870	12.372	21.446	51.867	-26.798	12.900	0.500	-0.100	3.800	3.400	0.000
221	57.150	16.160	1.130	49.370	78.110	5.914	39.564	42.036	91.621	52.500	4.800	4.900	3.000	1.900	0.000
222	12.900	3.120	-19.230	26.870	-3.110	3.222	-2.408	15.823	-18.023	5.300	2.600	2.100	2.500	2.700	0.000
223	-6.370	2.070	-1.780	7.800	6.900	-5.422	6.539	-16.079	6.756	-5.700	3.500	3.700	1.800	2.400	0.000
224	24.660	26.030	-7.260	11.450	42.160	1.625	-2.139	25.721	-37.477	20.300	2.200	2.700	2.200	0.500	0.000
225	22.490	14.670	6.940	32.430	8.180	18.695	81.252	24.654	40.327	26.900	3.600	2.900	-1.300	7.700	-3.448
226	5.330	-0.280	21.420	5.080	7.180	-12.954	29.354	3.896	-7.588	3.600	0.900	1.600	1.200	3.300	0.000
227	-2.550	14.050	-5.120	4.050	-0.770	1.315	-0.712	15.107	19.577	7.100	1.500	2.300	1.500	2.900	0.000
228	-6.230	-13.250	6.680	-8.610	-9.870	2.871	-4.027	-11.825	-25.730	1.300	3.900	7.300	6.300	6.800	0.000
229	-13.530	2.840	76.120	-11.950	17.970	1.943	13.078	5.725	43.311	6.300	2.200	2.300	2.200	3.100	0.000
230	38.750	8.870	-0.580	33.700	-3.320	6.881	0.371	20.561	12.491	14.400	0.200	0.900	0.600	4.300	0.000
231	80.110	-2.930	0.330	37.750	33.740	0.327	4.300	1.903	-2.460	7.800	1.200	1.900	-0.300	4.300	0.000
232	-16.170	1.500	9.530	10.060	2.260	3.587	12.830	0.400	0.400	-0.900	1.000	2.400	-0.400	3.100	0.000
233	-0.580	-7.430	5.720	4.560	12.820	3.059	-8.262	-1.067	-3.894	5.400	1.600	1.900	4.100	-1.600	0.000
234	18.300	-1.580	1.010	20.320	7.310	0.585	-7.212	-11.938	-8.721	-4.300	2.000	0.400	-1.000	6.000	0.000
235	-13.540	-4.850	-18.380	-6.030	-10.550	-7.874	-12.232	-22.188	-13.745	-3.300	1.300	1.300	11.400	5.700	0.000
236	17.720	-4.790	9.080	-12.260	1.730	2.785	-7.356	42.717	65.256	20.000	2.000	1.700	1.600	12.500	0.000
237	20.050	0.220	.	62.110	5.280	1.135	31.007	9.146	2.442						0.000